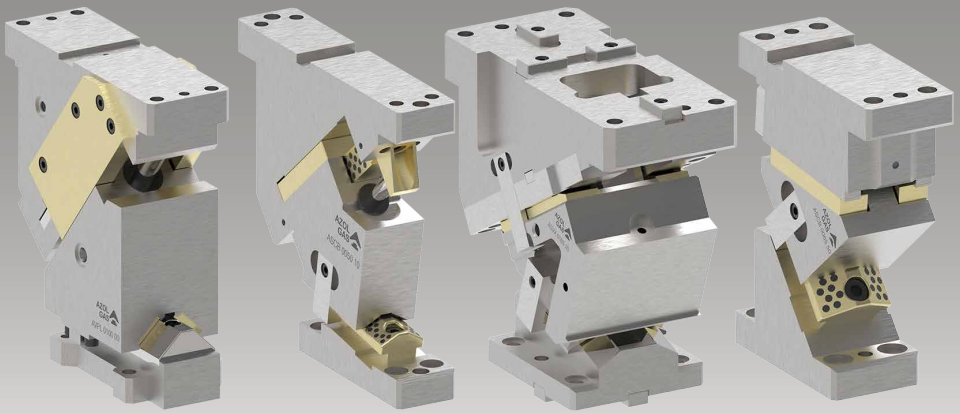
Landalucía, 7 - P.I. Júndiz 01015 Vitoria / Spain +34 945 290 010 azolgas@azolgas.com www.azolgas.com

CAM UNITS 2023

AZOL GAS



AERIAL CAMS & DIE MOUNTED CAMS

- Ideal for heavy duty piercing and flanging operations
- Try AV series superior performance and logevity
- High precision guiding allows off-centered forces
- Return force equipped with gas springs
- Low maintenance normalized wearing plates
- Mount face extensible on request

AZOLGAS WORLDWIDE



AZOL GAS

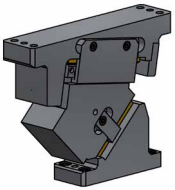
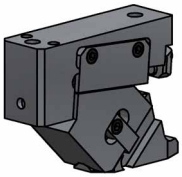
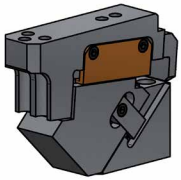
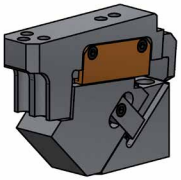
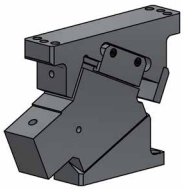
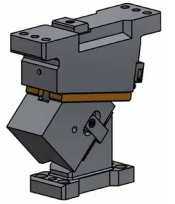
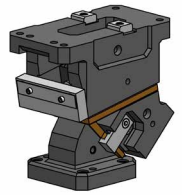
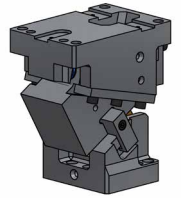
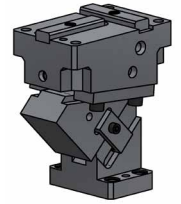
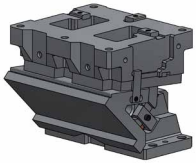
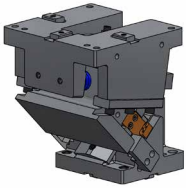
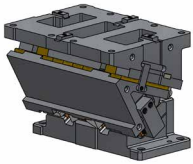
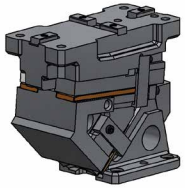
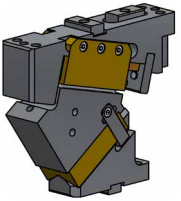
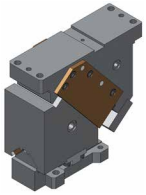
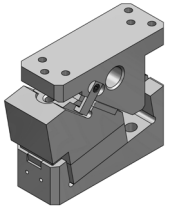
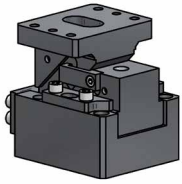
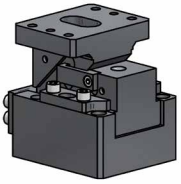
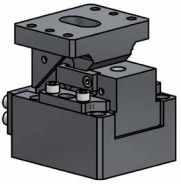
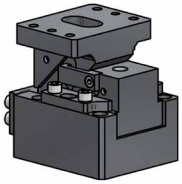
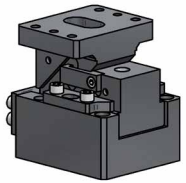
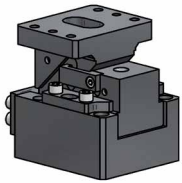
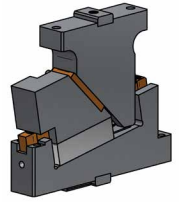
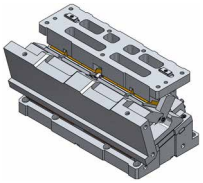
AZOLGAS WORLDWIDE



CAM UNITS

AZOL GAS

SUMMARY

01 - ATFA 	02 - ASDR 	03 - ACDS 	04 - ACEN 	05 - ANCG 
06 - ASCB 	07 - ASFK 	08 - AUKE 	09 - ABKL 	10- AWBC 
11 - ASGN 	12 - ASLT 	13 - ANRP 	14 - ASVX 	15 - AVPS - AVPL 
16 - LSDH 	17 - LKCM 	18 - LKBM 	19 - LKCV 	20 - LKBV 
21 - LKCZ 	22 - LKBZ 	23 - LSPJ 	24 - LSLD 	

CAM UNITS

Summary

AZOL GAS

CAM UNITS

Summary

	MODEL / WIDTH		0046	0050	0052	0058	0060	0065	0070	0072	0080	0085	0090	0100	0110	0140	0150	0165	0200	0250	0300	0350	0400	0500	0600	0700	0800	0900	1000	I - XXXVI
01	ATFA	AERIAL CAMS			0052			0065																						1 - 74
02	ASDR	AERIAL CAMS			0052																									75 - 100
03	ACDS	AERIAL CAMS			0052																									101 - 130
04	ACEN	AERIAL CAMS			0052																									101 - 130
05	ANCG	AERIAL CAMS						0065																						131 - 146
06	ASCB	AERIAL CAMS		0050				0065			0080						0150													147 - 282
07	ASFK	AERIAL CAMS									0080						0150													215 - 282
08	AUKE	AERIAL CAMS						0065						0100					0200											283 - 380
09	ABKL	AERIAL CAMS						0065						0100					0200											381 - 478
10	AWBC	AERIAL CAMS																	0200		0300		0400	0500	0600					479 - 620
11	ASGN	AERIAL CAMS		0050				0065			0080						0150		0200		0300									621 - 798
12	ASLT	AERIAL CAMS																						0500	0600	0700	0800	0900	1000	799 - 884
13	ANRP	AERIAL CAMS							0070		0080							0165	0200		0300		0400							885- 1026
14	ASVX	AERIAL CAMS					0060					0085			0110			0165	0200	0250	0300	0350	0400							1027-1336
15	AVP_	AERIAL CAMS	0046			0058				0072				0100		0140			0200		0300		0400							1337-1388
16	LSDH	DIE MOUNTED CAMS			0052								0090																	1389-1412
17	LKCM	DIE MOUNTED CAMS			0052			0065						0100			0150		0200	0250	0300		0400	0500	0600					1413-1468
18	LKBM	DIE MOUNTED CAMS			0052			0065						0100			0150		0200	0250	0300		0400							1401-1463
19	LKCV	DIE MOUNTED CAMS						0065						0100			0150													1469-1500
20	LKBV	DIE MOUNTED CAMS						0065						0100			0150													1469-1500
21	LKCZ	DIE MOUNTED CAMS						0065						0100			0150													1501-1532
22	LKBZ	DIE MOUNTED CAMS						0065						0100			0150													1501-1532
23	LSPJ	DIE MOUNTED CAMS		0050							0080						0150		0200		0300									1532-1616
24	LSLD	DIE MOUNTED CAMS																						0500	0600	0700	0800	0900	1000	1617-1654

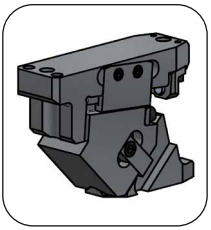
CAM UNITS

Summary

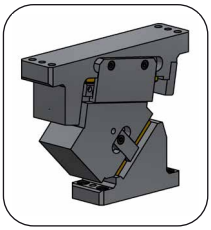
AZOL GAS

01 - ATFA

P. 1 - 74



ATFA 0052



ATFA 0065

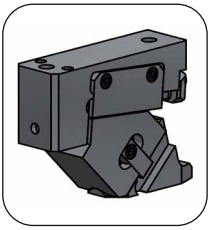
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)
65	68.7 (7.0)	137.3 (14.0)

DESCRIPTION

- Aerial cam.
- (ATFA 52) Angles from 0° to 80° with increments of 5°.
- (ATFA 65) Angles from 0° to 75° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Compact design.

02 - ASDR

P. 75 - 100



ASDR 0052

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)

DESCRIPTION

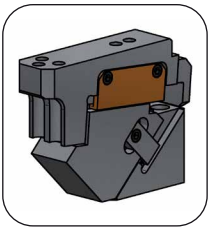
- Aerial cam.
- Angles from 0° to 50° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Compact design.
- Longer stroke than ATFA 52.

AZOL GAS

CAM UNITS
Summary

03 - ACDS

P. 101 - 130



ACDS 0052

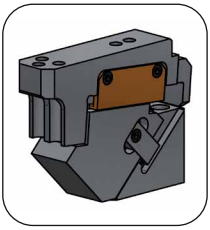
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	29.4 (3.0)	58.8 (6.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- High return force for estraction.
- Extensible mount length.

04 - ACEN

P. 101 - 130



ACEN 0052

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	29.4 (3.0)	58.8 (6.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Lower return force than “ACDS”.
- Higher durability than “ACDS”.

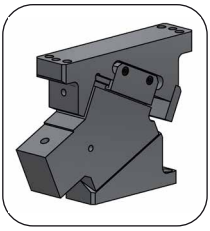
CAM UNITS

Summary

AZOL GAS

05 - ANCG

P. 131 - 146



ANCG 0065

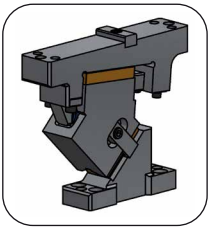
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	14.7 (1.5)	29.4 (3.0)

DESCRIPTION

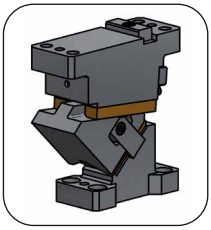
- Aerial cam.
- Angles from 0° to 25° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Extensible mount length.

06 - ASCB

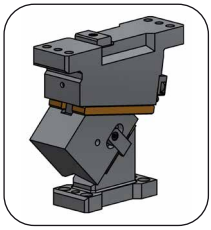
P. 147 - 282



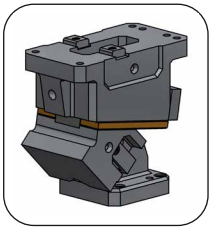
ASCB 0050



ASCB 0065



ASCB 0080



ASCB 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
50	19.6 (2.0)	39.2 (4.0)
65	19.6 (2.0)	39.2 (4.0)
80	39.2 (4.0)	78.4 (8.0)
150	88.2 (9.0)	132 (13.5)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Same width for cam and mount.
- Extensible mount length.
- Slider easy desassembly from the rear.

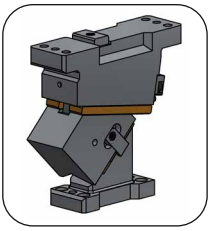
AZOL GAS

CAM UNITS

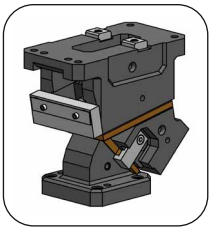
Summary

07 - ASFK

P. 215 - 282



ASFK 0080



ASFK 0150

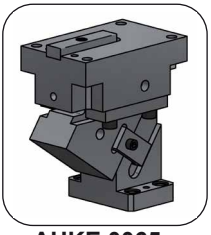
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
80	54.9 (5.6)	109.8 (11.2)
150	123.5 (12.6)	185.2 (18.9)

DESCRIPTION

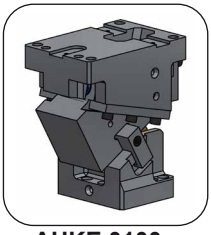
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Same width for cam and mount.
- Higher return force than ASCB.
- Slider front prolongable.
- Slider easy desassembly from the rear.

08 - AUKE

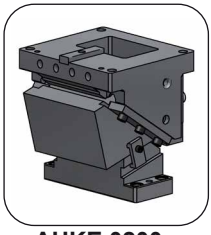
P. 283 - 380



AUKE 0065



AUKE 0100



AUKE 0200

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 - 29.4 (2.0 - 3.0)	39.2 - 58.8 (4.0 - 6.0)
100	44.1 - 49.0 (4.5 - 5.0)	88.2 - 98.0 (9.0 - 10.0)
200	98.1 - 117.7 (10.0 - 12.0)	196.2 - 235.4 (20.0 - 24.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- Rigid flat guides system.
- Slider easy desassembly from the rear.

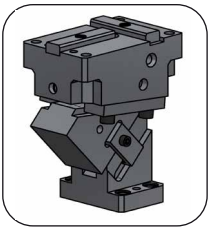
CAM UNITS

Summary

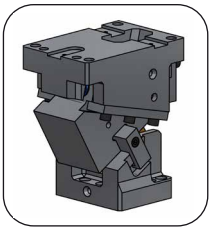
AZOL GAS

09 - ABKL

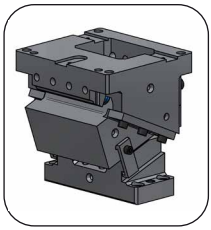
P. 381 - 478



ABKL 0065



ABKL 0100



ABKL 0200

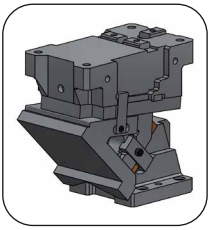
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	44.1 (4.5)	88.2 (9.0)
200	93.1 (9.5)	186.2 (19.0)

DESCRIPTION

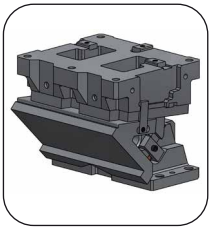
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

10- AWBC

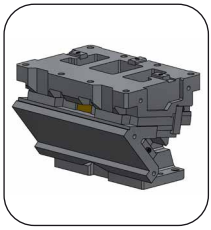
P. 479 - 620



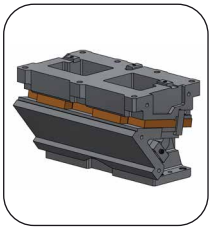
AWBC 0200 / 0300



AWBC 0400



AWBC 0500



AWBC 0600

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
200	117.6 (12.0)	235.2 (24.0)
300	196.0 (20.0)	392.0 (40.0)
400	245.0 (25.0)	490.0 (50.0)
500	313.6 (32.0)	627.2 (64.0)
600	392.0 (40.0)	784.0 (80.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

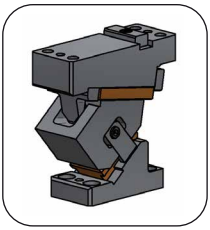
AZOL GAS

CAM UNITS

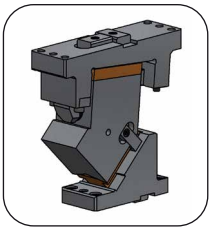
Summary

11 - ASGN

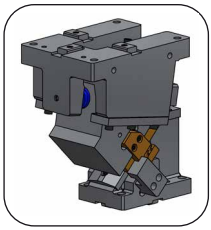
P. 621 - 798



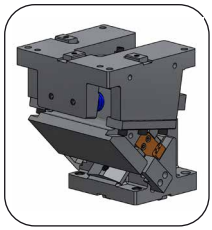
ASGN 0050 / 0065



ASGN 0080



ASGN 0150



ASGN 0200 / 0300

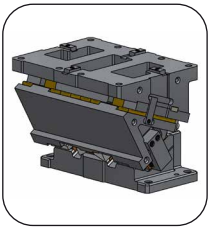
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
50	29.4 (3.0)	58.6 (6.0)
65	29.4 (3.0)	58.6 (6.0)
80	49 (5.0)	98.0 (10.0)
150	147.0 (15.0)	294.0 (30.0)
200	147 (15.0)	294.0 (30.0)
300	294.0 (30.0)	588.0 (60.0)

DESCRIPTION

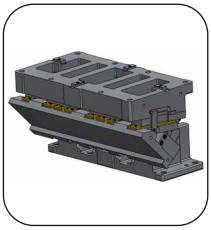
- Aerial cam.
- Angles from 0° to 65° with increments of 5°. (0° to 75° for ASGN 50) (0° to 60° for ASGN 65)
- Rigid flat guides system.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear. (Except ASGN 0050 y 0065)

12 - ASLT

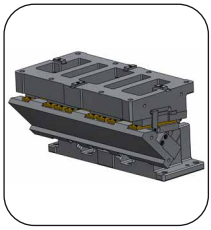
P. 799 - 884



ASLT 0500 / 0600



ASLT 0700 / 0800



ASLT 0900 / 1000



MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
500 600	137.3 (14.0)
700 800	470.4 (48.0)
900 1000	627.2 (64.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.
- Gas spring equiped unit.

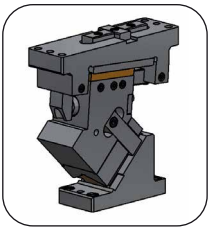
CAM UNITS

Summary

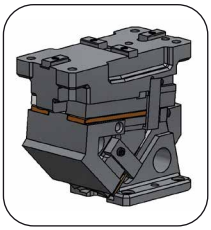
AZOL GAS

13 - ANRP

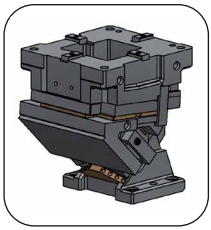
P. 885 - 1026



ANRP 0070 / 0080



ANRP 0165 / 0200



ANRP 0300 / 0400



MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
70	98.1 (10.0)
80	166.7 (17.0)
165	294.2 (30.0)
200	353.0 (36.0)
300 400	451.1 (46.0)

DESCRIPTION

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- Rigid flat guides system.
- “V” shaped sliding for auto-centered.
- Optional gas spring
- According to NAAMS.

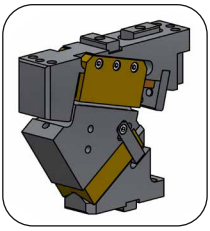
AZOL GAS

CAM UNITS

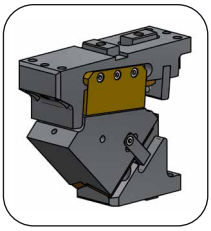
Summary

14 - ASVX

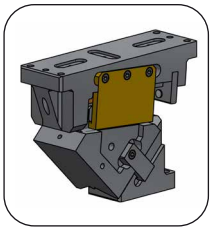
P. 1027 - 1336



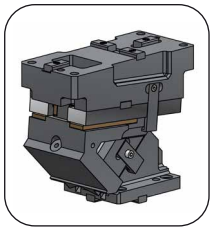
ASVX 0060



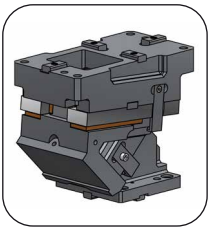
ASVX 0085



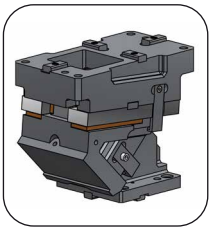
ASVX 0110



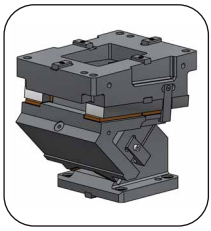
ASVX 0165



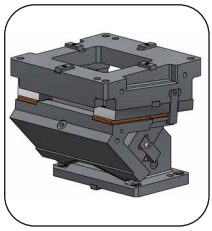
ASVX 0200



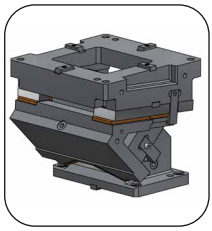
ASVX 0250



ASVX 0300



ASVX 0350



ASVX 0400

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
60	75.0 (7.6)
85	100.0 (10.2)
110	150.0 (15.3)
165	171.0 (17.4)
200	218.0 (22.2)
300	364.0 (37.1)
350	405.0 (41.1)
400	450.0 (45.9)



DESCRIPTION

- Aerial cam.
- Angles from 0° to 75° with increments of 5°.
- Rigid flat guides system.
- “V” shaped sliding for auto-centered.
- Gas spring equiped unit.
- According to VDI-BAK.

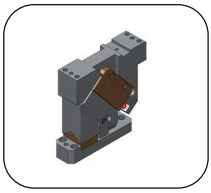
CAM UNITS

Summary

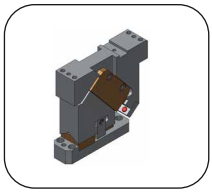
AZOL GAS

15 - AVPS - AVPL

P. 1337 - 1388

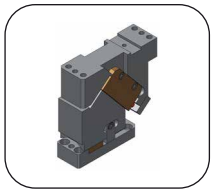


AVPS 0046

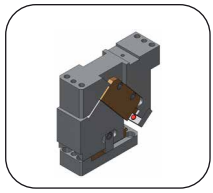


AVPL 0046

AVP_ 0046

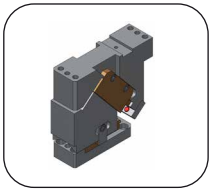


AVPS 0058

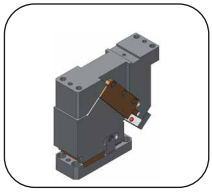


AVPL 0058

AVP_ 0058

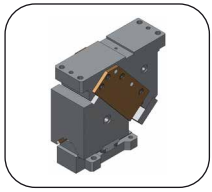


AVPS 0072

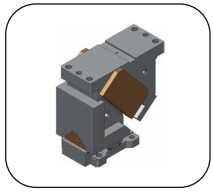


AVPL 0072

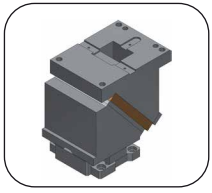
AVP_ 0072



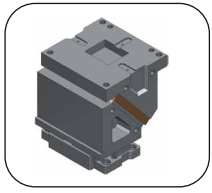
AVPL 0100



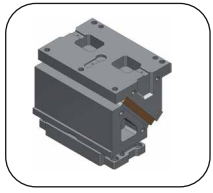
AVPL 0140



AVPL 0200



AVPL 0300



AVPL 0400

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
46	36.8 (3.7)	49.0 (5.0)
58	51.5 (5.2)	68.6 (7.0)
72	67.7 (6.9)	90.2 (9.2)
100	116.1 (11.8)	139.2 (14.2)
140	159.3 (16.3)	191.1 (19.5)
200	164.6 (16.8)	230.5 (23.5)
300	274.4 (28.0)	356.7 (36.4)
400	343.0 (35.0)	411.6 (42.0)



DESCRIPTION

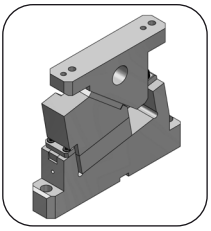
- Aerial cam.
- Angles from 0° to 80° with increments of 5°.
- Rigid flat guides system.
- “V” shaped sliding for auto-centered.
- Gas spring equiped unit.

AZOL GAS

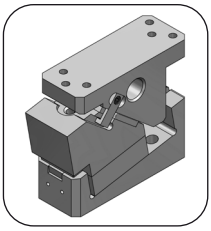
CAM UNITS
Summary

16 - LSDH

P. 1389 - 1410



LSDH 0052



LSDH 0090

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	19.6 (2.0)	39.2 (4.0)
90	38.2 (3.9)	76.4 (7.8)

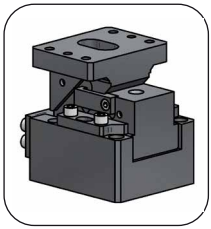
DESCRIPTION

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°. (0° to 15° for LSDH 90)
- Extensible mount length (only for LSDH 90).

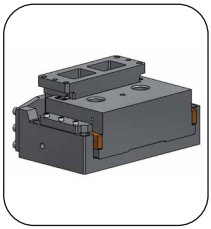
17 - LKCM

P. 1411 - 1466

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)
65	19.6 (2.0)	39.2 (4.0)
100	29.4 (3.0)	58.8 (6.0)
150	58.8 (6.0)	88.2 (9.0)
200	78.4 (8.0)	117.6 (12.0)
250	98.0 (10.0)	147.0 (15.0)
300	117.6 (12.0)	176.4 (18.0)
400	137.2 (14.0)	205.8 (21.0)
500	137.2 (14.0)	205.8 (21.0)
600	137.2 (14.0)	205.8 (21.0)



LKCM 0052
LKCM 0065
LKCM 0100
LKCM 0150
LKCM 0200
LKCM 0250
LKCM 0300



LKCM 0400
LKCM 0500
LKCM 0600

DESCRIPTION

- Die mounted cam.
- 0° Horizontal cam.

CAM UNITS

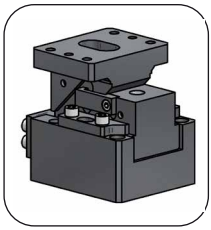
Summary

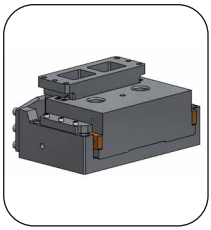
AZOL GAS

18 - LKBM

P. 1411 - 1462

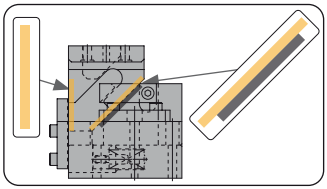
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
52	14.7 (1.5)	29.4 (3.0)
65	19.6 (2.0)	39.2 (4.0)
100	29.4 (3.0)	58.8 (6.0)
150	58.8 (6.0)	88.2 (9.0)
200	78.4 (8.0)	117.6 (12.0)
250	98.0 (10.0)	147.0 (15.0)
300	117.6 (12.0)	176.4 (18.0)
400	137.2 (14.0)	205.8 (21.0)





LKBM 0052
LKBM 0065
LKBM 0100
LKBM 0150
LKBM 0200
LKBM 0250
LKBM 0300

LKBM 0400

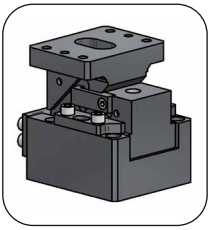


DESCRIPTION

- Die mounted cam.
- 0° Horizontal cam.
- Sliding plates in driver.

19 - LKCV

P. 1467 - 1498



LKCV 0065
LKCV 0100
LKCV 0150

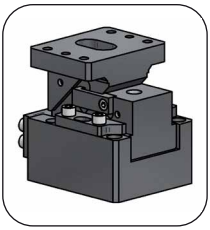
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

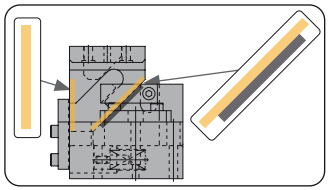
- Die mounted cam.
- Angles from 5° to 20° with icrements of 5°.
- 45mm Stroke.

20 - LKBV

P. 1467 - 1498



LKBV 0065
LKBV 0100
LKBV 0150



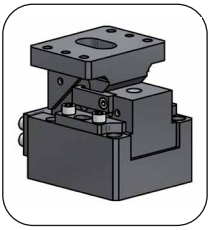
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

- Die mounted cam.
- Angles from 5° to 20° with icrements of 5°.
- 45mm Stroke.
- Sliding plates in driver.

21 - LKCZ

P. 1499 - 1530



LKCZ 0065
LKCZ 0100
LKCZ 0150

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 70mm Stroke.

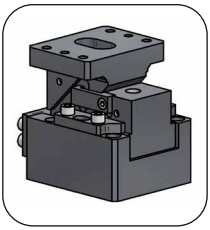
CAM UNITS

Summary

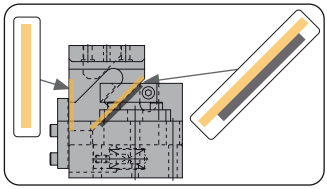
AZOL GAS

22 - LKBZ

P. 1499 - 1530



LKBZ 0065
LKBZ 0100
LKBZ 0150



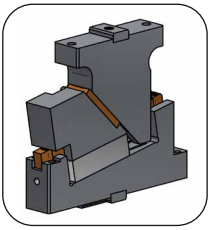
MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)	
	(1 Million Strokes)	(300.000 Strokes)
65	19.6 (2.0)	39.2 (4.0)
100	39.2 (4.0)	78.4 (8.0)
150	64.7 (6.6)	98.0 (10.0)

DESCRIPTION

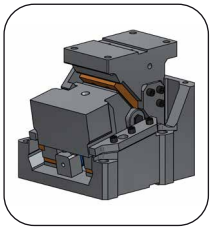
- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 70mm Stroke.
- Sliding plates in driver.

23 - LSPJ

P. 1531 - 1614



LSPJ 0050
LSPJ 0080
LSPJ 0150



LSPJ 0200
LSPJ 0300

MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
50	14.7.0 (1.5)
80	35.3 (3.6)
150	117.6 (12.0)
200	147.0 (15.0)
300	294.0 (30.0)

DESCRIPTION

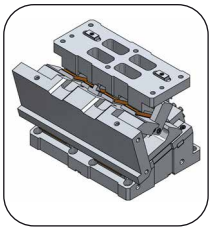
- Die mounted cam.
- Angles from 0° to 30° with increments of 5°.
- Rigid guides system.

AZOL GAS

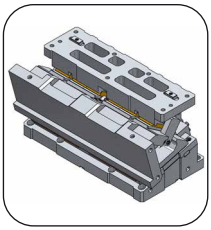
CAM UNITS
Summary

24 - LSLD

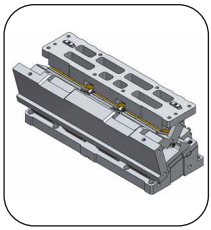
P. 1615 - 1652



LSLD 0500
LSLD 0600



LSLD 0700
LSLD 0800



LSLD 0900
LSLD 1000



MOUNT WIDTH (mm)	WORKING FORCE kN - (tons)
500 600	313.6 (32.0)
700 800	470.4 (48.0)
900 1000	627.2 (64.0)

DESCRIPTION

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°.
- Rigid guides system.
- Gas spring equiped unit.

CAM UNITS

Summary

AZOL GAS

APPLIED FORCE CALCULATION FOR HORIZONTAL CAMS

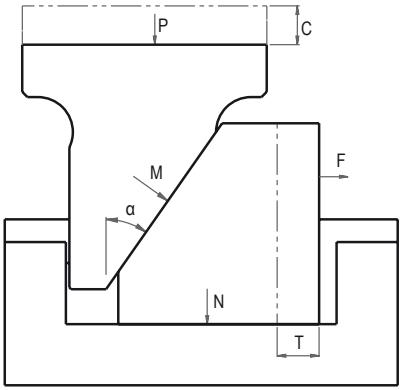
$$P = F \times \tan \alpha$$

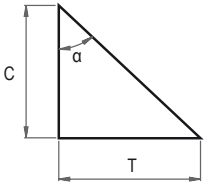
$$M = F \times \frac{1}{\cos \alpha} \qquad C = \frac{T}{\tan \alpha}$$

$$N = F \times \tan \alpha$$

α : Driver inclination angle.
F : Force Required for Working.
P : Press compression force.
M : Load applied to Cam Driver surface.
N : Load applied to Cam Slider surface.
T : Working stroke.
C : Press stroke.

F = Working force + Spring Return Force + Pad Force





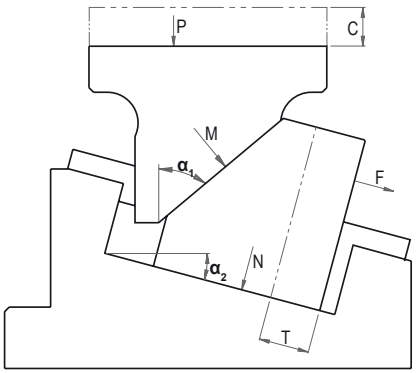
APPLIED FORCE CALCULATION FOR DIE MOUNTED CAMS

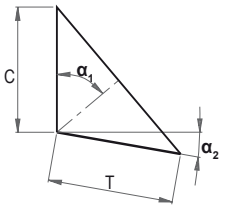
$$P = F \times \frac{\sin \alpha_1}{\cos (\alpha_1 - \alpha_2)} \qquad N = F \times \tan (\alpha_1 + \alpha_2)$$

$$M = F \times \frac{1}{\cos (\alpha_1 - \alpha_2)} \qquad C = T \times \frac{\cos (\alpha_1 - \alpha_2)}{\sin \alpha_1}$$

α_1 : Driver inclination angle.
α_2 : Slider useful inclination angle.
F : Force Required for Working.
P : Press compression force.
M : Load applied to Cam Driver surface.
N : Load applied to Cam Slider surface.
T : Working stroke.
C : Press stroke.

F = Working force + Spring Return Force + Pad Force





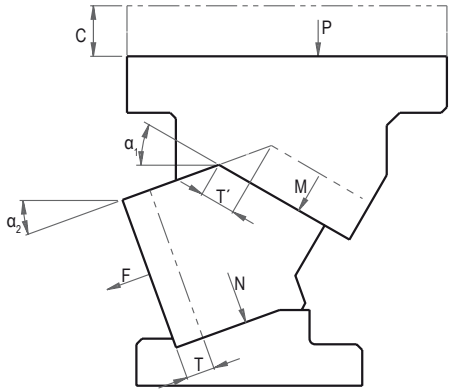
APPLIED FORCE CALCULATION FOR AERIAL CAMS

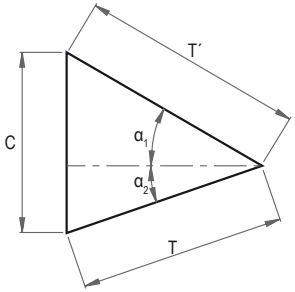
$$P = F \times \frac{\cos \alpha_1}{\sin (\alpha_1 + \alpha_2)} \qquad N = F \times \frac{1}{\tan (\alpha_1 + \alpha_2)} \qquad T' = T \times \frac{\cos \alpha_2}{\cos \alpha_1}$$

$$M = F \times \frac{1}{\sin (\alpha_1 + \alpha_2)} \qquad C = T \times \frac{\sin (\alpha_1 + \alpha_2)}{\cos \alpha_1}$$

α_1 : Driver inclination angle.
α_2 : Slider useful inclination angle.
F : Force Required for Working.
P : Press compression force.
M : Load applied to Cam Driver surface.
N : Load applied to Cam Slider surface.
T : Working stroke.
T´ : Spring stroke.
C : Press stroke.

F = Working force + Spring Return Force + Pad Force





CAM UNITS

Summary

AZOL GAS

AVAILABLE OPTIONS

Nº	MODEL	MOUNT WIDTH	MOUNT		KEY				PIN					GAS SPRING
			LM	WM	K	KT	KF	KU	P8	P10	P12	P13	P16	G
1	ATFA	52	✔											
		65												
2	ASDR	52	✔	✔										
3	ACDS	52	✔	✔							✔			
4	ACEN	52	✔	✔							✔			
5	ANCG	65	✔								✔			
6	ASCB	50	✔	✔	✔						✔			
		65	✔		✔									
		80	✔	✔	✔								✔	
		150			✔	✔							✔	
7	ASFK	80	✔	✔	✔								✔	
		150			✔	✔							✔	
8	AUKE	65			✔					✔	✔	✔		
		100			✔						✔	✔		
		200			✔						✔	✔	✔	
9	ABKL	65			✔									
		100			✔			✔						
		200			✔			✔						
10	AWBC	200			✔		✔						✔	✔
		300			✔		✔						✔	✔
		400			✔		✔						✔	✔
		500			✔		✔						✔	✔
		600			✔		✔						✔	✔
11	ASGN	50			✔			✔				✔		
		65			✔									
		80			✔			✔			✔			
		150			✔			✔				✔		
		200			✔			✔				✔		
		300			✔			✔						
12	ASLT	500-600												
		700-800												
		900-1000												
13	ANRP	70												✔
		80												✔
		165											✔	✔
		200											✔	✔
		300-400											✔	✔
14	ASVX	60			✔									
		85			✔									
		110			✔									
		165			✔									
		200			✔									
		250			✔									
		300			✔									
		350			✔									
		400			✔									

AZOL GAS

CAM UNITS
Summary

AVAILABLE OPTIONS

Nº	MODEL	MOUNT WIDTH	MOUNT		KEY				PIN					GAS SPRING
			LM	WM	K	KT	KF	KU	P8	P10	P12	P13	P16	G
15	AVP_	S 0046	✔		✔									
		L 0046	✔		✔									
		S 0058	✔	✔	✔									
		L 0058	✔	✔	✔									
		S 0072	✔	✔	✔									
		L 0072	✔	✔	✔									
		L 0100			✔									
		L 0140			✔									
		L 0200			✔									
		L 0300			✔									
		L 0400			✔									
16	LSDH	52	✔	✔	✔									
		90		✔	✔									
17 18	LKCM LKBM	52							✔					
		65								✔				
		100									✔	✔		
		150											✔	
		200											✔	
		250											✔	
		300											✔	
		400-500-600			✔								✔	
19 20	LKCV LKBV	65								✔				
		100									✔	✔		
		150											✔	
21 22	LKCZ LKBZ	65								✔				
		100									✔	✔		
		150											✔	
23	LSPJ	50			✔			✔						
		80			✔			✔				✔		
		150			✔			✔					✔	
		200			✔			✔					✔	
		300			✔			✔					✔	
24	LSLD	500-600												
		700-800												
		900-1000												

CAM UNITS

AZOL GAS

Summary

GENERAL DIMENSIONS BY GROUP

Nº	MODEL	MOUNT WIDTH (mm)	MOUNT WEIGHT (mm)	ANGLE (°)	STROKE (mm)	WORKING FORCE N - (kgf)
1	ATFA	52	60 - 70	0-80	19.3 - 60.0	980.0 - 981.2 (99.9 - 100.1)
		65	90	0-75	22.5 - 69.5	5257.8 - 5988.5 (536.1 - 610.7)
2	ASDR	52	60	0-50	30.2 - 60.7	901.6 (91.9)
3	ACDS	52	75	0-60	30.2 - 73.1	3110.8 (317.2)
4	ACEN					
5	ANCG	65	80	0-25	30.2 - 35.0	2115.0 (215.7)
6	ASCB	50	65 - 75	0-70	30.2 - 58.3	981.0 - 982.8 (100.0 - 100.1)
		65	65	0-70	15.0 - 51.1	1186.2 - 1220.1 (121.0 - 124.5)
		80	86	0-70	32.1 - 98.5	1461.2 - 1623.6 (149.1 - 165.7)
		150	85	0-70	32.1 - 98.5	4607.5 (470.2)
7	ASFK	80	86	0-70	32.1 - 98.5	3250.0 (331.4)
		150	85	0-70	32.1 - 98.5	9569.4 (975.8)
8	AUKE	65	80 - 110	0-70	26.9 - 58.5	890.7 - 1140.5 (902.8 - 116.3)
		100	100 - 140	0-70	28.3 - 60.0	2741.5 - 3070.2 (279.6 - 313.3)
		200	100 - 140	0-70	28.3 - 60.0	5483.0 - 6140.4 (559.1 - 321.1)
9	ABKL	65	80 - 110	0-70	26.9 - 58.5	890.7 - 1140.5 (90.8 - 116.3)
		100	100 - 140	0-70	28.3 - 70.9	2740.0 - 3074.4 (279.5 - 313.3)
		200	100 - 140	0-70	28.3 - 70.9	5117.0 - 5639.4 (521.8 - 575.1)
10	AWBC	200	180	0-60	38.6 - 120.0	4903.2 (499.7)
		300	180	0-60	38.6 - 120.0	9806.4 (999.4)
		400	180	0-60	38.6 - 120.0	9806.4 (999.4)
		500	180	0-60	38.6 - 120.0	14709.6 (1499.0)
		600	180	0-60	38.6 - 120.0	19612.8 (1998.7)
11	ASGN	50	55 - 65	0-75	15.0 - 52.2	999.4 - 1167.4 (101.9 - 118.8)
		65	56	0-60	15.0 - 32.0	809.6 - 834.9 (82.6 - 85.1)
		80	90	0-65	30.2 - 70.9	1842.4 - 1914.0 (187.6 - 194.9)
		150	120	0-65	28.6 - 116.5	7022.4 (715.9)
		200	120	0-65	28.6 - 116.5	7022.4 (715.9)
		300	160	0-65	28.6 - 116.5	14044.8 (1431.8)
12	ASLT	500	180	0-60	38.6 - 120.0	18682.0 (1906.3)
		600	180	0-60	38.6 - 120.0	18682.0 (1906.3)
		700	180	0-60	38.6 - 120.0	28023.0 (2859.5)
		800	180	0-60	38.6 - 120.0	28023.0 (2859.5)
		900	180	0-60	38.6 - 120.0	37364.0 (3812.7)
		1000	180	0-60	38.6 - 120.0	37364.0 (3812.7)
12	ANRP	70	75	0-60	19.3 - 50.0	578.2 - 676.2 (59.0 - 69.0)
		80	75	0-60	32.1 - 80.0	993.6 - 1223.6 (101.3 - 124.8)
		165	120 - 125	0-60	32.1 - 100.0	2694.0 (274.7)
		200	120	0-60	32.1 - 100.0	4494.0 (458.3)
		300	160	0-60	38.6 - 102.0	8015.4 - 9198.0 (817.9 - 937.9)
		400	160	0-60	38.6 - 102.0	8015.4 - 9198.0 (817.9 - 937.9)
13	ASVX	60	100	0 - 75	19.3 - 77.3	2580.9 - 2583.7 (263.3 - 263.6)
		85	110	0 - 75	19.3 - 77.3	5170.4 - 5205.5 (527.5 - 531.1)
		110	140 - 145	0 - 75	32.1 - 108.2	5193.0 - 5501.2 (529.9 - 561.3)
		165	115	0 - 75	32.1 - 77.8	8734.9 - 10766.2 (891.3 - 1098.5)
		200	115	0 - 75	32.1 - 77.8	10766.2 (1098.5)
		250	155	0 - 75	32.1 - 77.8	18578.2 - 21532.4 (1895.2 - 2195.6)

AZOL GAS

CAM UNITS

Summary

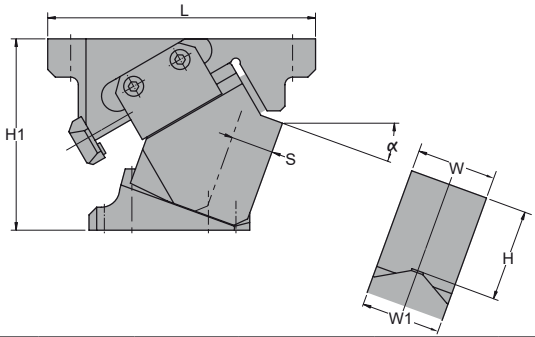
GENERAL DIMENSIONS BY GROUP

Nº	MODEL	MOUNT WIDTH (mm)	MOUNT WEIGHT (mm)	ANGLE (°)	STROKE (mm)	WORKING FORCE N - (kgf)
13	ASVX	300	155	0 - 75	38.6 - 120.0	27599.7 - 31587.3 (2816.1 - 3222.9)
		350	155	0 - 75	38.6 - 96.6	23356.0 - 27263.8 (2381.6 - 2780.1)
		400	155	0 - 75	38.6 - 120	27599.7 - 31587.3 (2816.1 - 3222.9)
14	AVP_	S 0046	60	0 - 80	20.6 - 57.6	24.5 (2.5)
		L 0046	60	0 - 50	28.9 - 62.2	24.5 (2.5)
		S 0058	70	0 - 80	21.2 - 63.3	34.3 (3.5)
		L 0058	70	0 - 50	28.9 - 62.2	34.3 (3.5)
		S 0072	100	0 - 80	22.5 - 74.9	45.1 (4.6)
		L 0072	100	0 - 50	35.4 - 77.8	45.1 (4.6)
		L 0100	137	0 - 70	35.4 - 85.6	77.4 (7.9)
		L 0140	153	0 - 70	35.4 - 85.6	127.4 (13.0)
		L 0200	150 - 160	0 - 70	35.4 - 119.9	164.6 (16.8)
		L 0300	180	0 - 70	35.4 - 119.9	274. (28.0)
		L 0400	180	0 - 70	35.4 - 119.9	343.0 (35 .0)
14	LSDH	52	75	0 - 20	55.0	606.7 (62.1)
		90	82	0 - 15	55.0	1213.4 (124.2)
15 16	LKCM LKBM	52	65	0	25.0 - 60.0	595.3 - 614.7 (60.7 - 62.8)
		65	70	0	40.0 - 60.0	752.6 - 763.6 (76.8 - 77.4)
		100	100	0	40.0 - 80.0	1130.9 - 1302.7 (115.2 - 132.5)
		150	100	0	40.0 - 60.0	1841.3 - 1867.3 (188.2 - 189.8)
		200	110	0	40.0 - 60.0	2761.9 - 2801.0 (282.2 - 284.7)
		250	130	0	40.0 - 60.0	3610.1 - 3659.4 (368.6 - 372.3)
		300	130	0	40.0 - 60.0	3610.1 - 3659.4 (368.6 - 372.3)
		400	150	0	60.0	9332.2 (952.3)
15	LKCM	500	150	0	60.0	9332.2 (952.3)
		600	150	0	60.0	9332.2 (952.3)
17 18	LKCV LKBV	65	70	5 - 20	45.0	741.0 (75.5)
		100	90	5 - 20	45.0	1111.6 (113.3)
		150	100	5 - 20	45.0	1810.1 (184.1)
19 20	LKCZ LKBZ	65	70	5 - 20	70.0	974.4 (99.2)
		100	90	5 - 20	70.0	1137.4 (116.6)
		150	100	5 - 20	70.0	1841.3 (188.2)
21	LSPJ	50	68	0 - 30	60.0	591.5 (60.2)
		80	88	0 - 30	60.0	1339.6 (136.0)
		150	120	0 - 30	60.0	3746.8 (381.5)
		200	120	0 - 30	60.0	3746.8 (381.5)
		300	120	0 - 30	60.0	7493.6 (763.0)
22	LSLD	500	180	0 - 20	60.0	19600.0 (763.0)
		600	180	0 - 20	60.0	19600.0 (763.0)
		700	180	0 - 20	60.0	19600.0 (763.0)
		800	180	0 - 20	60.0	19600.0 (763.0)
		900	180	0 - 20	60.0	39200.0 (3997.3)
		1000	180	0 - 20	60.0	39200.0 (3997.3)

Summary

CAM UNITS

AZOL GAS



Approximate dimensions and values, check specific catalog sheet measures of each cam.

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
ATFA	52	60	00	19.3	14.7 (1.5)	29.4 (3.0)	52	125	175	980.0 (99.9)
			05	21.3						
			10	23.3						
			15	25.4						
			20	27.6						
			25	30.0						
			30	32.6						
			35	35.4						
			40	38.6						
			45	42.3					179	
			50	46.7					184	
			55	52.3					185	
			60	60.0					184	
			65	47.3					220	981.0 (100.0)
			70	58.5					215	
		70	75	46.3				150	205	981.2 (100.1)
			80	57.5						
	65	90	00	22.5	68.7 (7.0)	137.3 (14.0)	65	230	275	5988.5 (610.7)
			05	22.6						
			10	27.2						
			15	27.8						
			20	32.3						
			25	33.4						
			30	38.0					290	
			35	40.2						
			40	45.0						
			45	48.7						
			50	54.5						
			55	61.0						
			60	70.0					300	
			65	68.5					335	5936.3(605.3)
			70	67.2						5862.7(597.8)
			75	69.5						5257.8(536.1)
ASDR	52	60	00	30.2	14.7 (1.5)	29.4 (3.0)	52	135	185	901.6 (91.9)
			05	31.9						
			10	35.0						

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASDR	52	60	15	38.2	14.7 (1.5)	29.4 (3.0)	52	135	185	901.6 (91.9)
			20	41.5						
			25	45.0						
			30	48.8						
			35	53.1						
			40	57.9						
			45	54.9						
			50	60.7					192	
ACDS	52	75	00	30.2	29.4 (3.0)	58.8 (6.0)	52	160	196.5	3110.8 (317.2)
			05	33.4					199.4	
			10	36.6					206.5	
			15	39.9					210.5	
			20	43.3					212.1	
			25	47.0					213.7	
			30	51.0					215.4	
			35	55.4					216.0	
			40	60.4					212.3	
			45	66.2					213.6	
			50	73.1					205.0	
			55	64.5					215.0	
			60	54.0					200.0	
ACEN	52	75	00	30.2	29.4 (3.0)	58.8 (6.0)	52	160	196.5	1425.5 (145.5)
			05	33.4					199.4	
			10	36.6					206.5	
			15	39.9					210.5	
			20	43.3					212.1	
			25	47.0					213.7	
			30	51.0					215.4	
			35	55.4					216.0	
			40	60.4					212.3	
			45	66.2					213.6	
			50	73.1					205.0	
			55	64.5					215.0	
			60	54.0					200.0	
ANCG	65	80	00	30.2	----	14.7 (1.5)	65	240	335.0	2115.0 (215.7)
			05	31.9					338.7	
			10	35.0					341.7	
			15	31.4					339.1	
			20	32.3					335.7	
			25	35.0					331.6	
ASCB	50	75	00	30.2	19.6 (2.0)	39.2 (4.0)	50	200	257	981.0 (100.0)
			05	30.5					250	
			10	30.3					240	982.8 (100.1)
			15	30.5						
			20	30.4						
			25	30.0						981.0 (100.0)
			30	32.6						
			35	35.4						

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASCB	50	75	40	38.6	19.6 (2.0)	39.2 (4.0)	50	200	240	981.0 (100.0)
			45	42.3						
			50	46.7						
		65	55	52.1						
			60	59.1					255	
		75	65	58.3					272	
			70	57.6					278	981.2(100.1)
	65	65	00	15.0	19.6 (2.0)	39.2 (4.0)	65	180	190	1186.2 (121.0)
			05	15.1					185	
			10	15.2						1220.1 (124.5)
			15	15.5					180	
			20	16.5					176.6	
			25	17.1					173.0	
			30	18.5					177.8	
			35	19.6					173.3	
			40	21.5					170.8	
			45	23.3					170	
			50	26.5				190	175	
			55	29.7					180	
			60	35.0				210	190	
			65	41.4					195	
			70	51.1					202	
	80	86	00	32.1	39.2 (4.0)	78.4 (8.0)	80	270	270	1623.6 (165.7)
			05	38.4					273.0	
			10	38.9					280.0	
			15	39.7					286.0	
			20	46.1					285.9	
			25	47.8					289.8	
			30	54.3					282.6	
			35	57.4					284.3	
			40	64.3					274.8	
			45	69.6					274.2	
			50	77.8					270	
			55	87.2						
			60	98.5						
			65	81.6					275	1461.2(149.1)
			70	86.4					280	1623.2(165.6)
	150	85	00	32.1	88.2 (9.0)	132.3 (13.5)	150	270	280	4607.5 (470.2)
			05	32.3					288.3	
			10	38.9					285.6	
			15	39.7					291.8	
			20	46.1					287	
			25	47.8					291.1	
			30	54.3					284	
			35	57.4					285.7	
			40	64.3					280	
			45	69.6						
			50	77.8						

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASCB	150	85	55	87.2	88.2 (9.0)	132.3 (13.5)	150	270	280	4607.5 (470.2)
			60	98.5						
			65	93.2						
			70	86.4					285	
ASFK	80	86	00	32.1	54.9 (5.6)	109.8 (11.2)	80	270	270	3250.0 (331.4)
			05	38.4					273	
			10	38.9					280	
			15	39.7					286	
			20	46.1					285.9	
			25	47.8					289.8	
			30	54.3					282.6	
			35	57.4					284.3	
			40	64.3					274.8	
			45	69.6					274.2	
			50	77.8					270	
			55	87.2						
			60	98.5						
			65	81.6					275	
			70	86.4					280	
	150	85	00	32.1	123.5 (12.6)	185.2 (18.9)	150	270	280	9569.4 (975.8)
			05	32.3					288.3	
			10	38.9					285.6	
			15	39.7					291.8	
			20	46.1					287	
			25	47.8					291.1	
			30	54.3					284	
			35	57.4					285.7	
			40	64.3					280	
			45	69.6						
			50	77.8						
			55	87.2						
			60	98.5						
			65	93.2						
			70	86.4					285	
AUKE	65	80	00	26.9	19.6 (2.0)	39.2 (4.0)	115	210	210	1069.2(109.0)
		90	05	27.0					217.1	1140.5 (116.3)
		80	10	31.6					220.8	
		90	15	32.2					227.8	
		80	20	33.8					222.1	
		90	25	35.0					228.8	
		80	30	33.5	23.5 (2.4)	47.0 (4.8)			217.7	
		90	35	35.4					223.8	
		80	40	42.9					212.8	
		90	45	46.5					218.2	
			50	54.5	29.4 (3.0)	58.8 (6.0)			214	
		100	55	43.6						1039.2 (106.0)
			60	50.0						
		110	65	47.3						890.7(90.8)

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
AUKE	65	110	70	58.5	29.4(3.0)	58.8(6.0)	115	210	214	890.7(90.8)
	100	100	00	28.3	44.1 (4.5)	88.2 (9.0)	160	280	273	2819.7(287.5)
		140	05	28.4						3070.2 (313.3)
		100	10	33.3						
		140	15	33.9					287.4	
		100	20	30.9					274	2982.5 (304.1)
		140	25	32.0					287.3	
		120	30	33.5					273	
		140	35	35.4					285.4	2807.0(286.2)
		120	40	39.0					273	
		140	45	42.3					280.5	
			50	46.7	49.0 (5.0)	98.0 (10.0)			272	
			55	52.3						
			60	60.0						
			65	47.3						2741.5 (279.6)
			70	58.5						
	200	100	00	28.3	98.1 (10.0)	196.2 (20.0)	260	280	273	5639.4(575.1)
		130	05	28.4						6140.4 (621.1)
		100	10	33.3						
		130	15	33.9					287.4	
		100	20	30.9					274	5965.0 (608.3)
		130	25	32.0					287.3	
		120	30	33.5					273	
		140	35	35.4					285.4	5614.1 (572.5)
		120	40	39.0					273	
		140	45	42.3					280.5	
			50	46.7	117.7 (12.0)	235.4 (24.0)			272	
			55	52.3						
			60	60.0						
			65	47.3						5483.0 (559.1)
			70	58.5						
ABKL	65	80	00	26.9	19.6 (2.0)	39.2 (4.0)	115	210	209.5	1069.2(109.0)
		90	05	27.0					217.1	1140.5 (116.3)
		80	10	31.6					220.8	
		90	15	32.2					227.8	
		80	20	33.8					222.1	
		90	25	35.0					228.8	
		80	30	33.5					217.7	
		90	35	35.4					223.8	
		80	40	42.9					212.8	
		90	45	46.5					218.2	
			50	54.5					214	
		100	55	43.6						1039.2 (106.0)
			60	50.0						
		110	65	47.3						890.7 (90.8)
			70	58.5						
	100	100	00	28.3	44.1 (4.5)	88.2 (9.0)	160	280	273	2817.0(287.1)
		120	05	28.4						3074.4(313.3)

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ABKL	100	100	10	33.3	44.1 (4.5)	88.2 (9.0)	160	280	273	3074.4 (313.3)
		120	15	33.9					287.4	
		100	20	30.9					274	2978.4 (304.0)
		120	25	32.0					287.3	
			30	33.5					273	
			35	35.4					285.4	2803.2 (286.1)
			40	39.0					273	
			45	42.3					280.5	
		140	50	46.7					272	
			55	52.3						
			60	60.0						
		150	65	70.9						2740.0 (279.5)
		140	70	58.5						
	200	100	00	28.3	93.1 (9.5)	186.2 (19.0)	260	280	273	5634.0(574.9)
		120	05	28.4						5639.4 (575.1)
		100	10	33.3						
		120	15	33.9					287.4	
		100	20	30.9					274	5117.0 (521.8)
		120	25	32.0					287.4	
			30	33.5					273	5614.1 (572.5)
		140	35	35.4					285.4	
		120	40	39.0					273	
		140	45	42.3					280.5	
			50	46.7					272	
			55	52.3						
			60	60.0						
			65	70.9						
			70	58.5						5483.0 (559.1)
AWBC	200	180	00	38.6	117.6 (12.0)	235.2 (24.0)	200	350	340	4903.2 (499.7)
			05	42.6						
			10	46.7						
			15	50.9						
			20	55.3					340.8	
			25	60.0					344.7	
			30	65.1					347.9	
			35	70.8					355.1	
			40	77.1					351.2	
			45	84.5					356.2	
			50	93.3					354.8	
			55	104.6					367.1	
			60	120.0					385	
	300	180	00	38.6	196.0 (20.0)	392.0 (40.0)	300	350	340	9806.4 (999.4)
			05	42.6						
			10	46.7						
			15	50.9						
			20	55.3					340.8	
			25	60.0					344.7	
			30	65.1					347.9	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
AWBC	300	180	35	70.8	196.0 (20.0)	392.0 (40.0)	300	350	355.1	9806.4 (999.4)
			40	77.1					351.2	
			45	84.5					356.2	
			50	93.3					354.8	
			55	104.6					367.1	
			60	120.0					385	
	400	180	00	38.6	245.0 (25.0)	490.0 (50.0)	400	350	340	9806.4 (999.4)
			05	42.6						
			10	46.7						
			15	50.9						
			20	55.3					340.8	
			25	60.0					344.7	
			30	65.1					347.9	
			35	70.8					355.1	
			40	77.1					351.2	
			45	84.5					356.2	
			50	93.3					354.8	
			55	104.6					367.1	
			60	120.0					385	
	500	180	00	38.6	313.6 (32.0)	627.2 (64.0)	500	350	340	14709.6 (1499.0)
			05	42.6						
			10	46.7						
			15	50.9						
			20	55.3					340.8	
			25	60.0					344.7	
			30	65.1					347.9	
			35	70.8					355.1	
			40	77.1					351.2	
			45	84.5					356.2	
			50	93.3					354.8	
			55	104.6					367.1	
			60	120.0					385	
	600	180	00	38.6	392.0 (40.0)	784.0 (79.9)	600	350	340	19612.8 (1998.7)
			05	42.6						
			10	46.7						
			15	50.9						
			20	55.3					340.8	
			25	60.0					344.7	
			30	65.1					347.9	
			35	70.8					355.1	
			40	77.1					351.2	
			45	84.5					356.2	
			50	93.3					354.8	
			55	104.6					367.1	
			60	120.0					385	
ASGN	50	65	00	15.0	29.4 (3.0)	58.8 (6.0)	50	180	225	1097.6(111.7)
			05	15.6					220	1167.4 (118.8)
			10						210	

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CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASGN	50	65	15	17.0	29.4 (3.0)	58.8 (6.0)	50	180	210	1167.4 (118.8)
			20	18.4						
			25	18.0						
			30	17.4						
			35	18.9						
		55	40	20.6						1104.6 (112.6)
			45	22.5						
			50	23.3						
			55	26.1					225	
			60	31.5					235	
			65	36.6					245	
			70	39.5					250	999.4 (101.9)
			75	52.2					260	
	65	56	00	15.0	29.4 (3.0)	58.8 (6.0)	65	175	190	834.9 (85.1)
			05	15.6					185	
			10						182.5	828.8 (84.3)
			15	17.0					175	
			20	18.4					172.4	
			30	19.5					171.8	809.6 (82.6)
			40	23.1					170	
			50	24.9						
			60	32.0					185	
	80	90	00	30.2	49.0 (5.0)	98.0 (10.0)	80	270	305	1842.4(187.6)
			05	30.5					295	1872.0 (190.8)
			10	31.1					280	
			15	33.9					277.6	
			20	32.3					273.4	1914.0 (194.9)
			25	35.0					270	
			30	34.7						
			35	37.7						
			40	39.9					270	
			45	43.7						
			50	46.7						
			55	53.8						
			60	61.1					290	
			65	70.9					300	
	150	120	00	28.6	147.0 (15.0)	294.0 (30.0)	240	355	325	7022.4 (715.9)
			05	32.2						
			10	35.9						
			15	39.6						
			20	43.5					326.3	
			25	47.7					329	
			30	52.3					326	
			35	57.3					340	
			40	63.0					360	
			45	69.6					375	
			50	77.4					395	
			55	87.1					415	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASGN	150	120	60	99.6	147.0 (15.0)	294.0 (30.0)	240	355	430	7022.4 (715.9)
			65	116.5					445	
	200	120	00	28.6	147.0 (15.0)	294.0 (30.0)	270	355	325	7022.4 (715.9)
			05	32.2						
			10	35.9						
			15	39.6						
			20	43.5					326.4	
			25	47.7					329.1	
			30	52.3					326	
			35	57.3					340	
			40	63.0					360	
			45	69.6					375	
			50	77.4					395	
			55	87.1					415	
			60	99.6					430	
			65	116.5					445	
	300	160	00	28.6	294.0 (30.0)	588.0 (60.0)	340	355	325	14044.8 (1431.8)
			05	32.2						
			10	35.9						
			15	39.6						
			20	43.5					326.4	
			25	47.7					329.1	
			30	52.3					326	
			35	57.3					340	
			40	63.0					360	
			45	69.6					375	
			50	77.4					395	
			55	87.1					415	
			60	99.6					430	
			65	116.5					445	

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	DIMENSIONS (mm) HEIGHT H1 (mm)	DIMENSIONS (mm) LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASLT	500	180	00	38.6	313.6 (32.0)	500	385	370	18682.0 (1906.3)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	
	600	180	00	38.6	313.6 (32.0)	600	385	370	18682.0 (1906.3)
			05	42.6					

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CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASLT	600	180	10	46.7	313.6 (32.0)	600	385	370	18682.0 (1906.3)
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	
	700	180	00	38.6	470.4 (48.0)	700	385	370	28023.0 (2859.5)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	
	800	180	00	38.6	470.4 (48.0)	800	385	370	28023.0 (2859.5)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	
	900	180	00	38.6	627.2 (64.0)	900	385	370	37364.0 (3812.7)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASLT	1000	180	00	38.6	627.2 (64.0)	1000	385	370	37364.0 (3812.7)
			05	42.6					
			10	46.7					
			15	50.9					
			20	55.3					
			25	60.0					
			30	65.1					
			35	70.8				385	
			40	77.1				400	
			45	84.5				410	
			50	93.3				430	
			55	104.6					
			60	120.0				438.8	
ANRP	70	75	00	19.3	98.1 (10.0)	70	225	252	676.2 (69.0)
			05	21.3				242	
			10	23.3				240	
			15	25.4					
			20	27.6					
			25	30.0					
			30	32.6					
			35	35.4					
			40	38.6					
			45	42.3				242	
			50	46.7				261	
			55	43.6				263	578.2 (59.0)
			60	50.0				275	
	80	75	00	32.1	166.7 (17.0)	80	275	305	1223.6 (124.8)
			05	35.5				295	
			10	38.9				280	
			15	42.4				280.5	
			20	46.1				276.2	
			25	50.0				271.5	
			30	54.3				270	
			35	59.0					
			40	64.3					
			45	70.4					
			50	77.8					
			55	78.5					1108.6(113.0)
			60	80.0					993.6(101.3)
	165	120	00	32.1	294.2 (30.0)	165	300	340	2694.0 (274.7)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3				350	

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ANRP	165	120	45	70.4	294.2 (30.0)	165	300	365	2694.0 (274.7)
			50	77.8				355	
		125	55	87.2				372	
			60	100.0				385	
	200	120	00	32.1	353.0 (36.0)	200	300	340	4494.0 (458.3)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3				350	
			45	70.4				365	
			50	77.8				355	
			55	87.2				372	
			60	100.0				385	
	300 ---- 400	160	00	38.6	451.1 (46.0)	300 ---- 400	375	328	9198.0 (937.9)
			05	42.6				320	
			10	46.7				324.2	
			15	50.9				325.9	
			20	55.3				327.1	
			25	60.0				334.8	
			30	65.1				327.9	
			35	70.8				334.6	
			40	77.1				330.5	
			45	84.5				347.9	
			50	79.3				355	8015.4 (817.9)
			55	88.9				405	
			60	102.0					
ASVX	60	100	00	19.3	75.0 (7.6)	60	225	277	2580.6 (263.3)
			05	21.3					
			10	23.3					
			15	25.4					
			20	27.6					
			25	30.0					
			30	32.6					
			35	35.4					
			40	38.6					
			45	42.3					
			50	46.7					
			55	52.3					
			60	60.0					
			65	71.0				282	
			70	58.5				292	2583.7 (263.6)
			75	77.3				302	
	85	110	00	19.3	100.0 (10.2)	85	225	277	5170.4 (527.5)
			05	21.3					
			10	23.3					

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASVX	85	110	15	25.4	100.0 (10.2)	85	225	278	5170.4 (527.5)
			20	27.6				277	
			25	30.0					
			30	32.6					
			35	35.4					
			40	38.6					
			45	42.3					
			50	46.7					
			55	52.3					
			60	60.0					
			65	71.0				282	
			70	58.5				292	5205.5 (531.1)
			75	77.3				302	
	110	145	00	32.1	150.0 (15.3)	110	275	330	5479.9 (559.1)
			05	35.5				360	
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
			45	70.4					
		140	50	77.8				345	
			55	87.2					
			60	100.0					
			65	94.6				355	5501.2(561.3)
			70	81.9				365	5193.0 (529.9)
			75	108.2				375	
	165	115	00	32.1	171.0 (17.4)	165	300	360	10766.2 (1098.5)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
			45	70.4					
			50	77.8					
			55	61.0					10191.3(1039.9)
			60	40.0				367	9293.6 (948.3)
			65	47.3				375	
			70	58.5				385	
			75	58.0				395	8734.9(891.3)
	200	115	00	32.1	218.0 (22.2)	200	300	360	10766.2 (1098.5)
			05	35.5					
			10	38.9					

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASVX	200	115	15	42.4	218.0 (22.2)	200	300	360	10766.2 (1098.5)
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
			45	70.4					
			50	77.8					
			55	52.3					
			60	60.0				367	
			65	71.0				375	
			70	58.5				385	
			75	77.3				395	
	250	155	00	32.1	284.0 (28.9)	250	300	360	21532.4 (2195.6)
			05	35.5					
			10	38.9					
			15	42.4					
			20	46.1					
			25	50.0					
			30	54.3					
			35	59.0					
			40	64.3					
			45	70.4					
			50	77.8					
			55	52.3					19340.0 (1970.0)
			60	60.0				367	
			65	71.0				375	
			70	58.5				385	18587.2 (1895.2)
			75	77.3				395	
	300	155	00	38.6	364.0 (37.1)	300	375	395	31587.3 (3222.9)
			05	42.6				390	
			10	46.7				394.2	
			15	50.9				395.9	
			20	55.3				397.1	
			25	60.0				404.8	
			30	65.1				408.3	
			35	70.8				404.6	
			40	77.1				400.5	
			45	84.5				400	
			50	93.3				410	
			55	104.6					
			60	120.0				420	
			65	94.6				438	29606.1(3021.0)
			70	73.1				455	27599.7 (2816.1)
			75	96.6				475	
	350	155	00	38.6	405.0 (41.3)	350	375	395	27263.8 (2780.1)
			05	42.6				409.7	
			10	46.7				414.6	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
ASVX	350	155	15	50.9	405.0 (41.3)	350	375	408.6	27263.8 (2780.1)
			20	55.3				423	
			25	60.0				421.6	
			30	65.1				418.5	
			35	70.8				415.9	
			40	77.1				410.8	
			45	84.5				410	
			50	93.3				420	
			55	87.2				430	25853.7(2636.3)
			60	90.0				445	26538.8(2706.2)
			65	94.6				450	25295.5(2579.4)
			70	87.7				460	24685.8(2517.2)
			75	96.6				465	23356.0(2381.6)
	400	155	00	38.6	450.0 (45.9)	400	375	395	31587.3 (3222.9)
			05	42.6				390	
			10	46.7				394.2	
			15	50.9				395.9	
			20	55.3				397.1	
			25	60.0				404.8	
			30	65.1				408.3	
			35	70.8				404.6	
			40	77.1				400.5	
			45	84.5				400	
			50	93.3				410	
			55	104.6				423	
			60	120.0				440	
			65	94.6				458	29606.1(3021.0)
			70	73.1				475	27599.7 (2816.1)
			75	96.6				495	

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
AVPS AVPL	AVPS 46	68.5	00	20.6	36.8 (3.7)	49.0 (5.0)	46	175	183	2887 (295)
			05	22.7					180	
			10	24.9					180	
			15	27.1					185	
			20	29.5					185	
			25	32.0					185	
			30	34.7					187	
			35	37.7					194	
			40	41.1					206	
			45	45.1					213	
			50	49.8				180	218	
		83.5	55	45.3				185	225	2715(277)
		75	60	46				190	230	2948(301)
			65	47.3					242	2819(288)
			70	49.7				195	253	2689(274)
			75	50.2					264	2854(291)

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CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
AVPS AVPL	AVPS 46	80	80	57.6	36.8 (3.7)	49.0 (5.0)	46	195	274	2750(281)
	AVPL 46	68.5	00	28.9				175	193	2959 (302)
			05	31.9					190	
			10	35.0					190	
			15	38.2					195	
			20	41.5					195	
			25	45.0					195	
			30	48.8					197	
			35	53.1					197	
			40	57.9					206	
			45	62.0					213	2937(300)
			50	62.2				180	223	2850(291)
	AVPS 58	67	00	21.2	51.5 (5.2)	68.6 (7.0)	58	185	194	4961 (506)
			05	23.4					190.75	
			10	25.7					195	
			15	28.0					195	
			20	30.4					200	
			25	33.0					200	
			30	35.8					200	
			35	38.9					200	
			40	42.4					200	
			45	46.5					207	
			50	51.3				190	213	
		82	55	47.1				205	221	4630(472)
		85	60	48.0				210	234	5034(514)
		83	65	49.7				215	246	4874(497)
		78	70	52.6					256	4896(500)
		80	75	54.1					267	4843(494)
			80	63.3					279	4462(455)
	AVPL 58	67	00	28.9				185	204	5040 (514)
			05	31.9					200.75	
			10	35.0					205	
			15	38.2					205	
			20	41.5					210	
			25	45.0					210	
			30	48.8					210	
			35	53.1					210	
			40	57.9					210	
			45	62.0					207	4998(510)
			50	62.2				190	218	4831(493)
	AVPS 72	96	00	22.5	67.7 (6.9)	90.2 (9.2)	72	230	239	6930 (707)
			05	24.8					240.43	
			10	27.2					245	
			15	29.7					250	
			20	32.3					255	
			25	35.0					255	
			30	38.0					255	
			35	41.3					255	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
AVPS AVPL	AVPS 72	96	40	45.0	67.7 (6.9)	90.2 (9.2)	72	230	259	6930 (707)
			45	49.3					267	
			50	54.5				235	274	
		106	55	75.0				250	278	6793(693)
		105	60	76.0				255	291	6543(668)
			65	75.7					306	6733(687)
		115	70	76.0					327	6647(678)
		120	75	73.4					344	6564(670)
		125	80	74.9					362	6568(670)
	AVPL 72	96	00	35.4				230	254	6836 (698
			05	39.0					255.43	
			10	42.8					260	
			15	46.6					265	
			20	50.7					270	
			25	55.0					270	
			30	59.7					275	
			35	64.9					275	
			40	70.7					275	
			45	74.7					270	6757(689)
			50	77.8				235	279	6638(677)
	AVPL 100	108	00	35.4	116.1 (11.8)	139.2 (14.2)	100	245	263	6836 (698)
			05	39.0					266.96	
			10	42.8					270.58	
			15	46.6					275	
			20	50.7					280	
			25	55.0					285	
			30	59.7					285	
			35	64.9					285	
			40	70.7					285	
			45	77.5					290	
			50	85.6				250	295	
		110	55	81.9				260	307	6993(714)
			60	82.0				270	320	6693(683)
		115	65	82.8					334	6930(707)
		120	70	81.9					350	6803(694)
	AVPL 140	113	00	35.4	159.3 (16.3)	191.1 (19.5)	140	275	285	11162 (1139)
			05	39.0					285.85	
			10	42.8					290.32	
			15	46.6					295	
			20	50.7					300	
			25	55.0					305	
			30	59.7					305	
			35	64.9					310	
			40	70.7				280	310	
			45	77.5				285	318	
			50	85.6				290	333	
		115	55	81.9				295	351	11438(1167)
			60	82.0				300	364	10911(1113)

AZOL GAS

CAM UNITS

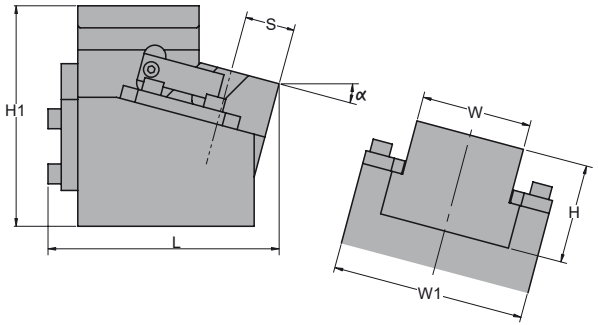
Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
AVPS AVPL	140	120	65	82.8	159.3 (16.3)	191.1 (19.5)	140	305	379	11327(1156)
			70	81.9					386	11103(1133)
	200	150	00	35.4	164.6 (16.8)	230.5 (23.5)	200	300	291	13914 (1420)
			05	39.0					299.87	
			10	42.8					307.34	
			15	46.6					312 .43	
			20	50.7					316.16	
			25	55.0					317.55	
			30	59.7					318.63	
			35	64.9					315.43	
			40	70.7					310	
			45	77.5					314	
			50	85.6					333	
		160	55	95.9					352	
			60	110.0					364	
			65	118.3					379	13478(1375)
			70	119.9					398	12692(1295)
	300	180	00	35.4	274.4 (28.0)	356.7 (36.4)	300	340	303	22800 (2327)
			05	39.0					312.13	
			10	42.8					319.87	
			15	46.6					327.21	
			20	50.7					330.18	
			25	55.0					332.82	
			30	59.7					334.13	
			35	64.9					332.16	
			40	70.7					330	
			45	77.5					344	
			50	85.6					367	
			55	95.9					390	
			60	110.0					406	
			65	118.3					419	22078(2253)
			70	119.9					439	20778(2120)
	400	180	00	35.4	343.0 (35.0)	411.6 (42.0)	400	340	303	27829 (2840)
			05	39.0					312.13	
			10	42.8					319.87	
			15	46.6					327.21	
			20	50.7					330.18	
			25	55.0					332.82	
			30	59.7					334.13	
			35	64.9					332.16	
			40	70.7					330	
			45	77.5					344	
			50	85.6					367	
			55	95.9					390	
			60	110.0					406	
			65	118.3					419	26956(2751)
			70	119.9					439	25384(2590)

CAM UNITS

AZOL GAS

Summary



Approximate dimensions and values, check specific catalog sheet measures of each cam.

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)		DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
					(1 Million Strokes)	(300.000 Strokes)	WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
LSDH	52	75	00	55	19.6 (2.0)	39.2 (4.0)	52	215	235	606.7 (62.1)
			05					255	310	
			10							
			15							
			20							
	90	82	00	55	38.2 (3.9)	76.4 (7.8)	90	220	236	1213.4 (124.2)
			05						251.5	
			10						261.8	
			15					225	260.9	
LKCM LKBM	52	65	00	25	14.7 (1.5)	29.4 (3.0)	98	140	140	595.3(60.7)
				40					155	605.8(61.4)
				60					200	614.7(62.8)
	65	70		40	19.6 (2.0)	39.2 (4.0)	130	160	167	752.6(76.8)
				60					212	763.6(77.4)
	100	100		40	29.4 (3.0)	58.8 (6.0)	175	200	218	1130.9(115.2)
				60					238	1146.1(116.8)
				80					277	1302.7(132.5)
	150	100		40	58.8 (6.0)	88.2 (9.0)	260	220	225	1841.3(188.2)
				60					245	1867.3(189.8)
	200	110		40	78.4 (8.0)	117.6 (12.0)	310	240	236	2761.9(282.2)
				60					256	2801.0(284.7)
	250	130		40	98.0 (10.0)	147.0 (15.0)	360	270	246	3610.1(368.6)
				60					266	3659.4(372.3)
	300	130		40	117.6 (12.0)	176.4 (18.0)	410	270	246	3610.1(368.6)
				60					266	3659.4(372.3)
	400	150		60	137.2 (14.0)	205.8 (21.0)	525	250	356	9332.2 (952.3)
	500	150		60			625	250	361	
	600	150		60			725	250	361	
LKCV LKBV	65	70	05	45	19.6 (2.0)	39.2 (4.0)	130	160	175.6	741.0 (75.5)
			10						180	
			15					170	183.2	
			20						185.2	
	100	90	05	45	39.2 (4.0)	78.4 (8.0)	175	200	199.3	1111.6 (113.3)
			10						205.2	
			15						209.7	
			20						212.9	

AZOL GAS

CAM UNITS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons) (1 Million Strokes)	WORKING F. kN - (tons) (300.000 Strokes)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
LKCV LKBV	150	100	05	45	64.7 (6.6)	98.0 (10.0)	260	220	229.1	1810.1 (184.1)
			10						235.6	
			15						240.6	
			20						244.1	
LKCZ LKBZ	65	70	05	70	19.6 (2.0)	39.2 (4.0)	130	170	220.4	974.4 (99.2)
			10						224.3	
			15						226.7	
			20						227.5	
	100	90	05	70	39.2 (4.0)	78.4 (8.0)	175	200	234.1	1137.4 (116.6)
			10						239.6	
			15						243.5	
			20						245.8	
	150	100	05	70	64.7 (6.6)	98.0 (10.0)	260	220	254	1841.3 (188.2)
			10						260.2	
			15					230	264.8	
			20						267.6	

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm) WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	SPRING FINAL F. N - (kgf)
LSPJ	50	68	00	60	14.7 (1.5)	50	240	255	591.5 (60.2)
			05					290	
			10					290	
			15					298	
			20					308.3	
			25					308.1	
			30					312.4	
	80	88	00	60	35.3 (3.6)	80	265	310	1339.6 (136.0)
			05						
			10						
			15					312.6	
			20					321.6	
			25					329.8	
			30					332.4	
	150	120	00	60	117.6 (12.0)	290	300	365	3746.8 (381.5)
			05					378.5	
			10				310	385.1	
			15					394.6	
			20				335	397	
			25				345	397.3	
			30				360	400.4	
	200	120	00	60	147.0 (15.0)	320	300	365	3746.8 (381.5)
			05					378.5	
			10				310	385.1	
			15					394.5	
			20				335	394	
			25				345	397.3	
			30				360	400.4	

CAM UNITS

AZOL GAS

Summary

MODEL	MOUNT WIDTH W (mm)	MOUNT HEIGHT H (mm)	WORKING ANGLE α (mm)	MOUNT STROKE S (mm)	WORKING F. kN - (tons)	DIMENSIONS (mm)			SPRING FINAL F. N - (kgf)
						WIDTH W1 (mm)	HEIGHT H1 (mm)	LENGTH Lmax.(mm)	
LSPJ	300	120	00	60	294.0 (30.0)	410	335	420	7493.6 (763.0)
			05					431.9	
			10				355	442.6	
			15					449.7	
			20				375	454.2	
			25				385	461.2	
			30				405	465.5	
LSLD	500	180	00	60	313.6 (32.0)	500	385	370	19600.0 (1998.6)
			05					372.5	
			10					385	
			15					400.2	
			20					414	
	600	180	00	60	313.6 (32.0)	600	385	370	19600.0 (1998.6)
			05					372.5	
			10					385	
			15					400.2	
			20					414	
	700	180	00	60	470.4 (48.0)	700	385	370	19600.0 (1998.6)
			05					372.5	
			10					385	
			15					400.2	
			20					414	
	800	180	00	60	470.4 (48.0)	800	385	370	19600.0 (1998.6)
			05					372.5	
			10					385	
			15					400.2	
			20					414	
	900	180	00	60	627.2 (64.0)	900	385	370	39200.0 (3997.3)
			05					372.5	
			10					385	
			15					400.2	
			20					414	
	1000	180	00	60	627.2 (64.0)	1000	385	370	39200.0 (3997.3)
			05					372.5	
			10					385	
			15					400.2	
			20					414	

AZOL GAS

CAM UNITS

Summary

CAM UNITS

Summary

AZOL GAS

PUNCHING FORCE CALCULATION

The following formula is used to calculate the required force in the punching process:

$$F = S \times C_R$$
$$S = P \times Esp$$

F : Punching force (Kg)
S : Cutting section (mm^2)
CR : Tensile strength coefficient (Kg/mm^2)
P : Cutting perimeter (mm)
Esp : Sheet thickness (mm)

Punch Ø - 16 mm
Sheet thickness - 2 mm
Tensile strength 40 Kg/mm^2

$S = (2\pi R) \times Esp$
$S = (2\pi 8) \times 2$
F = $(2\pi 8) \times 2 \times 40$
F = $50.26 \times 2 \times 40$
F = 4021.24 Kg

HOW TO USE THE GRAPHIC : PUNCHING FORCE CALCULATION

DESCRIPTION

-Mark a point in the appropriate hole diameter or cutting perimeter punch in the left column of the graphic.

-Mark a point on the value of the sheet thickness that we are going to punch in the right column of the graphic.

-Link the previous two points and required punching force is indicated the central column.

If the piece to be punched has a different material, the result must be multiplied by the factor of the table below.

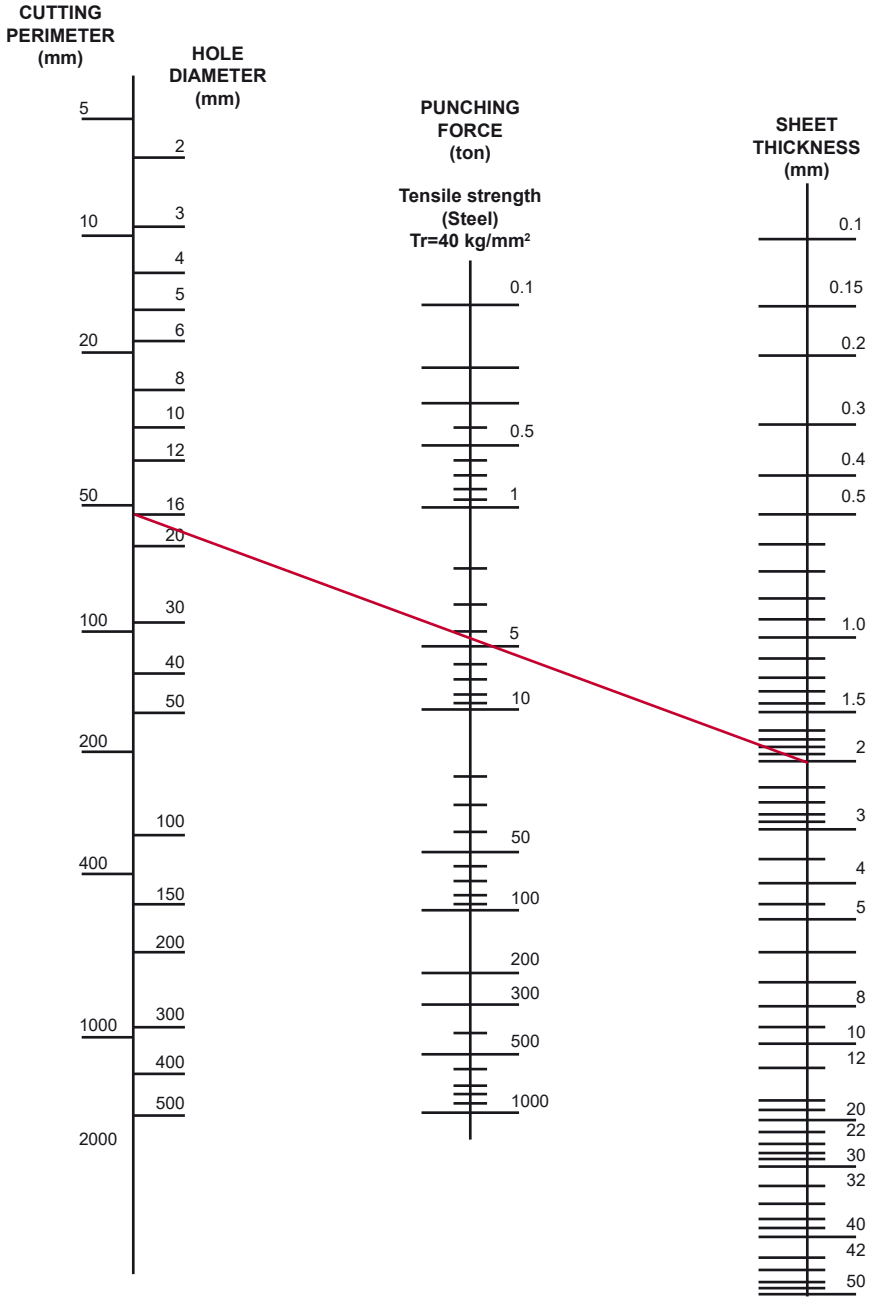
For example, if the resulting value is 4, and the punched material is aluminum 1100, apply the apropiate multiplier factor.

Common steel
F = **4 ton**
Aluminum 1100
F = 4 x 0.32 = **1.28 ton**
Laminated copper
F = 4 x 0.50 = **2 ton**
Stainless steel T-304
F = 4 x 1.50 = **6 ton**

MATERIAL	MULTIPLY FACTOR
ALUMINUM 1100	0.32
ALUMINUM 6063 T6	0.50
LAMINATED COPPER	0.50
SEMI-HARD BRASS	060
STRUCTURAL STEEL A-52	1.25
STAINLESS STEEL T-304	1.50

PUNCHING FORCE CALCULATION (GRAPHIC)

Steel = 40 Kg/mm² Used tensile strength coefficient
For other materials consult multiplier in attached table.

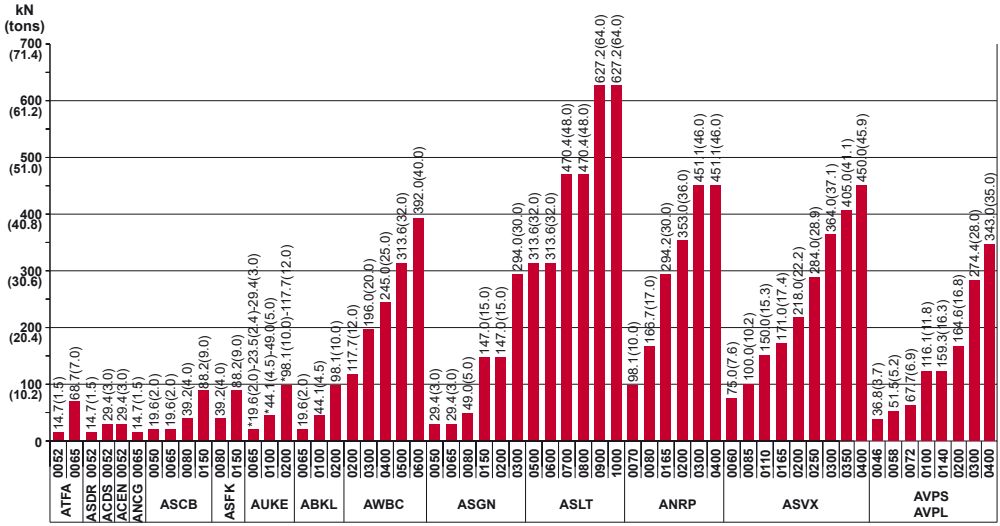


CAM UNITS

Summary

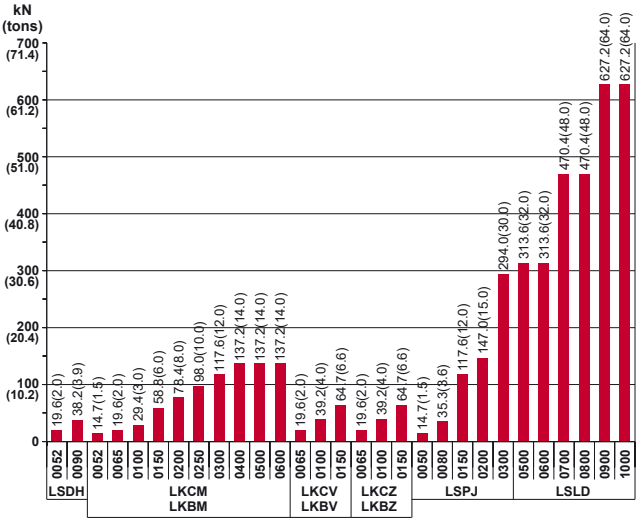
AZOL GAS

AERIAL CAMS
WORK FORCES GRAPHIC



*- Angle depending variable value.

DIE MOUNTED CAMS
WORK FORCES GRAPHIC

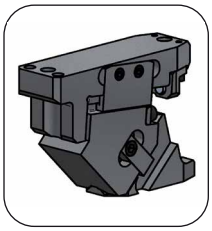


AZOL GAS

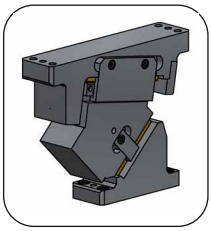
ATFA

Aerial cam for pierce

General information



ATFA 0052

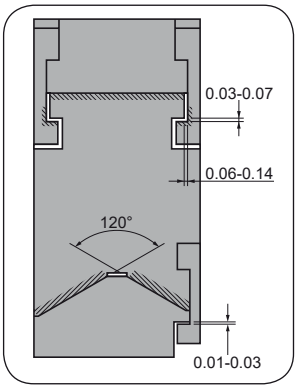


ATFA 0065

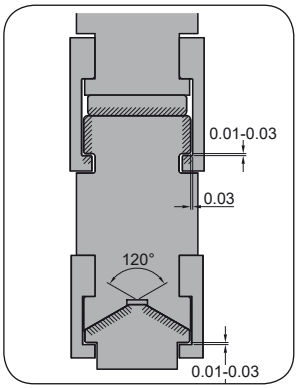
- Aerial cam.
- (ATFA 52) Angles from 0° to 80° and (ATFA 65) from 0° to 75° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Compact design.

Adjustment clearances

ATFA 0052



ATFA 0065



ATFA

Aerial cam for pierce

AZOL GAS

Assembling and disassembling

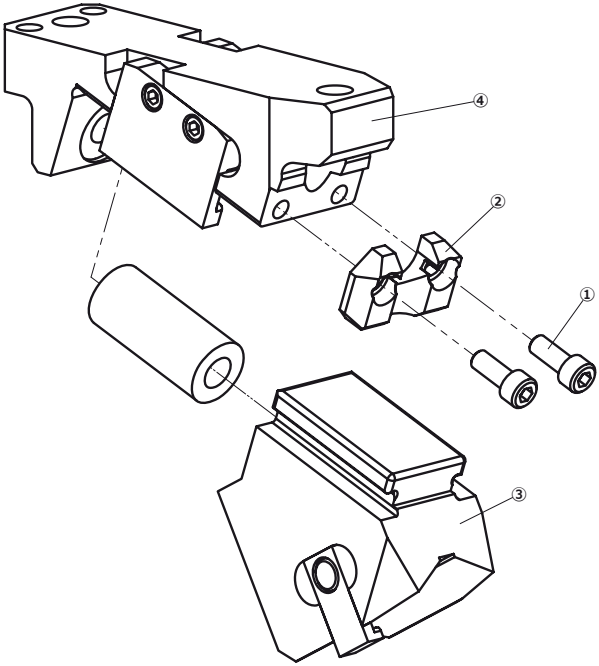
ATFA 0052

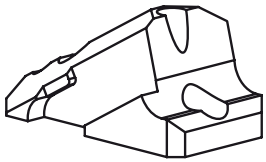
Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.





Assembling and disassembling

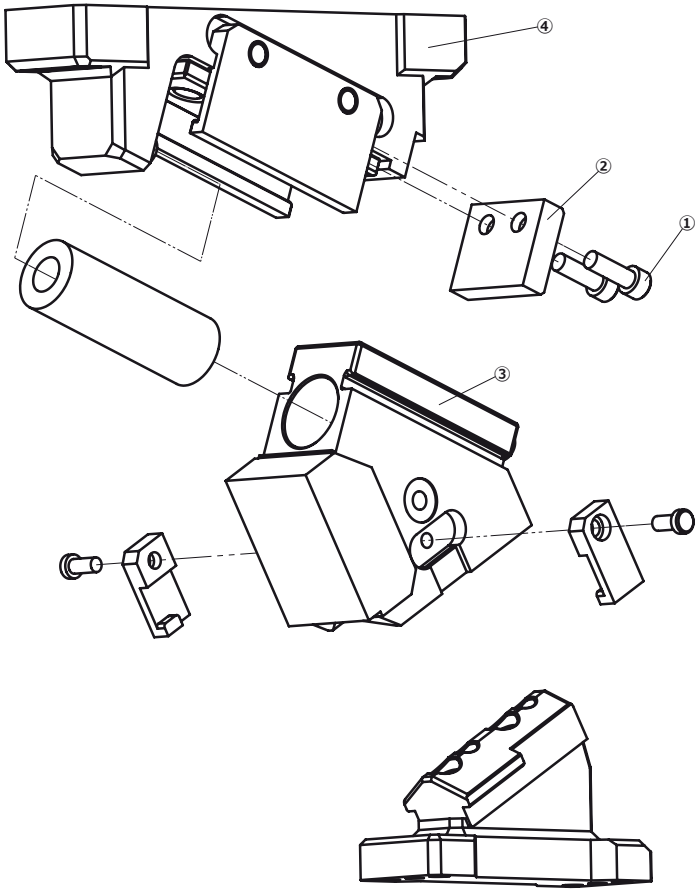
ATFA 0065

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ATFA

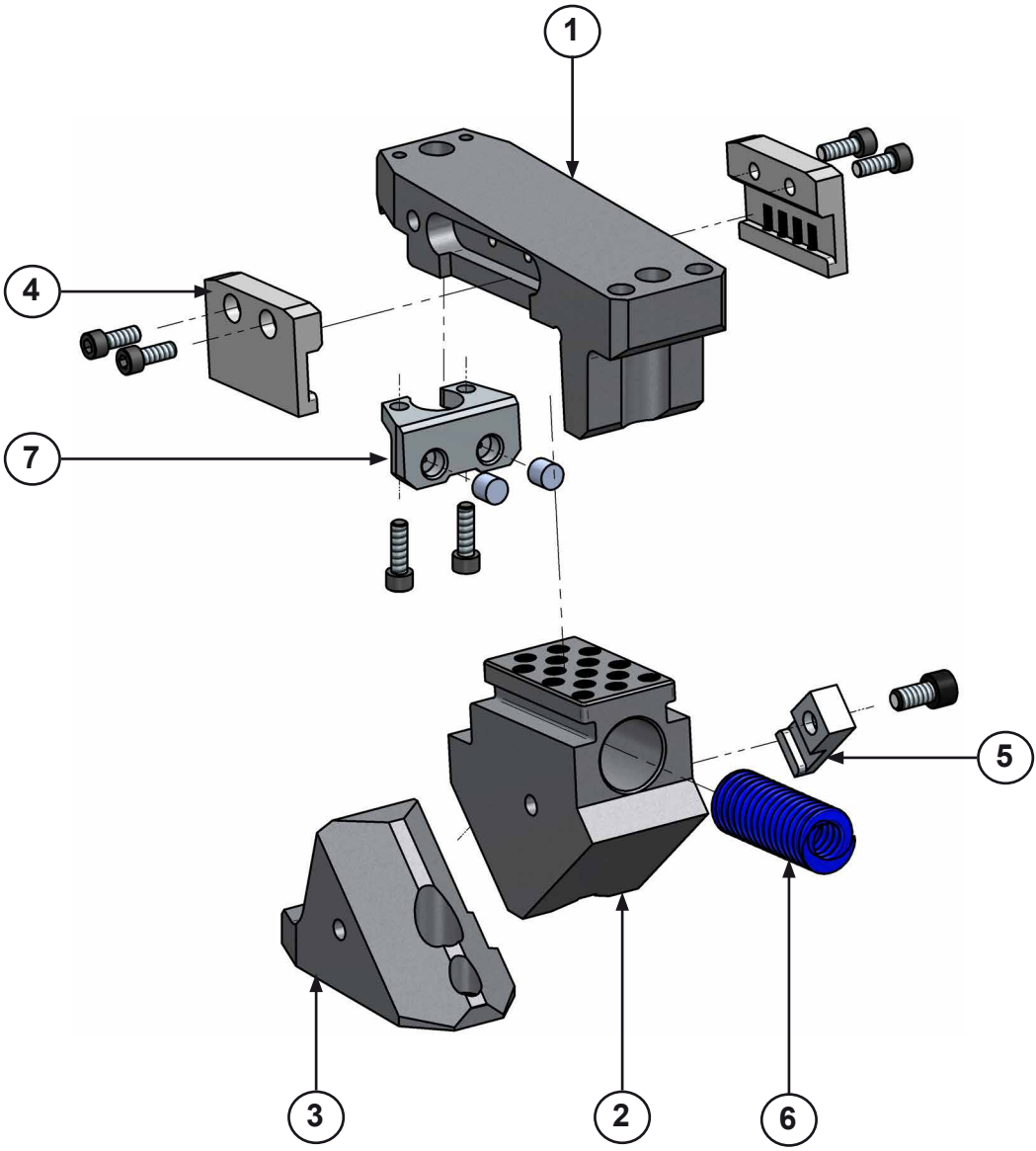
Aerial cam for pierce

AZOL GAS

AZOL GAS

ATFA 0052

Aerial cam for pierce

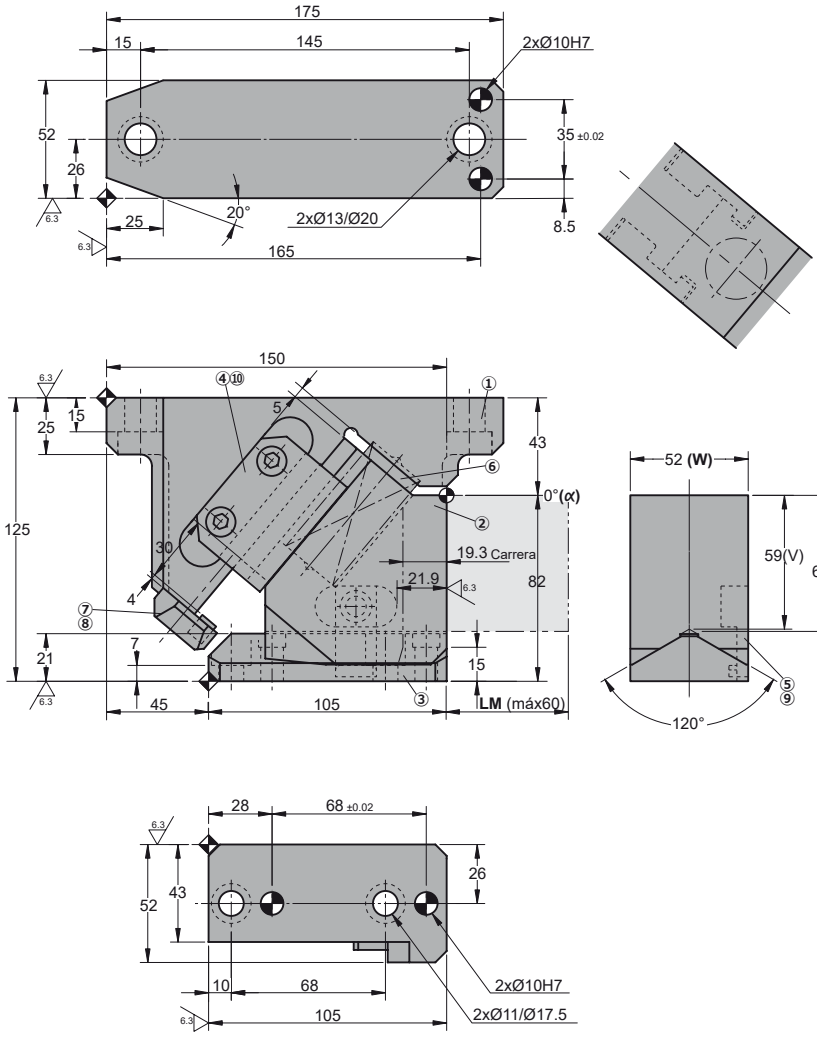


ATFA 0052

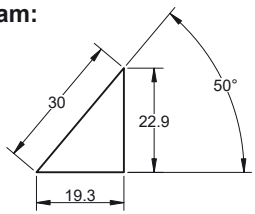
Aerial cam for pierce

AZOL GAS

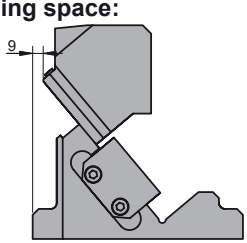
ATFA 0052 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
19.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.3	ATFA	0052	00

Order: Model (W) (α)

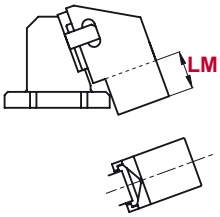
ATFA 0052 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 00-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

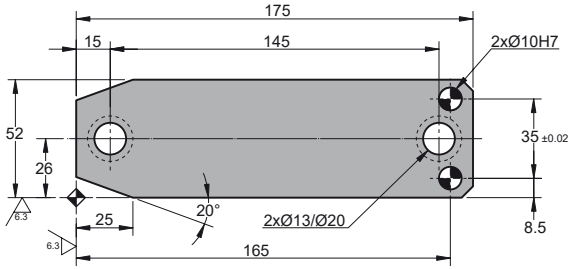
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

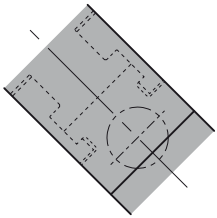
ATFA 0052

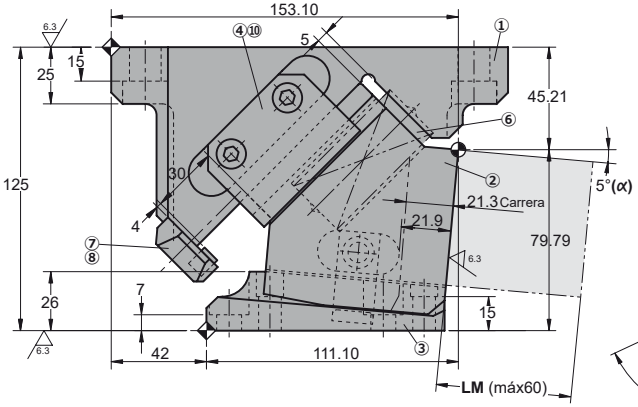
Aerial cam for pierce

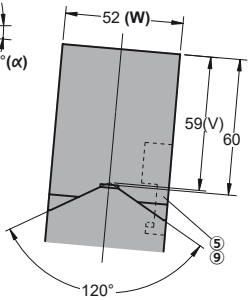
AZOL GAS

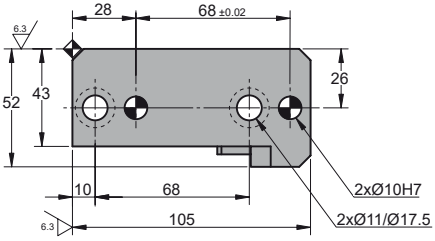
ATFA 0052 05



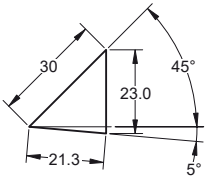




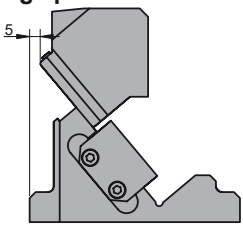




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
21.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	ATFA	0052	05

Order: Model (W) (α)

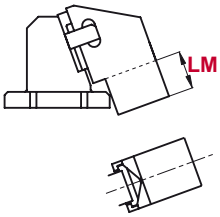
ATFA 0052 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 05-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

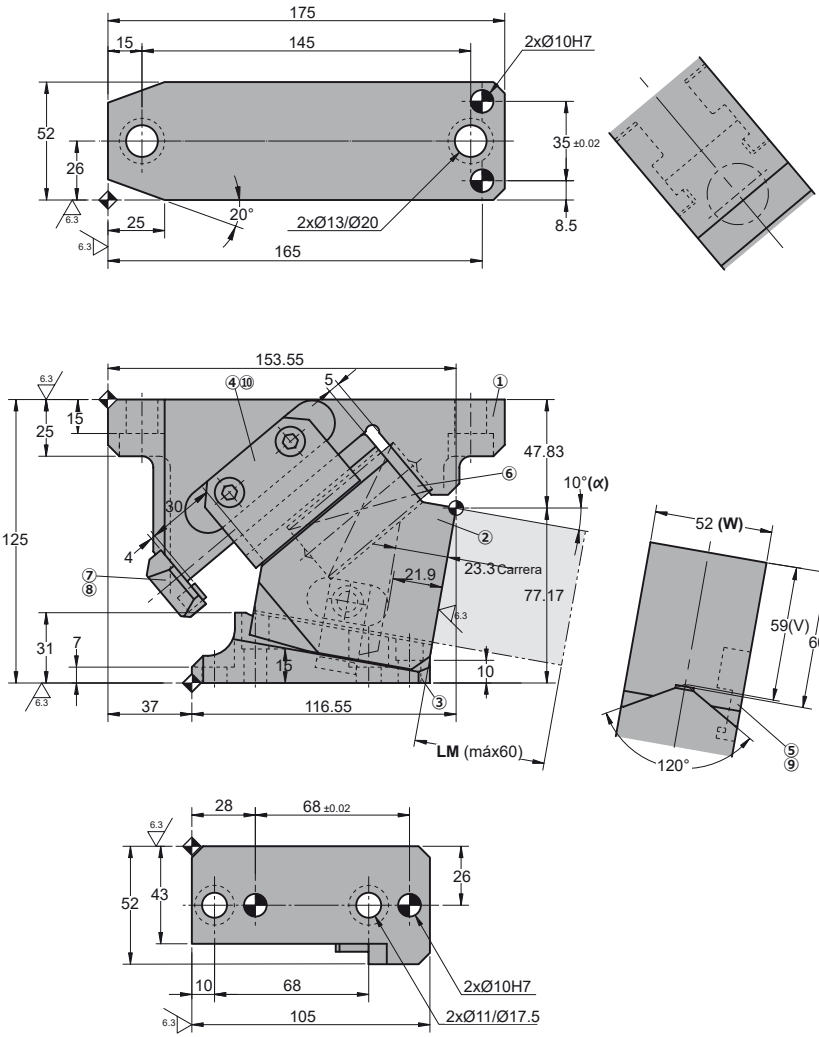
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

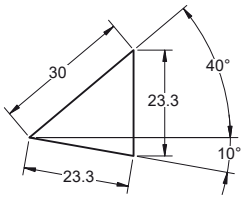
Aerial cam for pierce

AZOL GAS

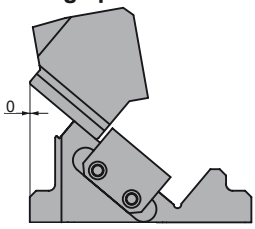
ATFA 0052 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.1	ATFA	0052	10

Order: Model (W) (α)

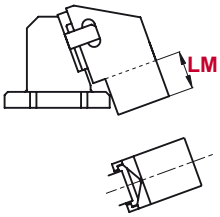
ATFA 0052 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 10-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

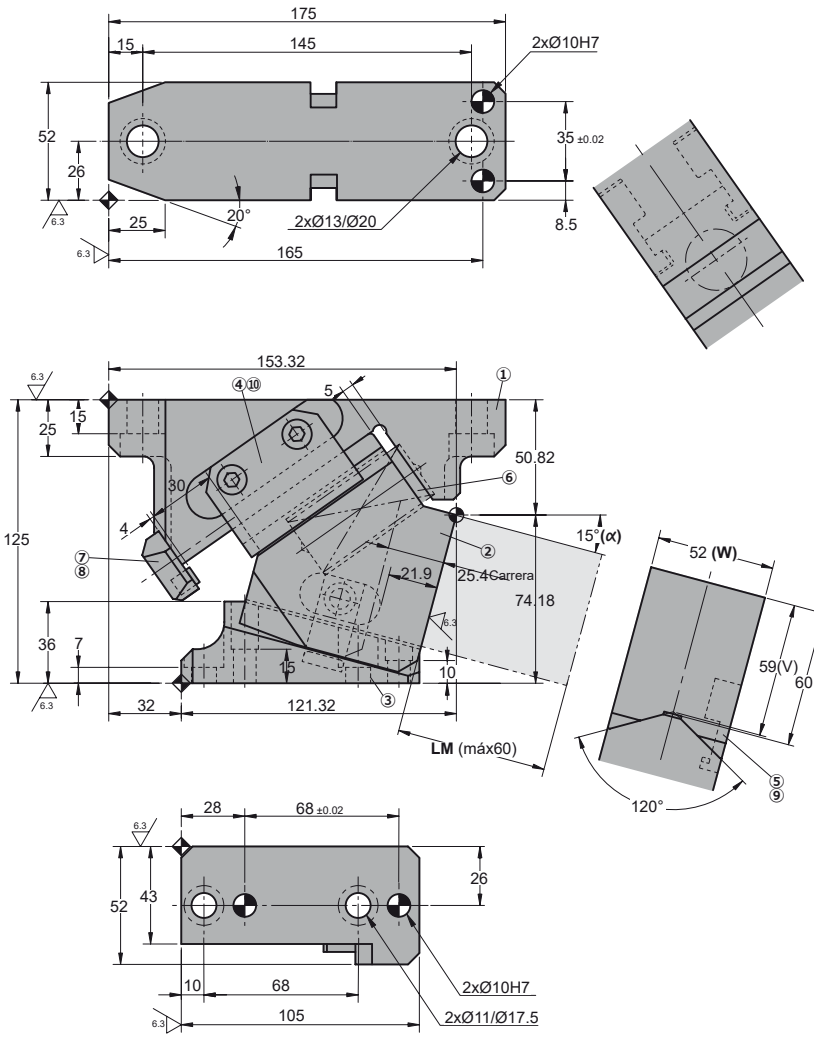
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

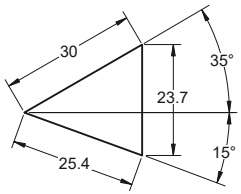
Aerial cam for pierce

AZOL GAS

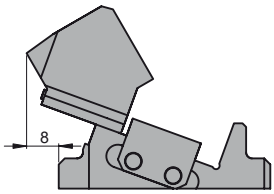
ATFA 0052 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
25.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	15

Order: Model (W) (α)

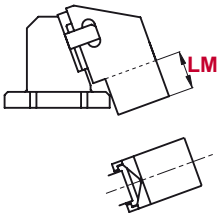
ATFA 0052 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 15-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

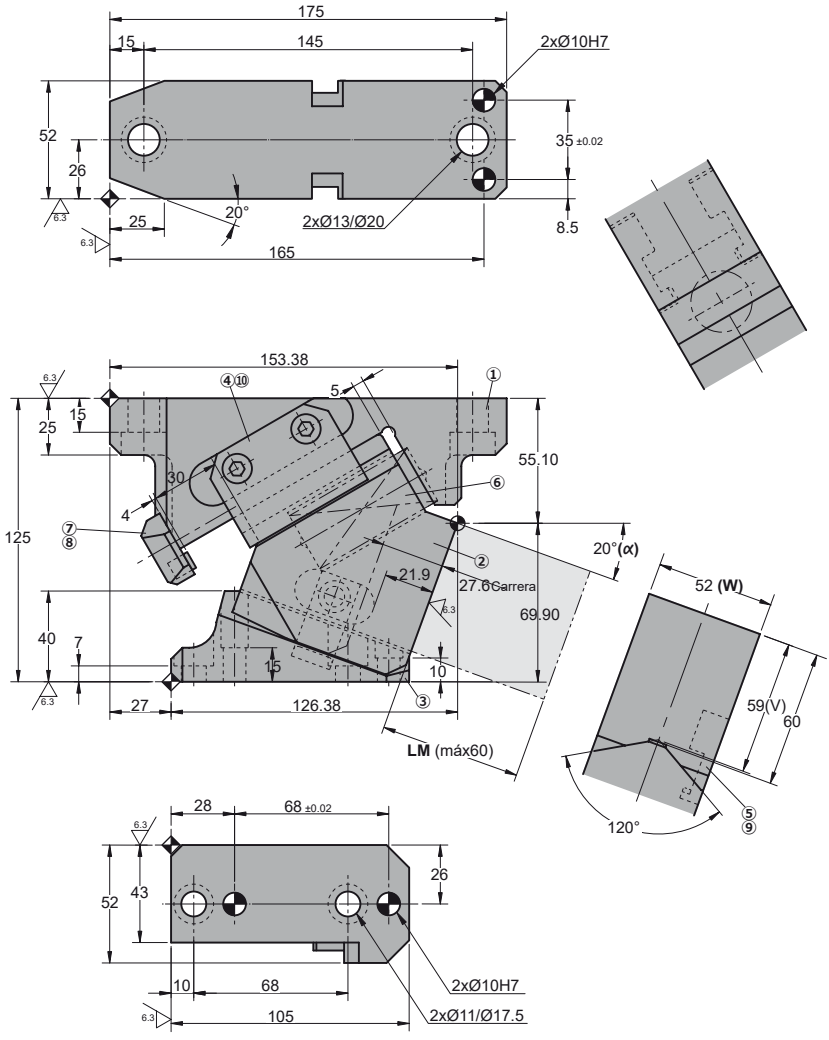
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

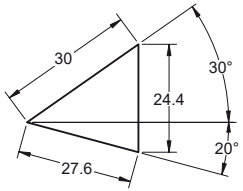
Aerial cam for pierce

AZOL GAS

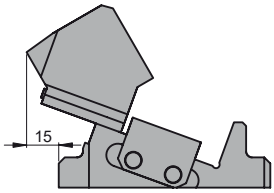
ATFA 0052 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
27.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	20

Order: Model (W) (α)

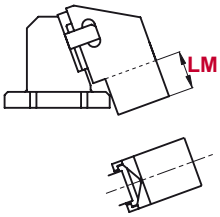
ATFA 0052 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 20-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

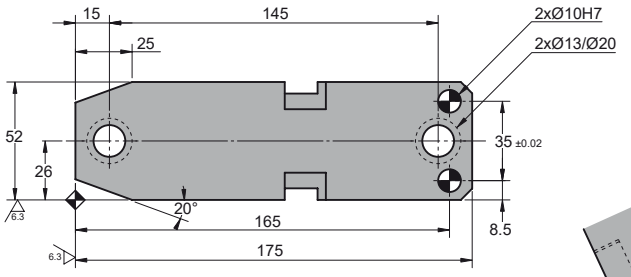
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

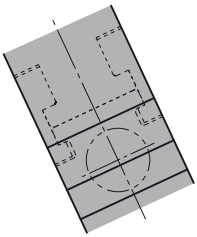
ATFA 0052

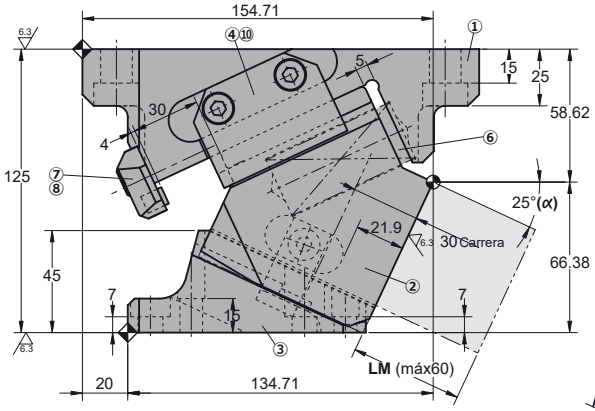
Aerial cam for pierce

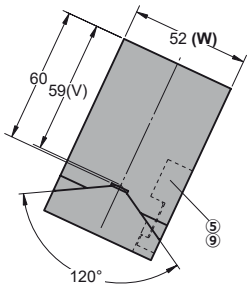
AZOL GAS

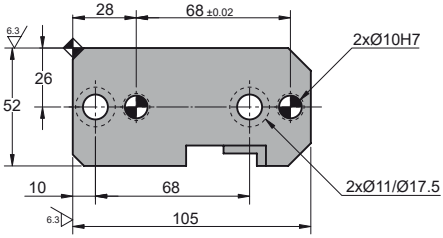
ATFA 0052 25



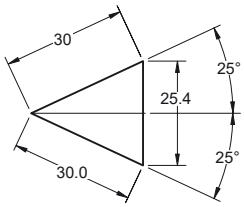




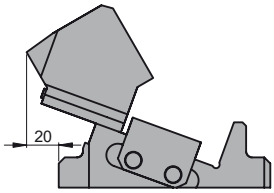




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	25

Order: Model (W) (α)

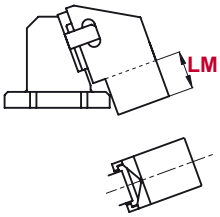
ATFA 0052 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 25-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

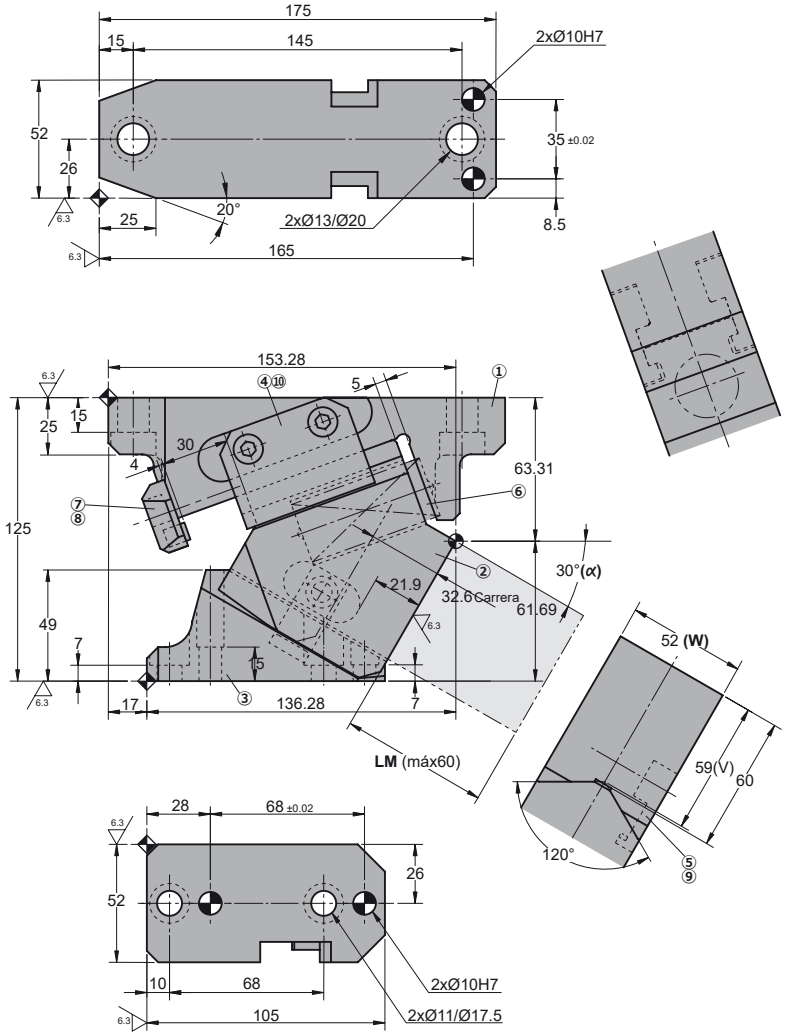
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

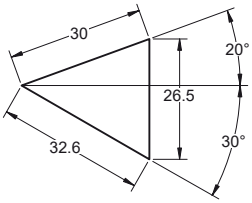
Aerial cam for pierce

AZOL GAS

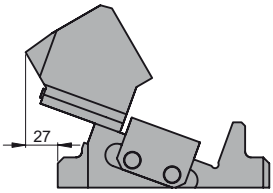
ATFA 0052 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	30

Order: Model (W) (α)

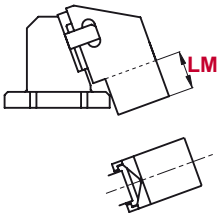
ATFA 0052 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 30-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

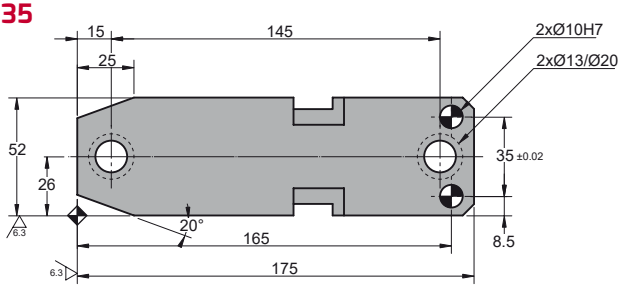
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

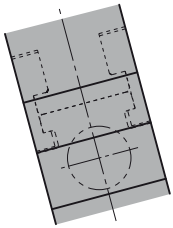
ATFA 0052

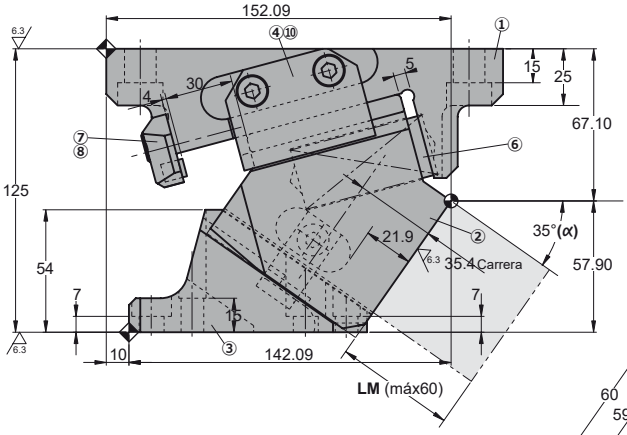
Aerial cam for pierce

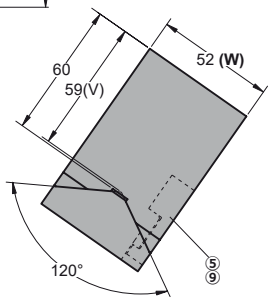
AZOL GAS

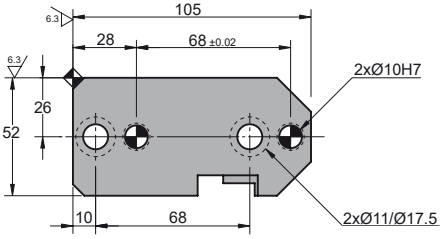
ATFA 0052 35



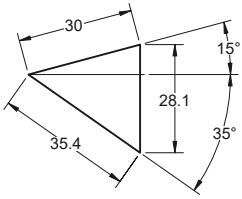




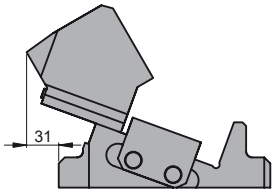




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	4.9	ATFA	0052	35

Order: Model (W) (α)

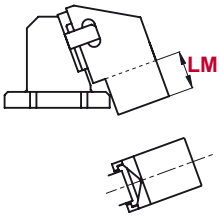
ATFA 0052 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 35-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

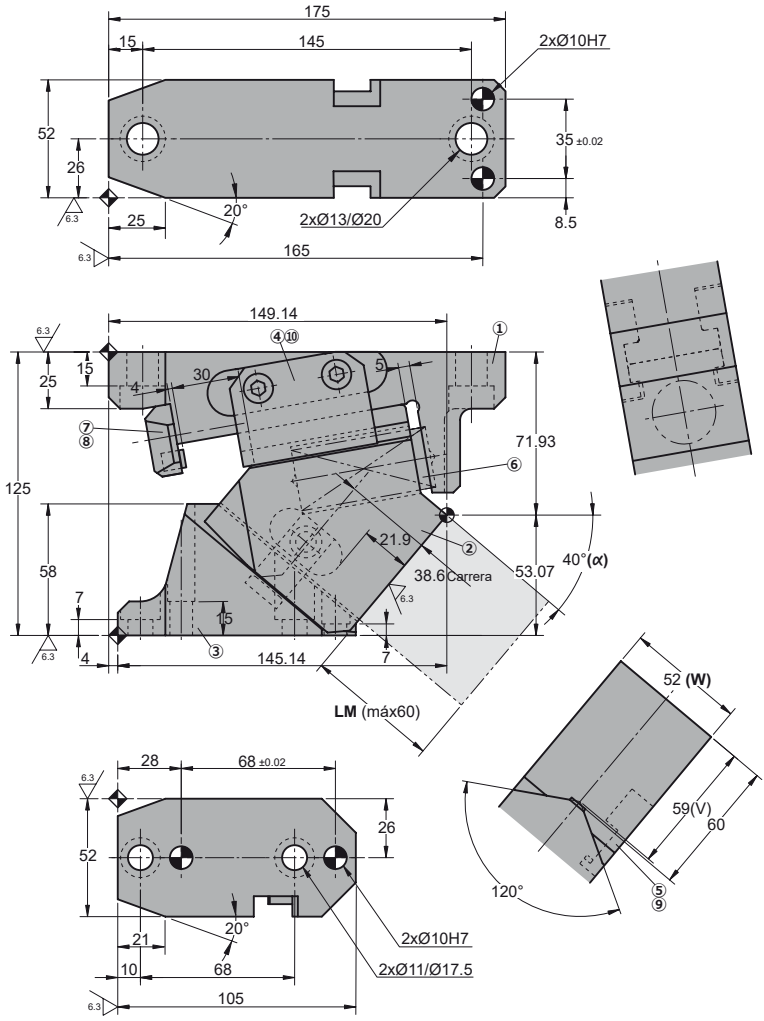
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

ATFA 0052

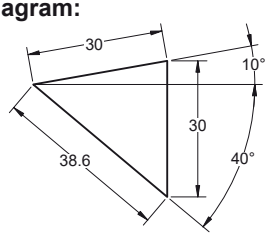
Aerial cam for pierce

AZOL GAS

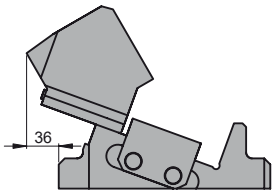
ATFA 0052 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	40

Order: Model (W) (α)

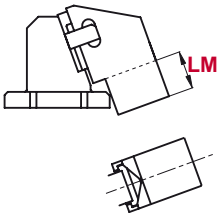
ATFA 0052 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 40-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

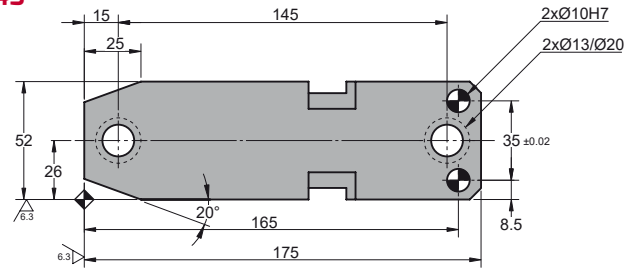
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	1	M8 x 15
⑩	Screw	4	M6 x 16

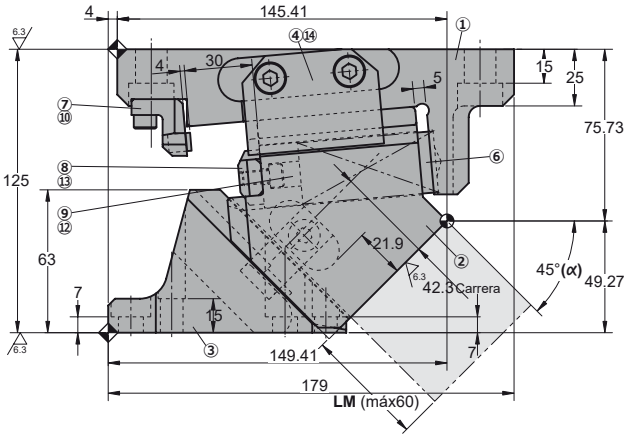
ATFA 0052

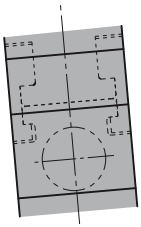
Aerial cam for pierce

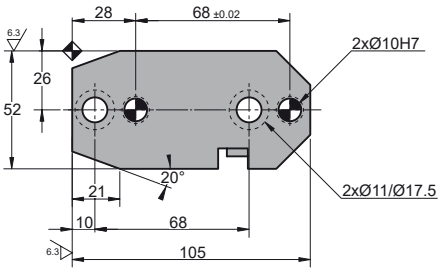
AZOL GAS

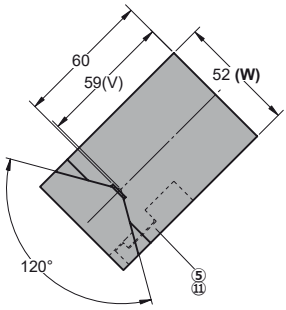
ATFA 0052 45



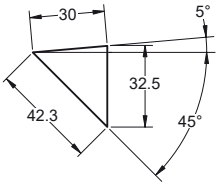




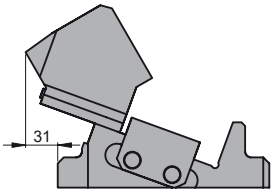




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
42.3	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	45

Order: Model (W) (α)

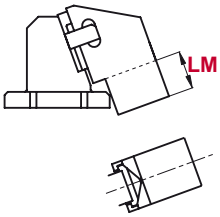
ATFA 0052 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 45-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

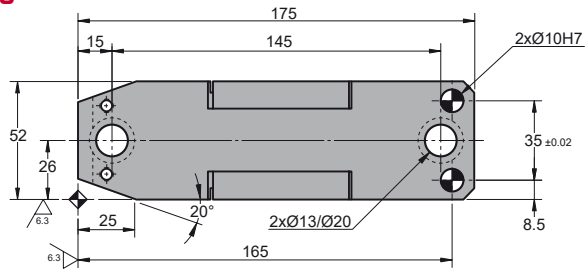
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

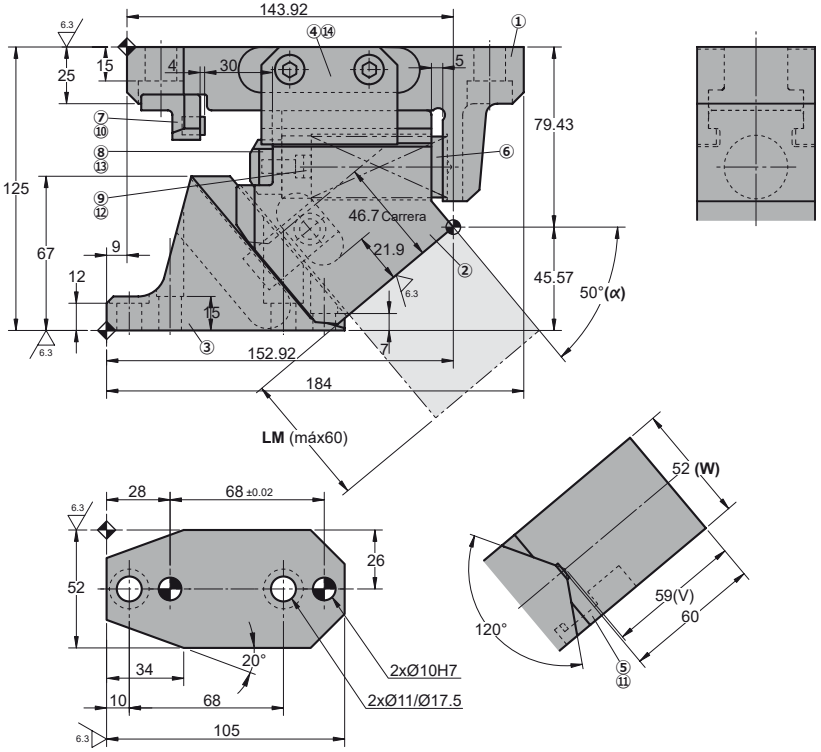
ATFA 0052

Aerial cam for pierce

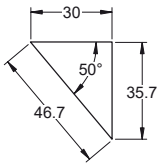
AZOL GAS

ATFA 0052 50

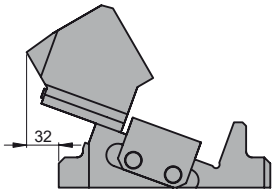




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
46.7	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.0	ATFA	0052	50

Order: Model (W) (α)

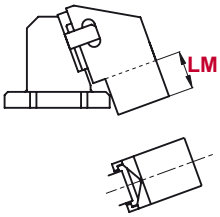
ATFA 0052 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 50-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

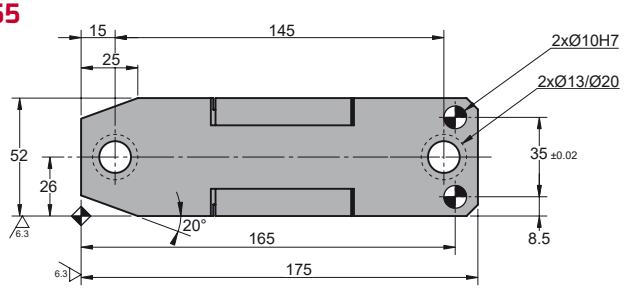
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

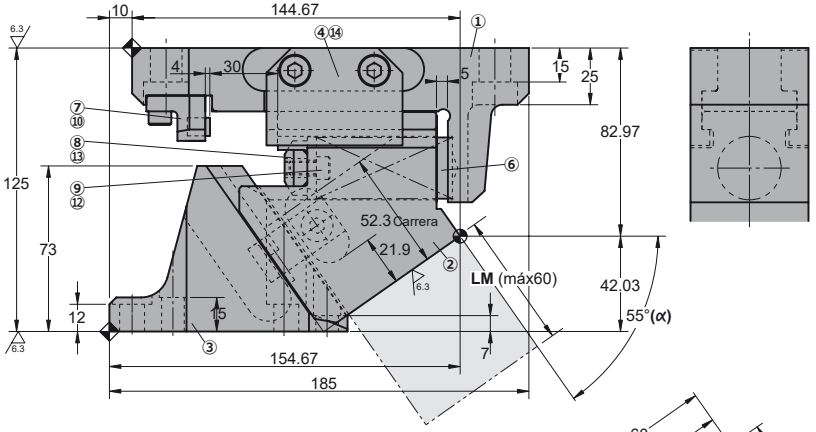
ATFA 0052

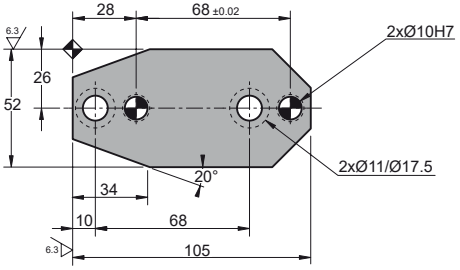
Aerial cam for pierce

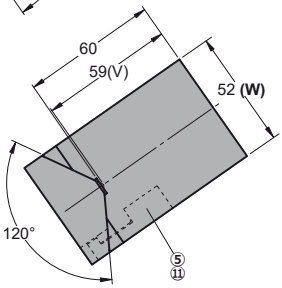
AZOL GAS

ATFA 0052 55

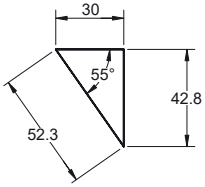




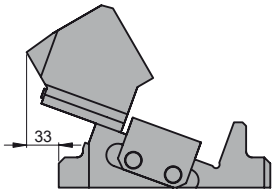




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
52.3	14.7 (1.5)	29.4 (3.0)	245 (25.0)	980.0 (99.9)	5.0	ATFA	0052	55

Order: Model (W) (α)

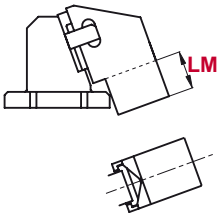
ATFA 0052 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM **MOUNT**

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 55-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

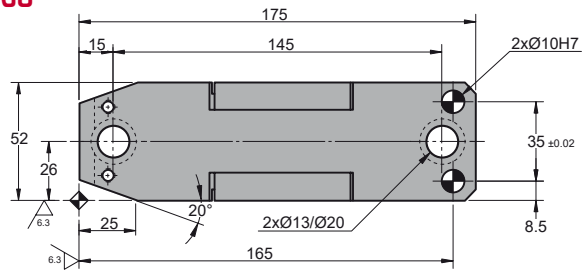
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

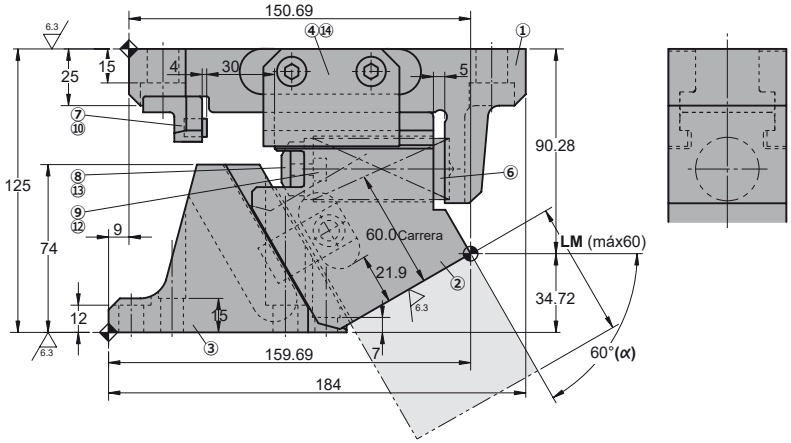
ATFA 0052

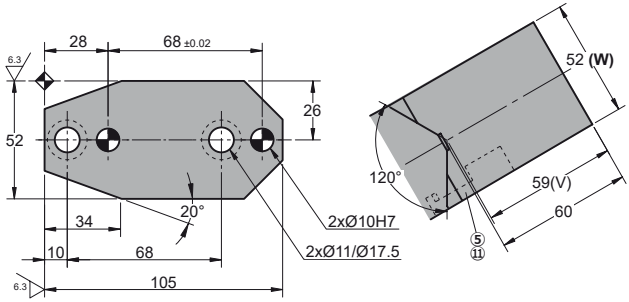
Aerial cam for pierce

AZOL GAS

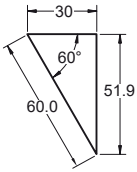
ATFA 0052 60



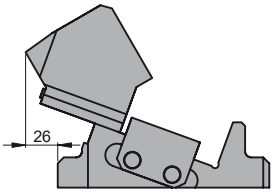




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	14.7 (1.5)	29.4 (3.0)	245.0 (25.0)	980.0 (99.9)	5.2	ATFA	0052	60

Order: Model (W) (α)

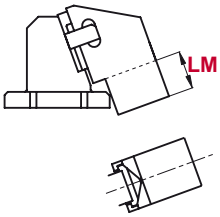
ATFA 0052 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 60-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

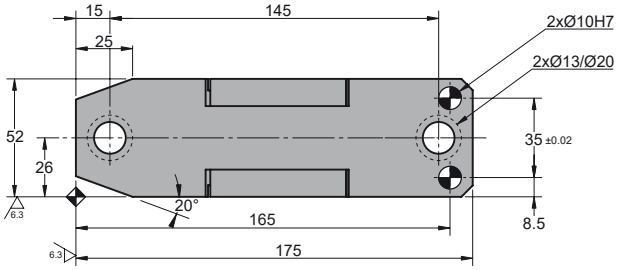
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-100
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

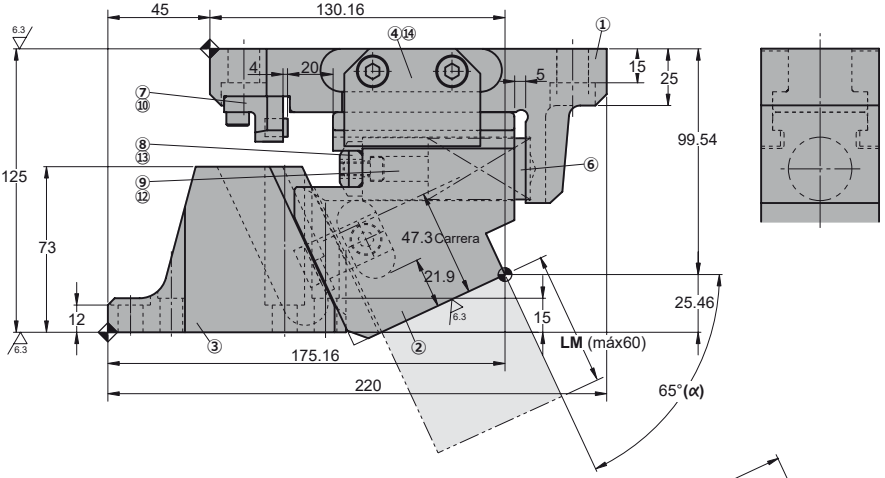
ATFA 0052

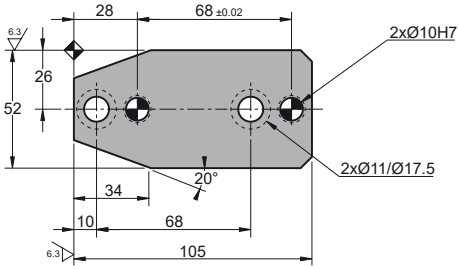
Aerial cam for pierce

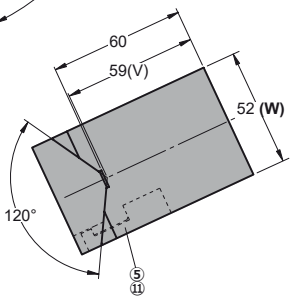
AZOL GAS

ATFA 0052 65

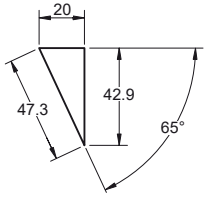




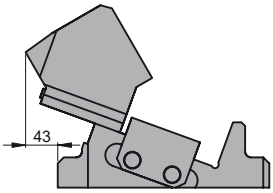




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
47.3	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	ATFA	0052	65

Order: Model (W) (α)

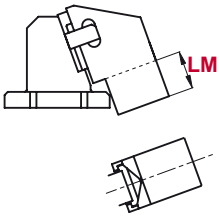
ATFA 0052 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 65-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

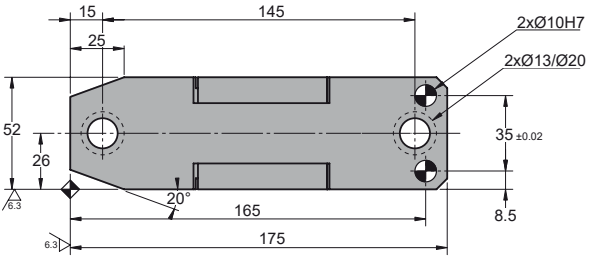
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

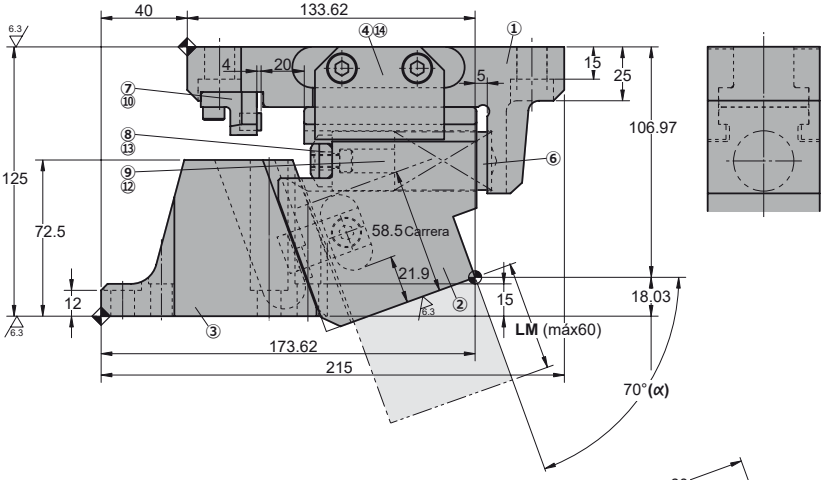
ATFA 0052

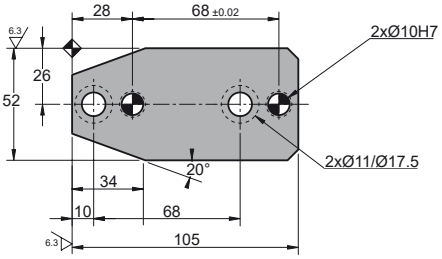
Aerial cam for pierce

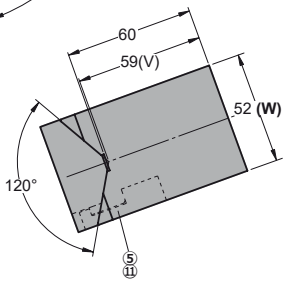
AZOL GAS

ATFA 0052 70

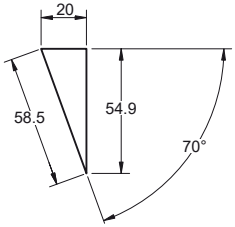




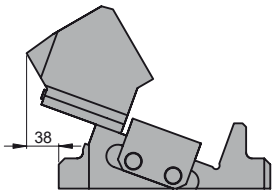




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
58.5	14.7 (1.5)	29.4 (3.0)	327.0 (33.3)	981.0 (100.0)	5.9	ATFA	0052	70

Order: Model (W) (α)

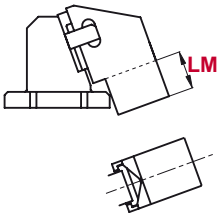
ATFA 0052 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 70-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

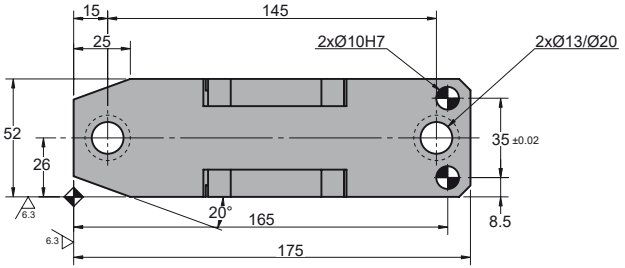
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-75
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	2	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	1	M6 x 12
⑭	Screw	4	M6 x 16

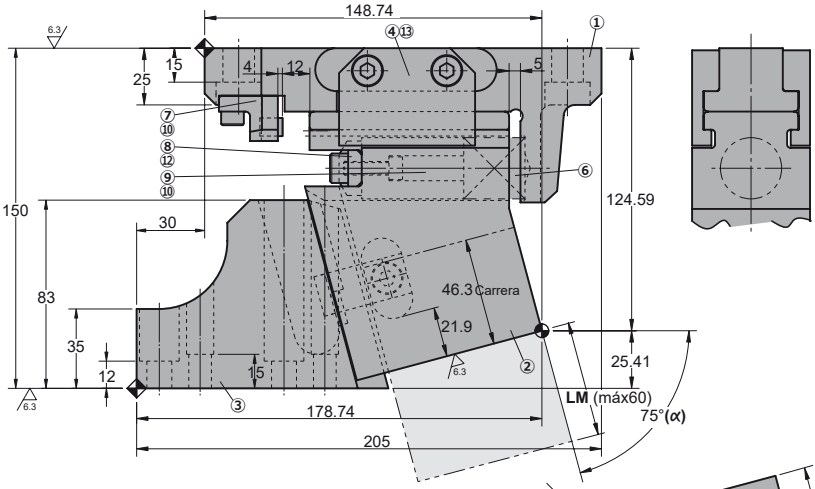
ATFA 0052

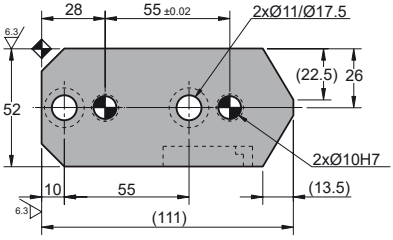
Aerial cam for pierce

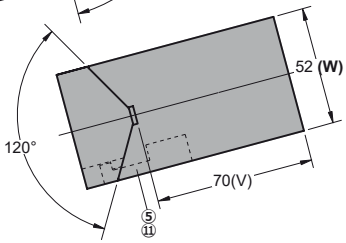
AZOL GAS

ATFA 0052 75

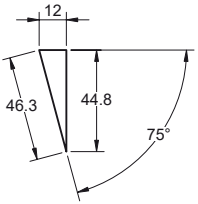




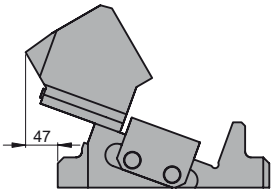




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
46.3	14.7 (1.5)	29.4 (3.0)	327.1 (33.4)	981.2 (100.1)	7.8	ATFA	0052	75

Order: Model (W) (α)

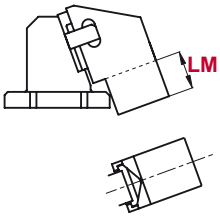
ATFA 0052 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 75-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

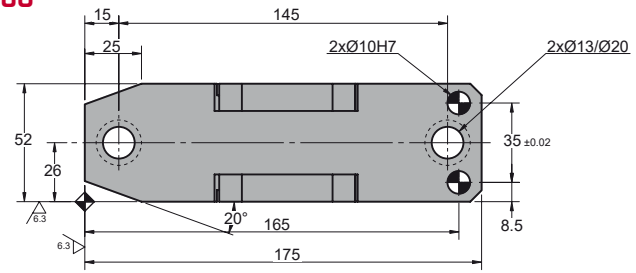
No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

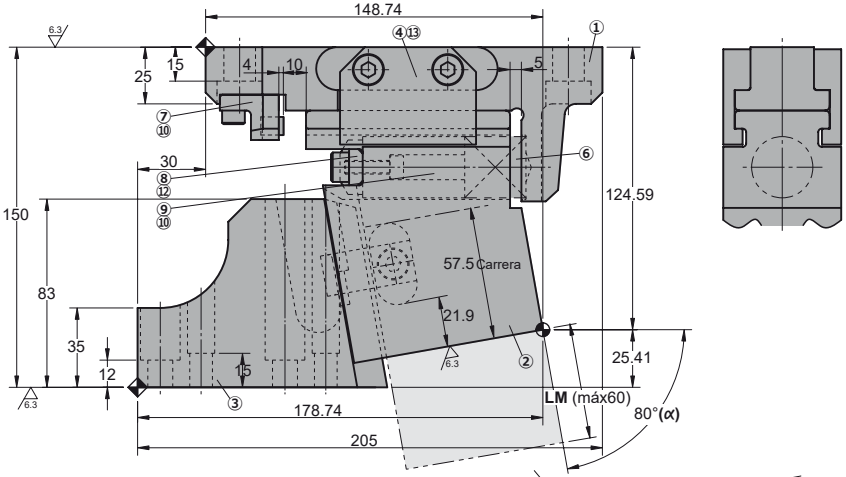
ATFA 0052

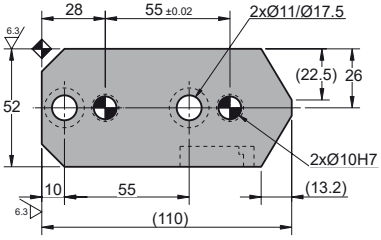
Aerial cam for pierce

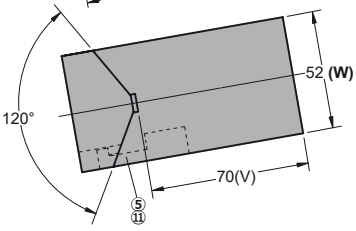
AZOL GAS

ATFA 0052 80

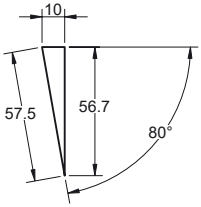




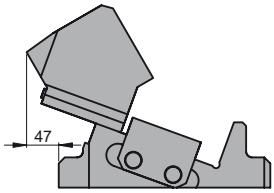




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.5	14.7 (1.5)	29.4 (3.0)	436.1 (44.5)	981.2 (100.1)	7.7	ATFA	0052	80

Order: Model (W) (α)

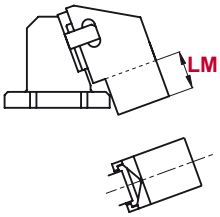
ATFA 0052 80

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ATFA 0052 80-LM50

SPARE PARTS:
⑥ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return	1	CK45
⑥	Coil Spring	1	TL27-45
⑦	Rear Stopper	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Screw	3	M6 x 20
⑪	Screw	1	M8 x 15
⑫	Screw	2	M8 x 25
⑬	Screw	4	M6 x 16

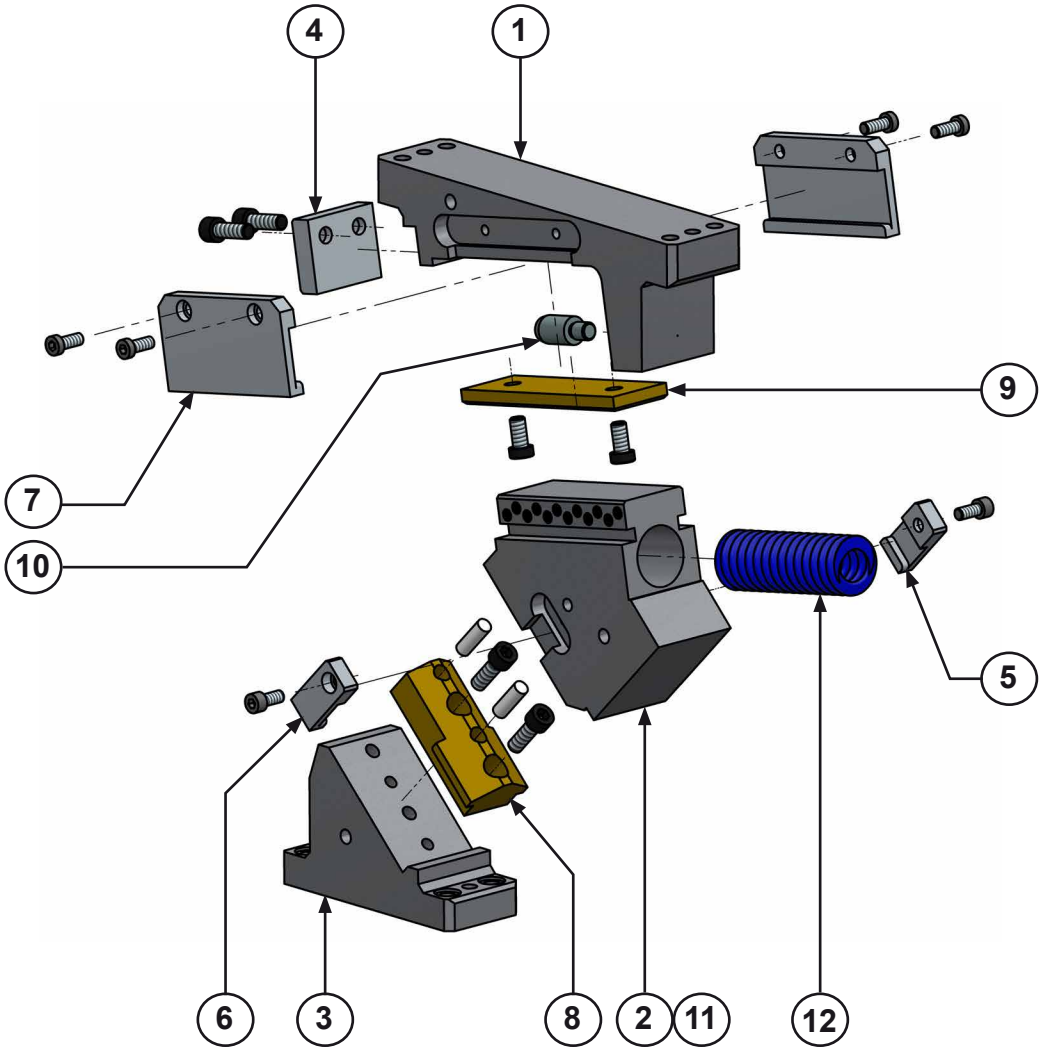
ATFA 0052

Aerial cam for pierce

AZOL GAS

ATFA 0065

Aerial cam for pierce

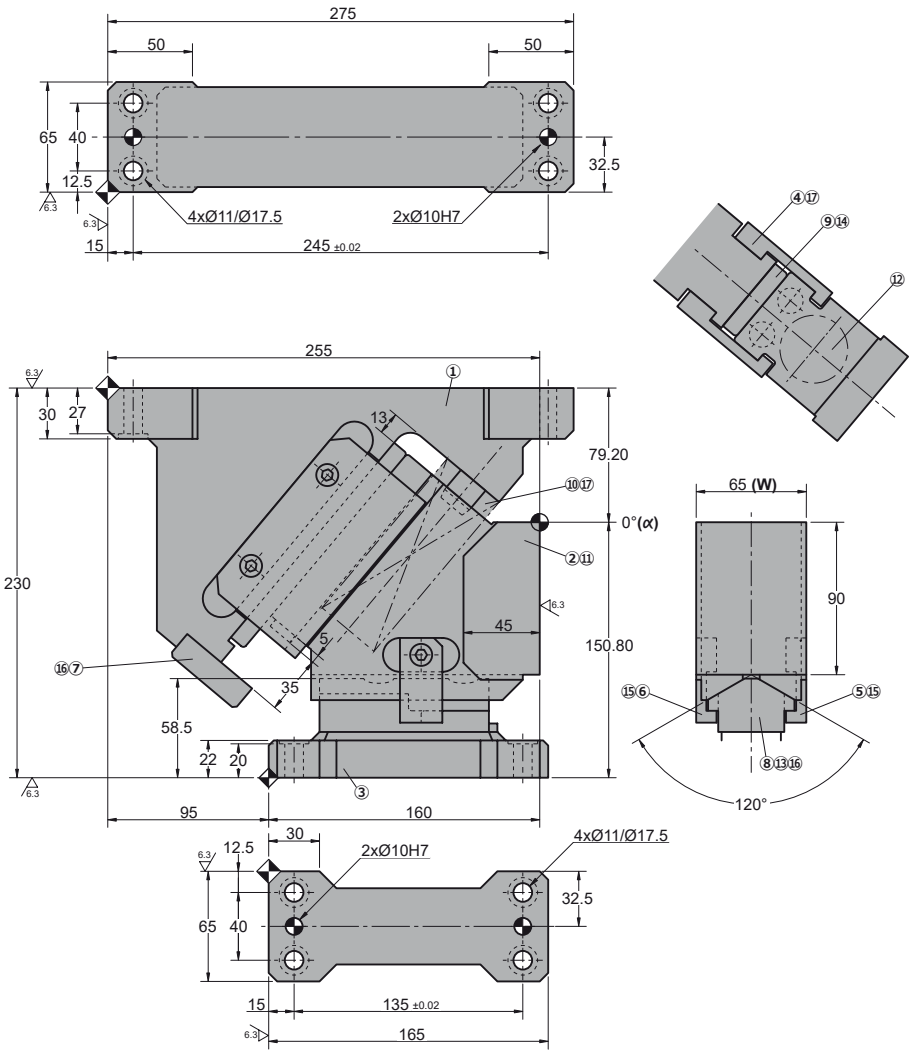


ATFA 0065

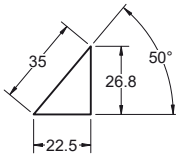
Aerial cam for pierce

AZOL GAS

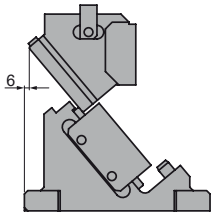
ATFA 0065 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
22.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.4	ATFA	0065	00

Order: Model (W) (α)

ATFA 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

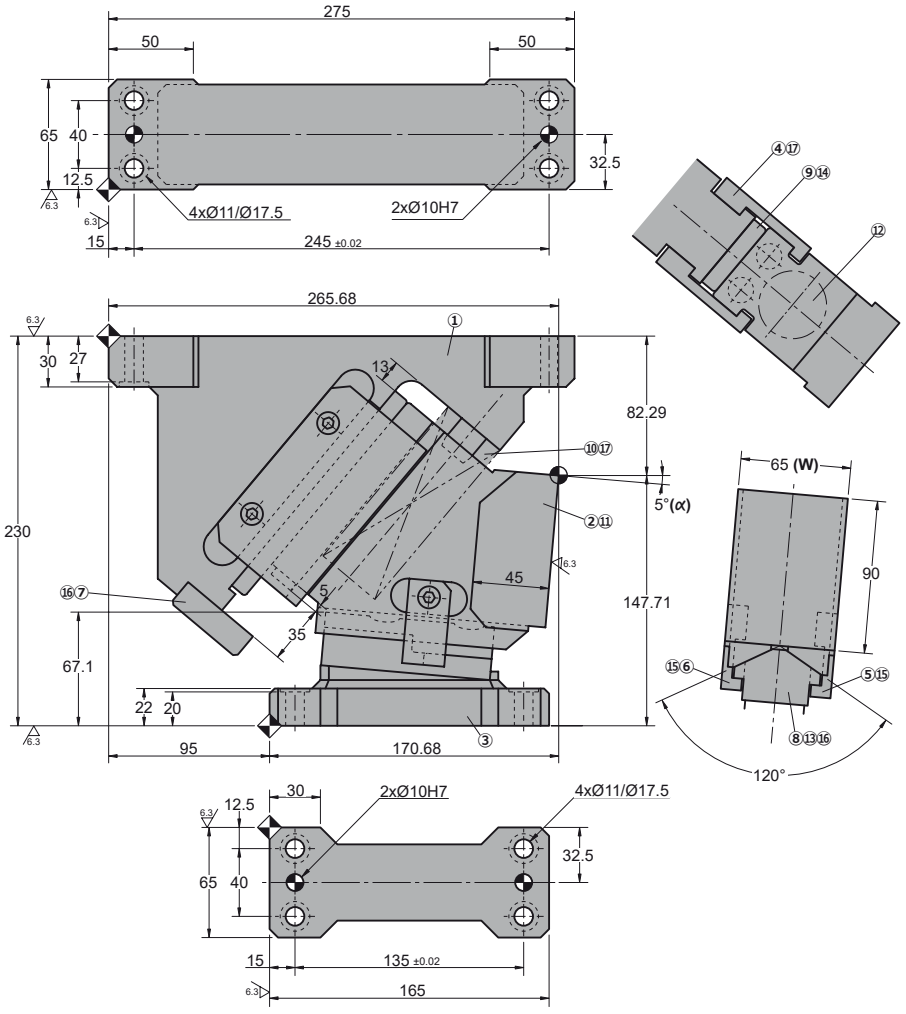
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

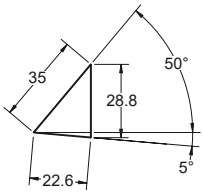
Aerial cam for pierce

AZOL GAS

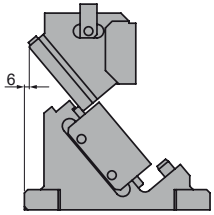
ATFA 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
22.6	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	18.6	ATFA	0065	05

Order: Model (W) (α)

ATFA 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

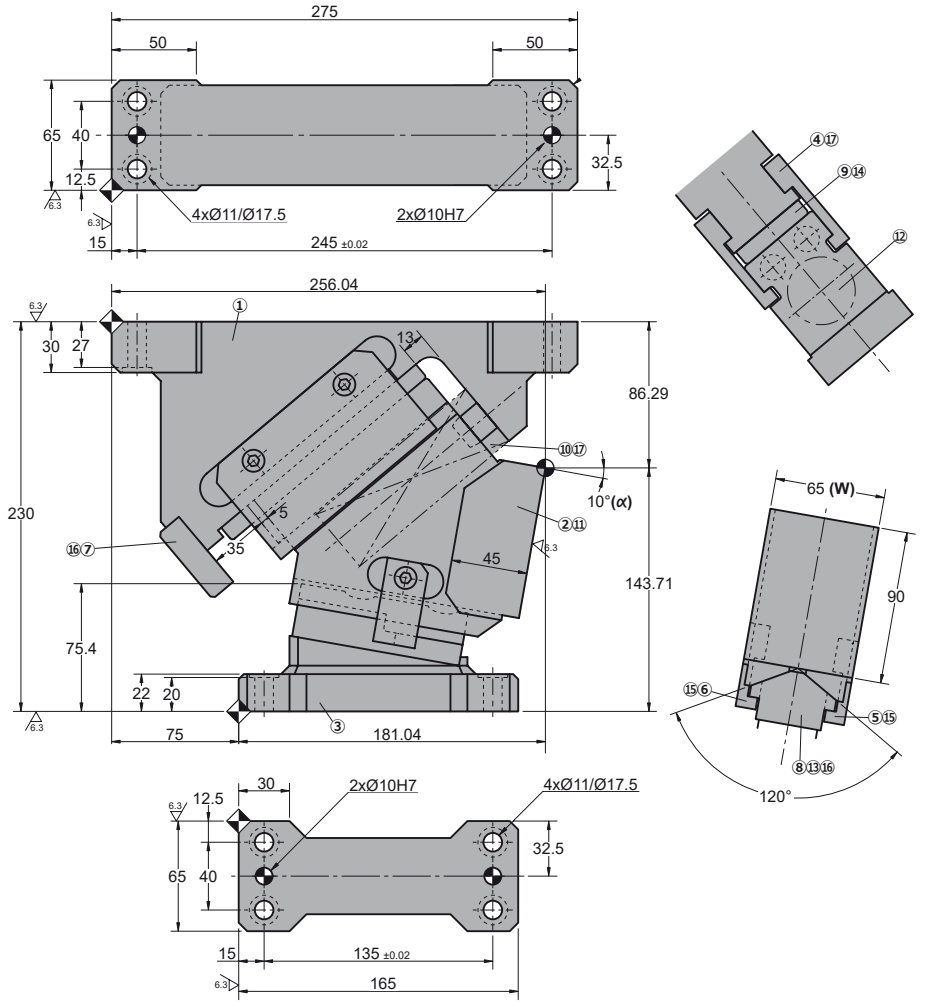
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

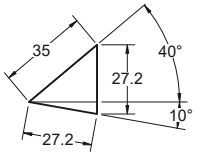
Aerial cam for pierce

AZOL GAS

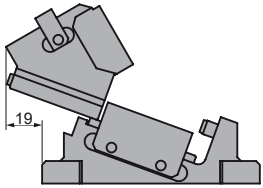
ATFA 0065 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
27.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.4	ATFA	0065	10

Order: Model (W) (α)

ATFA 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

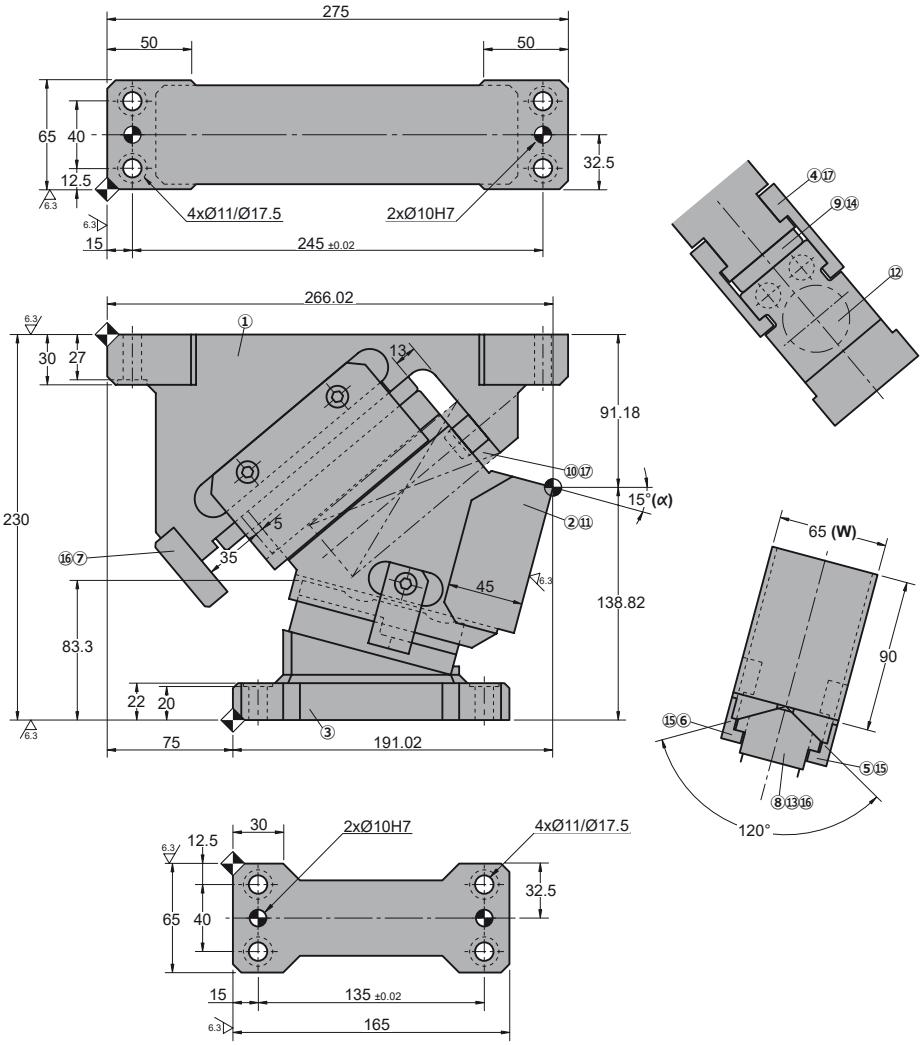
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

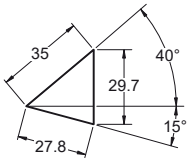
Aerial cam for pierce

AZOL GAS

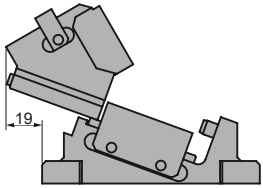
ATFA 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
27.8	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.5	ATFA	0065	15

Order: Model (W) (α)

ATFA 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

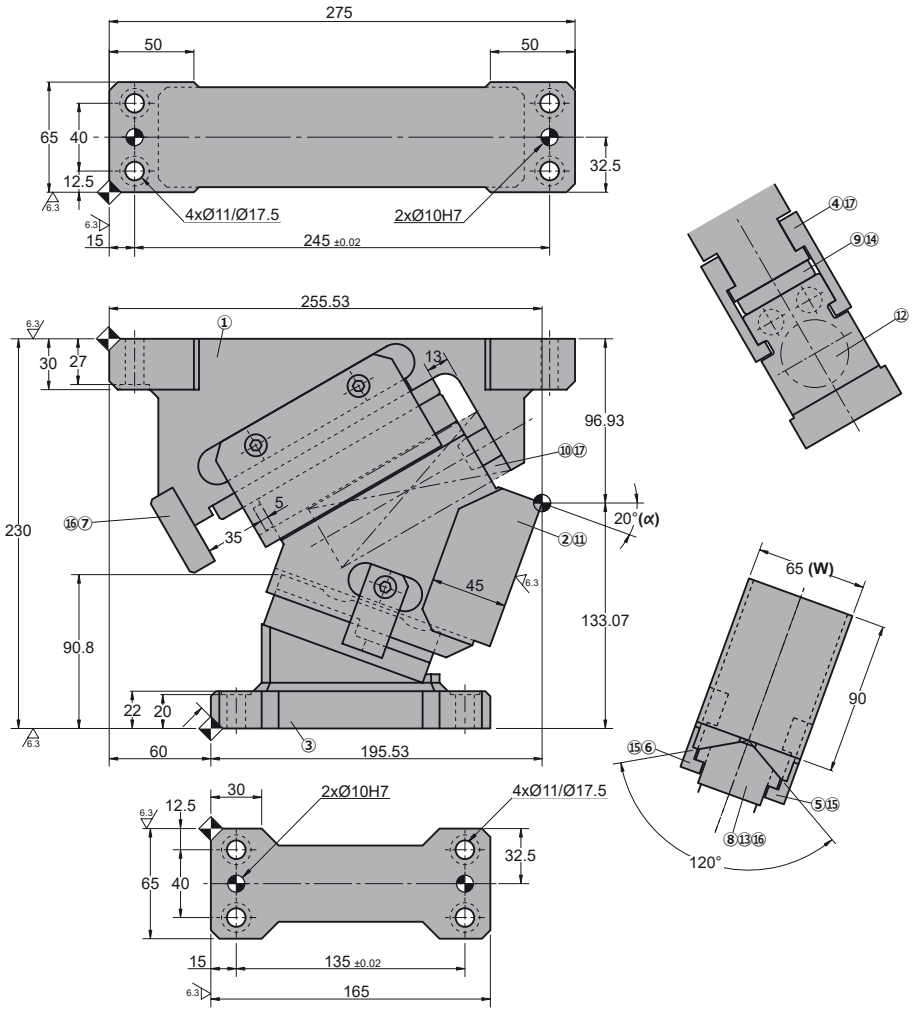
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

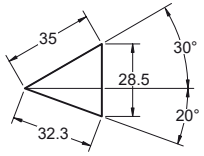
Aerial cam for pierce

AZOL GAS

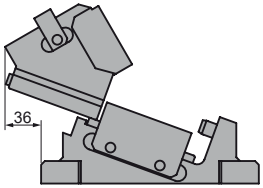
ATFA 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
32.3	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	ATFA	0065	20

Order: Model (W) (α)

ATFA 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

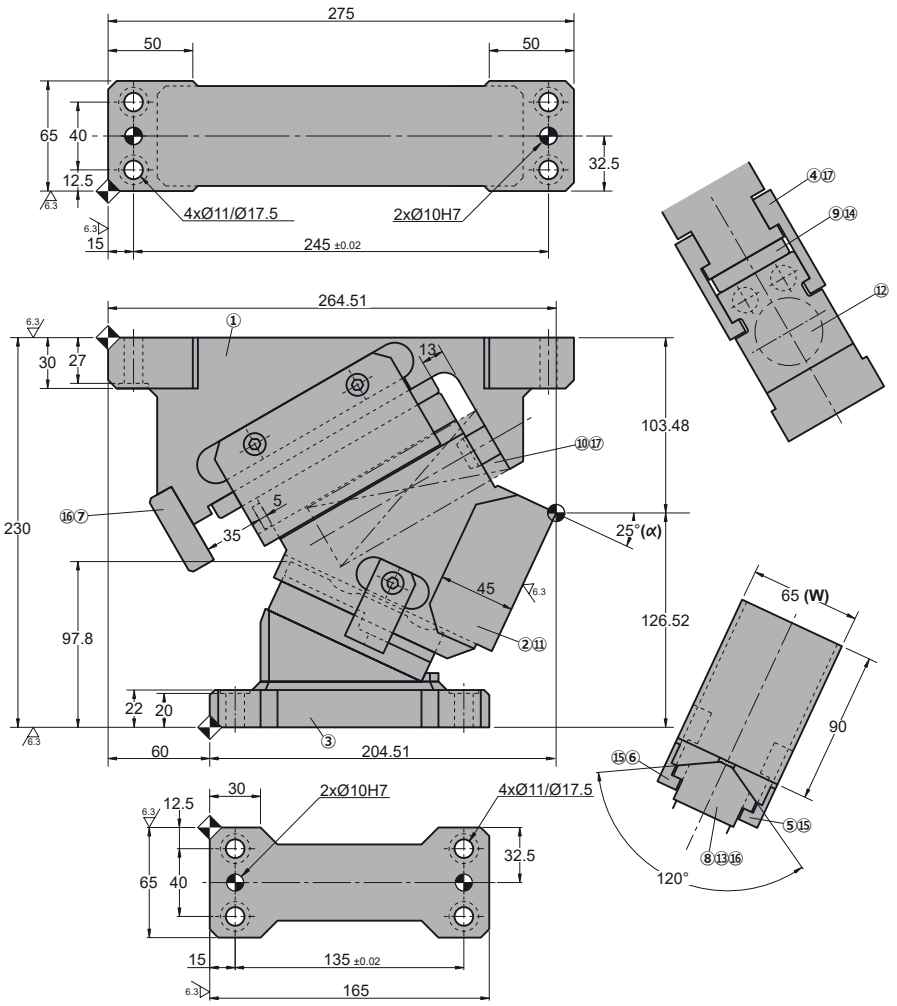
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

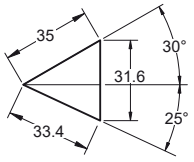
Aerial cam for pierce

AZOL GAS

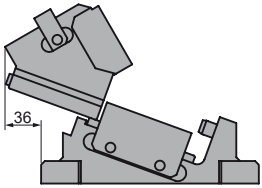
ATFA 0065 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.4	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.8	ATFA	0065	25

Order: Model (W) (α)

ATFA 0065 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

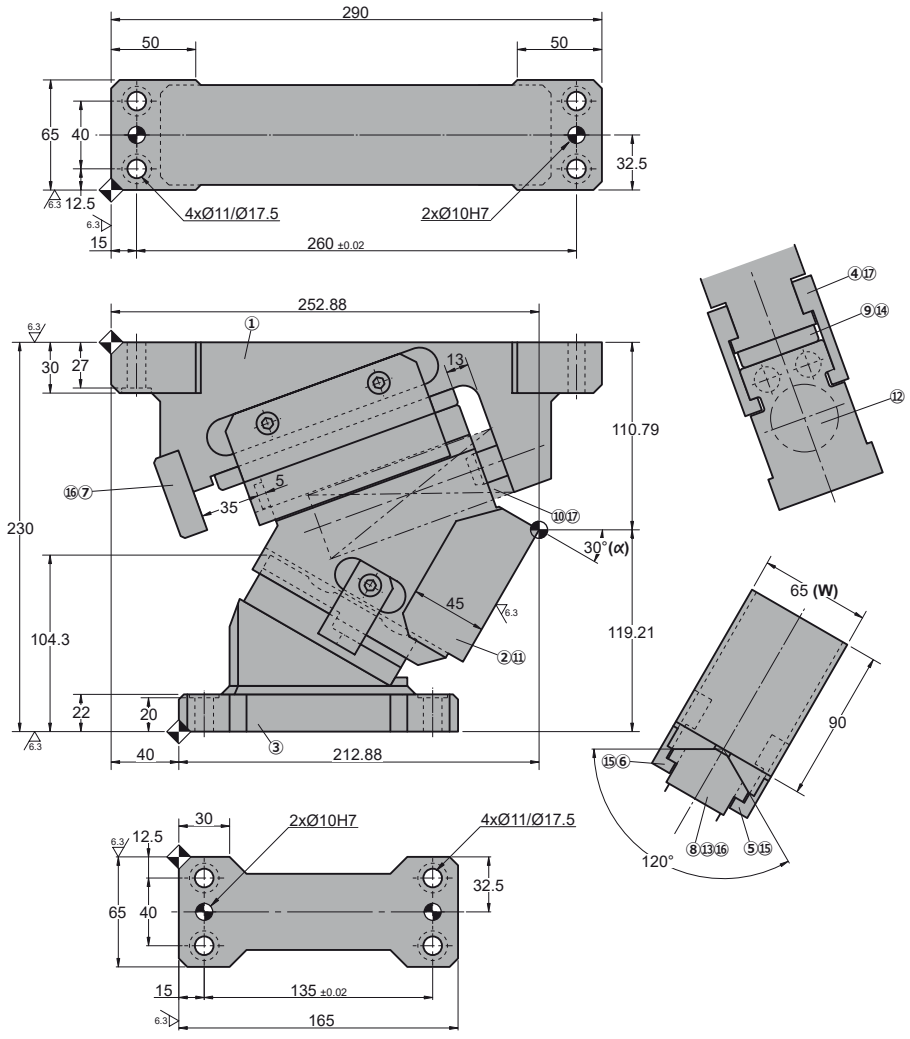
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

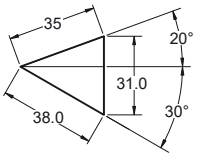
Aerial cam for pierce

AZOL GAS

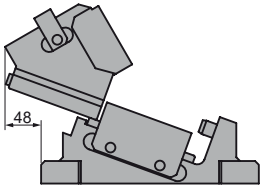
ATFA 0065 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
38.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.9	ATFA	0065	30

Order: Model (W) (α)

ATFA 0065 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

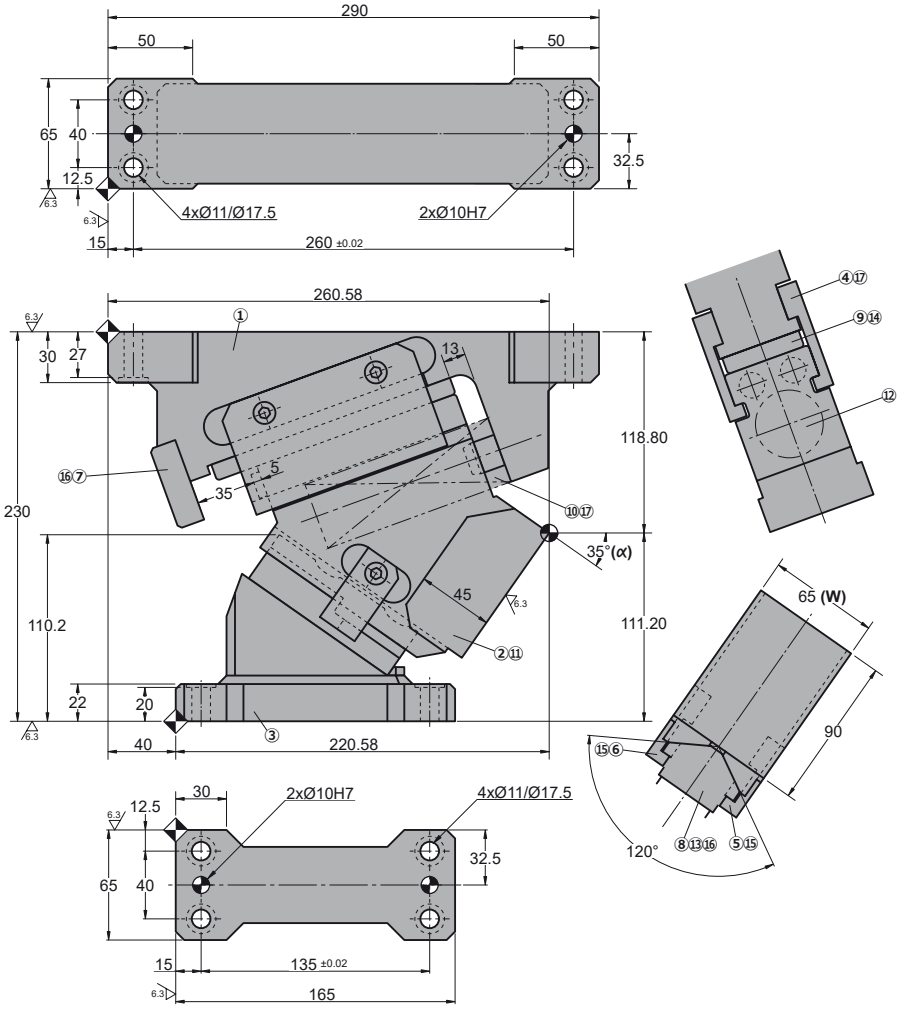
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

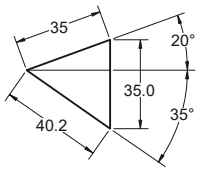
Aerial cam for pierce

AZOL GAS

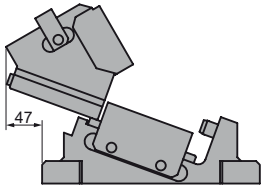
ATFA 0065 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
40.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	17.0	ATFA	0065	35

Order: Model (W) (α)

ATFA 0065 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

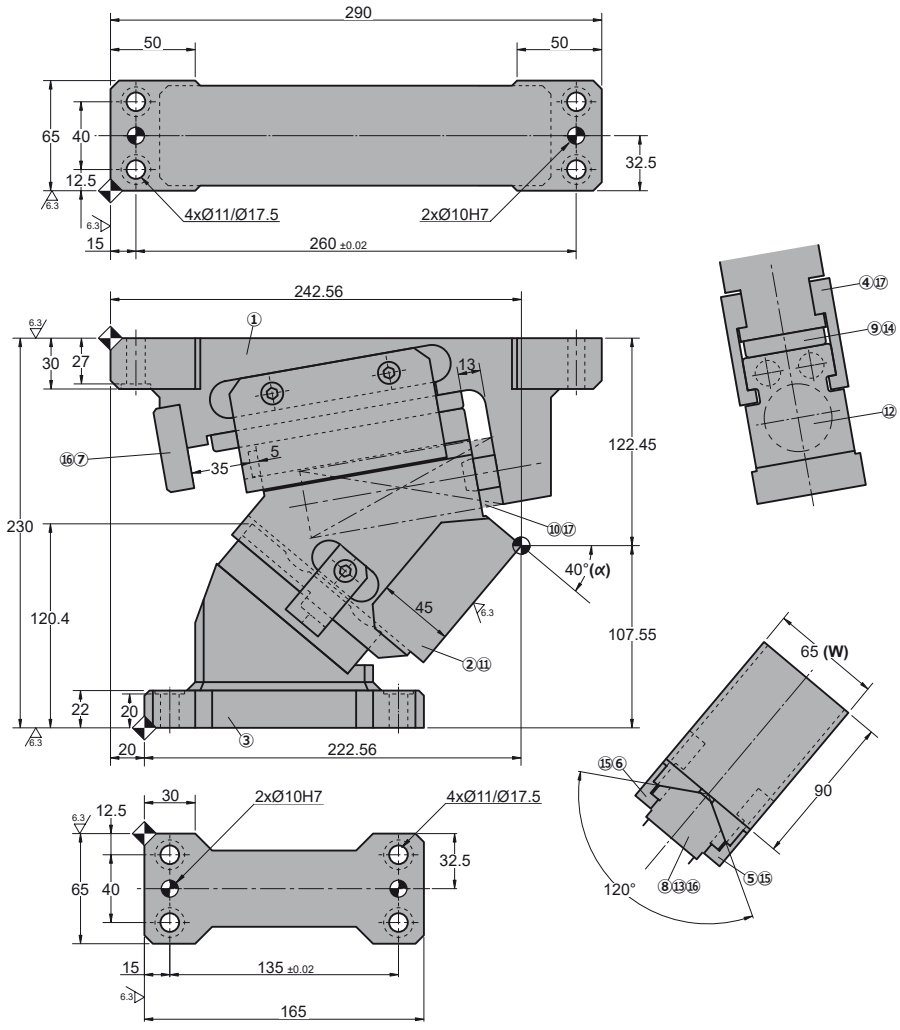
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

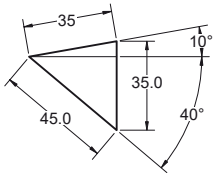
Aerial cam for pierce

AZOL GAS

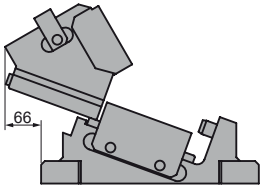
ATFA 0065 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
45.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	ATFA	0065	40

Order: Model (W) (α)

ATFA 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
⑧ Slider guide
⑨ Holder Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

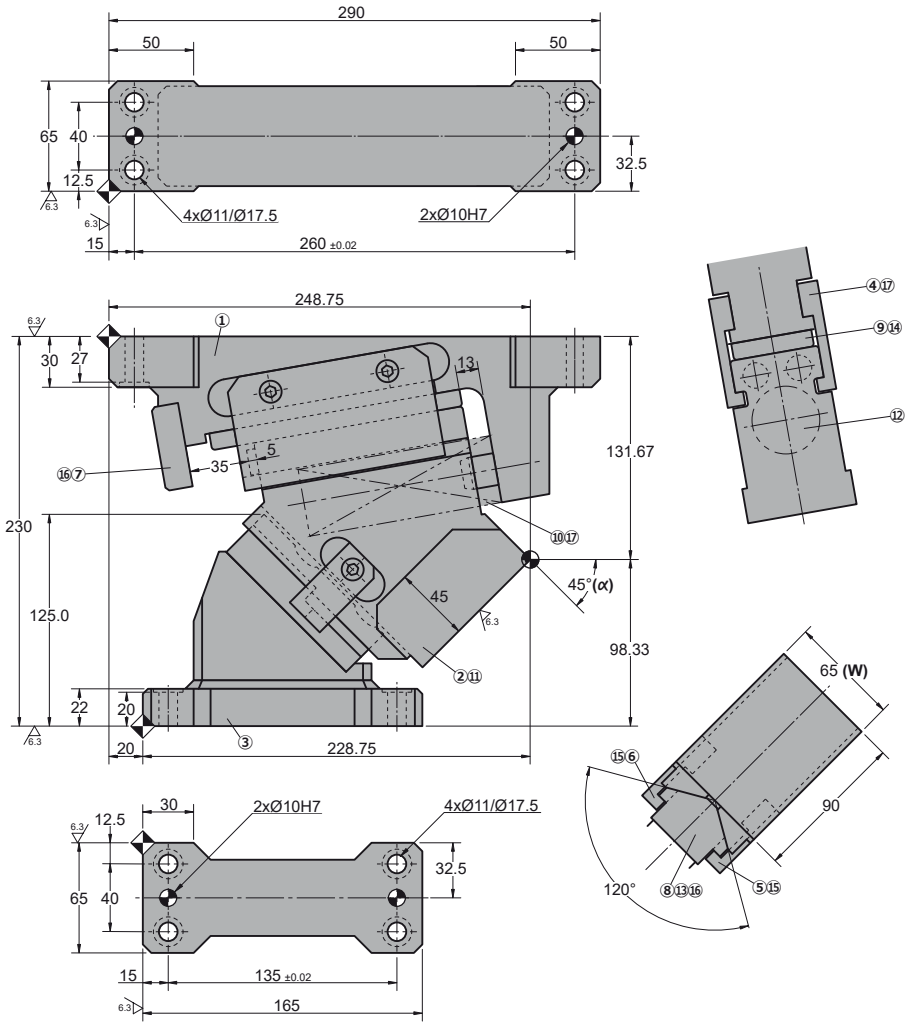
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

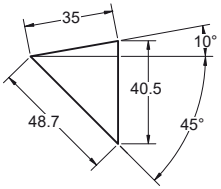
Aerial cam for pierce

AZOL GAS

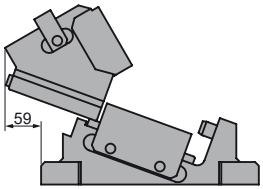
ATFA 0065 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
48.7	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.6	ATFA	0065	45

Order: Model (W) (α)

ATFA 0065 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

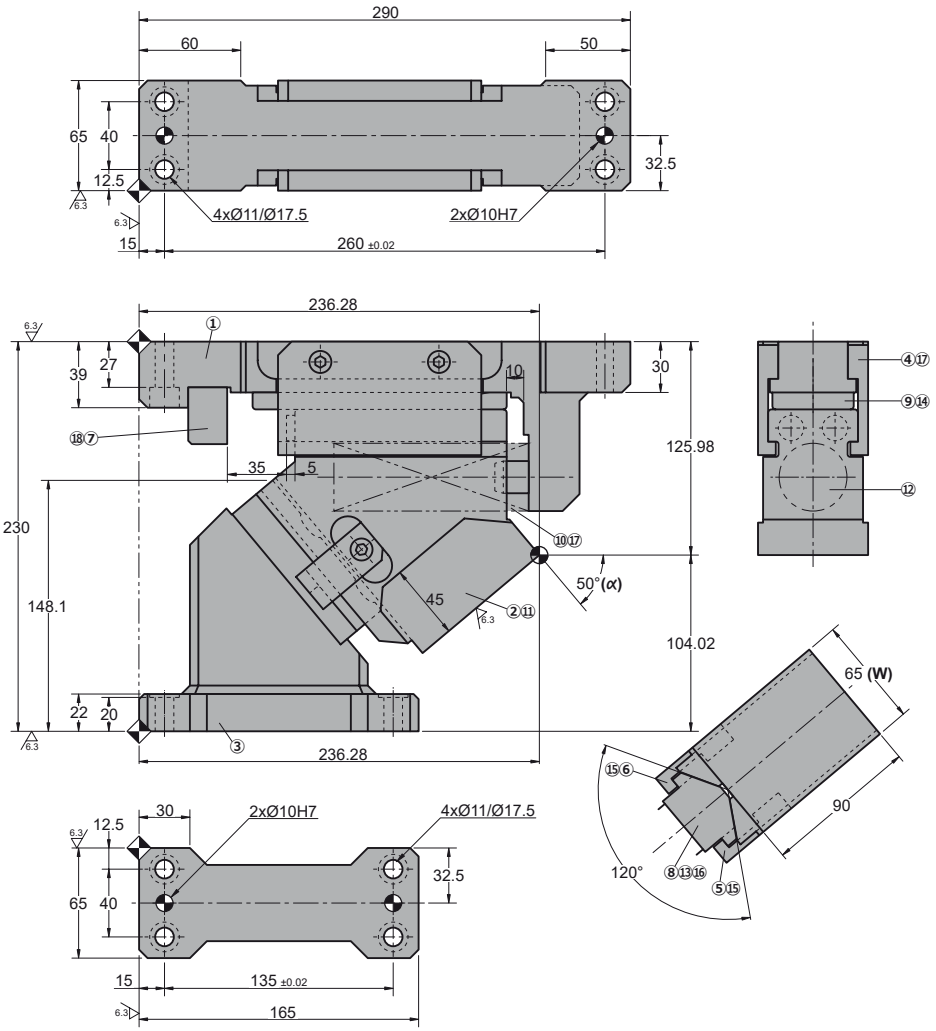
No.	Description	Qty.	Material
⑯	Screw	4	M10 x 30
⑰	Screw	5	M8 x 20

ATFA 0065

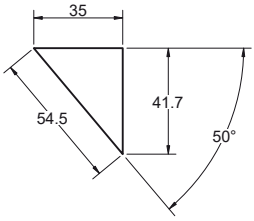
Aerial cam for pierce

AZOL GAS

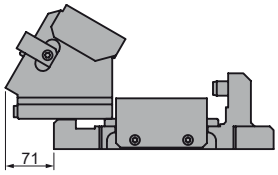
ATFA 0065 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	15.9	ATFA	0065	50

Order: Model (W) (α)

ATFA 0065 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

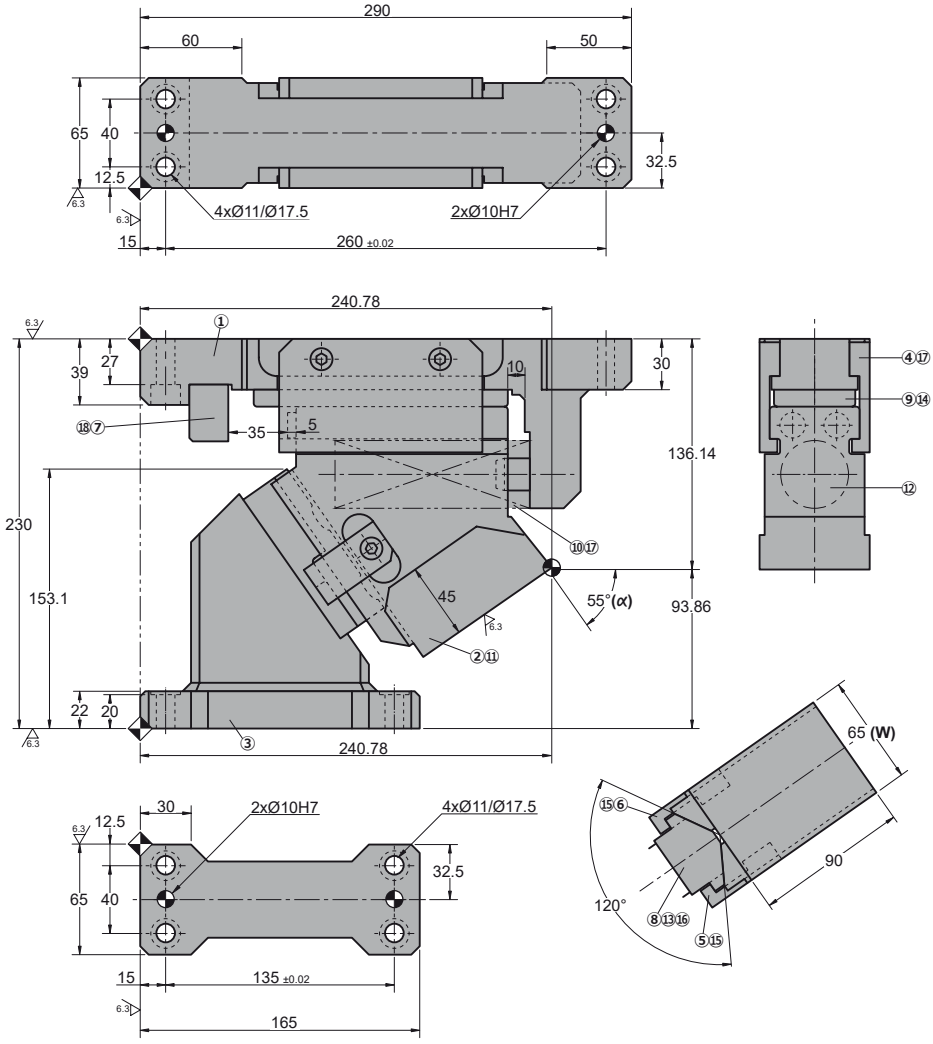
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

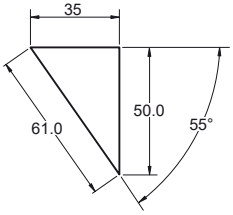
Aerial cam for pierce

AZOL GAS

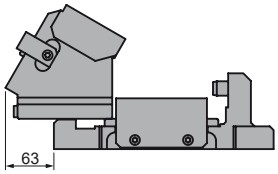
ATFA 0065 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
61.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.1	ATFA	0065	55

Order: Model (W) (α)

ATFA 0065 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

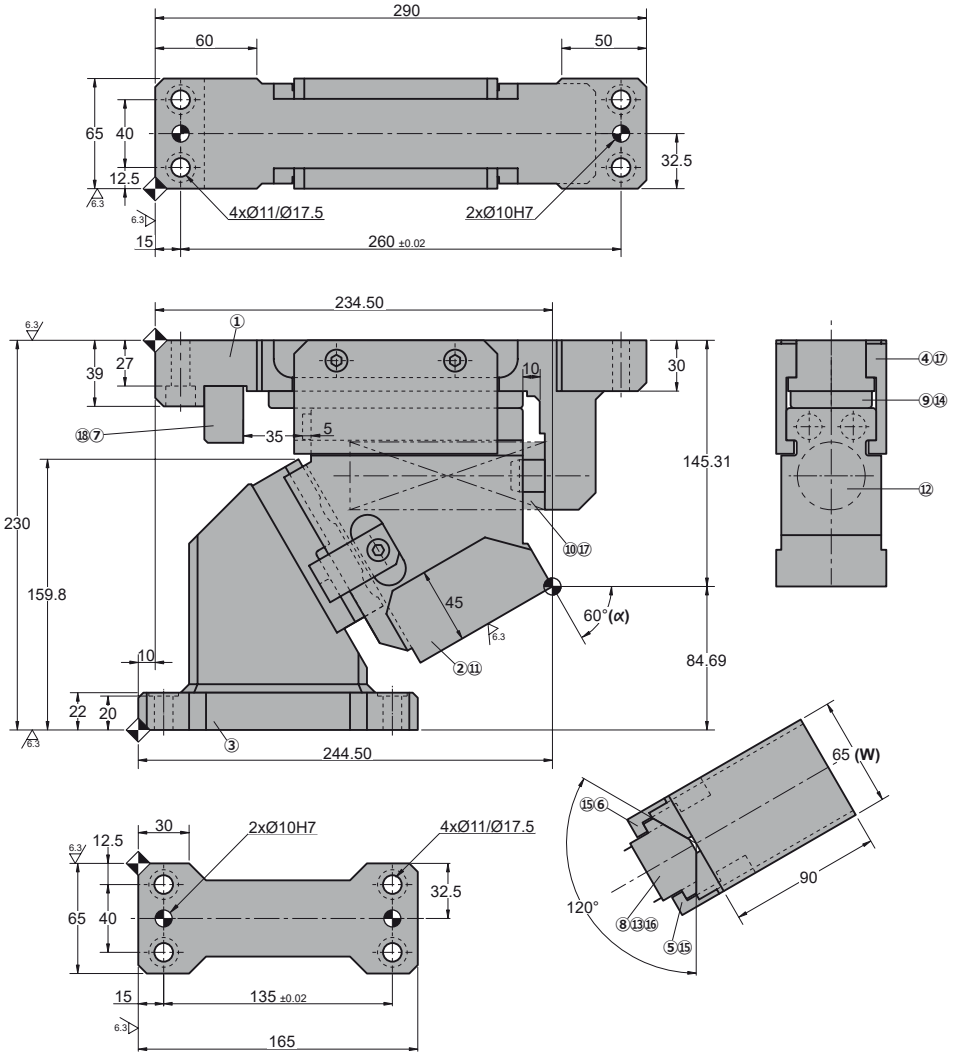
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

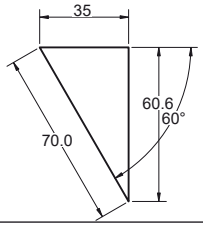
Aerial cam for pierce

AZOL GAS

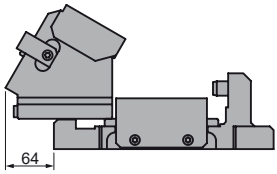
ATFA 0065 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
70.0	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5988.5 (610.7)	16.4	ATFA	0065	60

Order: Model (W) (α)

ATFA 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-152
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

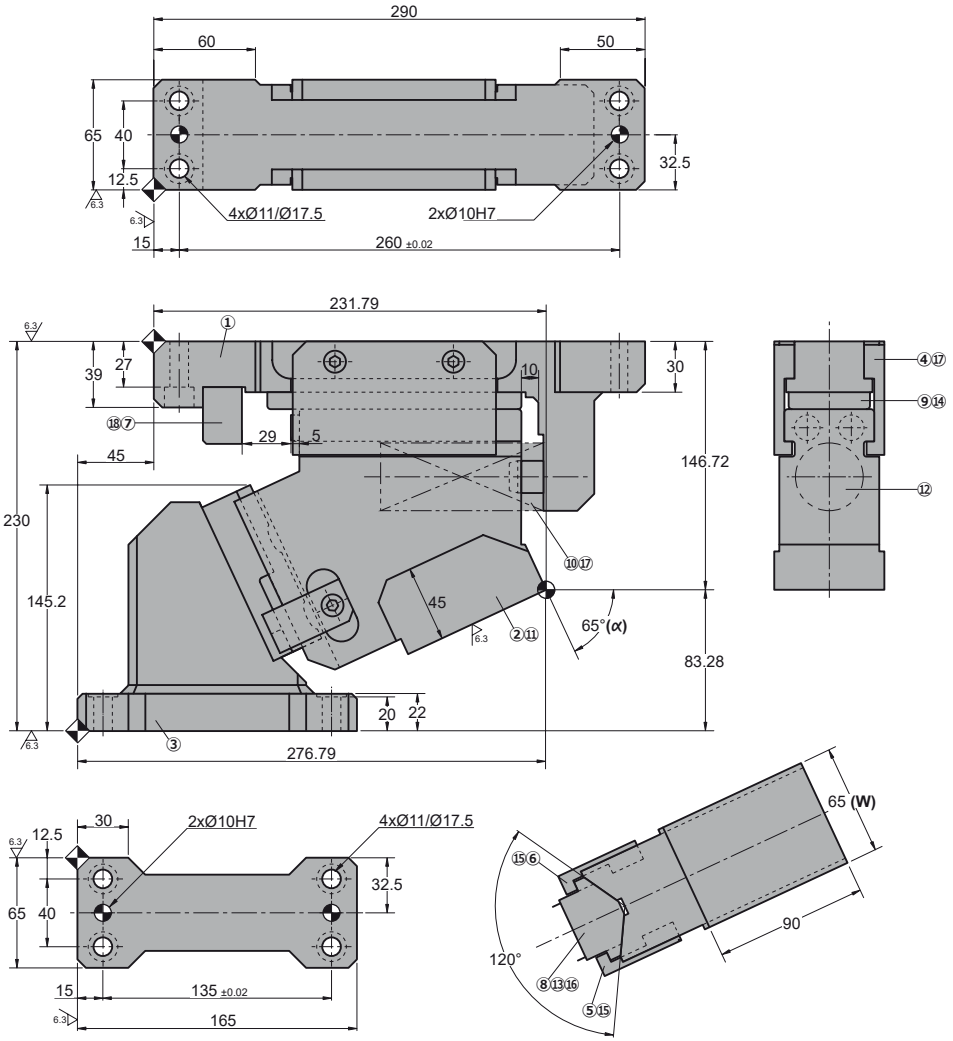
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

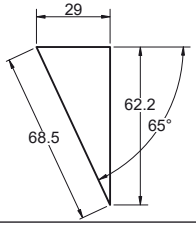
Aerial cam for pierce

AZOL GAS

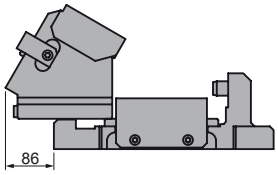
ATFA 0065 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
68.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5936.3 (605.3)	18.0	ATFA	0065	65

Order: Model (W) (α)

ATFA 0065 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-127
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

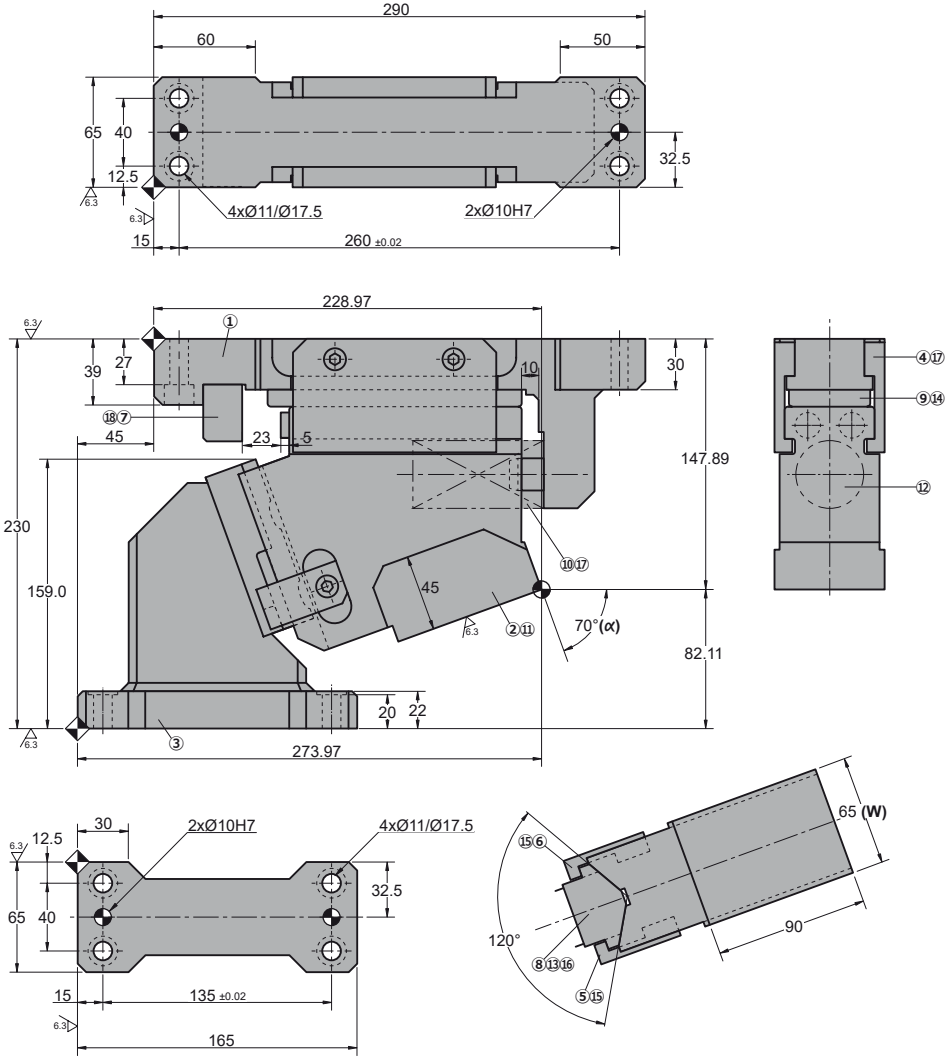
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

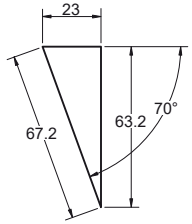
Aerial cam for pierce

AZOL GAS

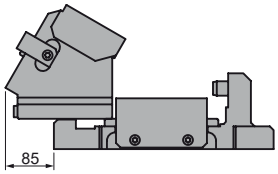
ATFA 0065 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
67.2	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5862.7 (597.8)	18.0	ATFA	0065	70

Order: Model (W) (α)

ATFA 0065 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-102
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

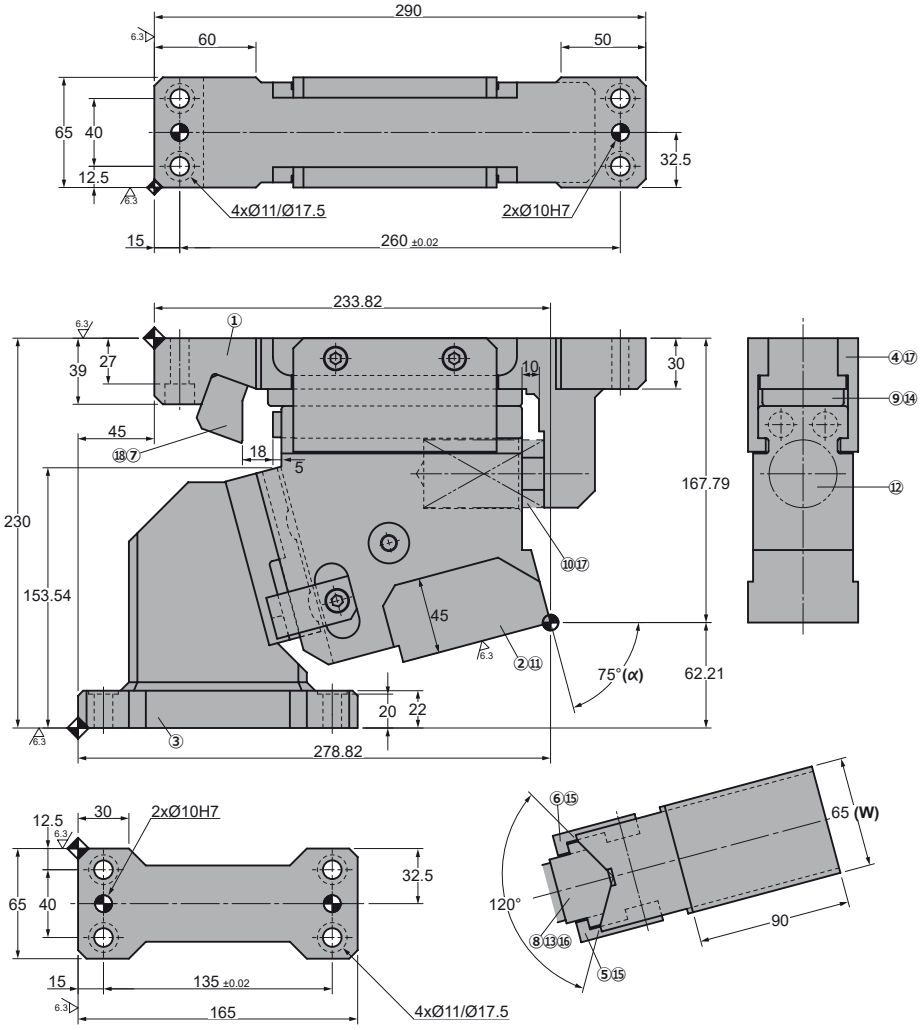
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

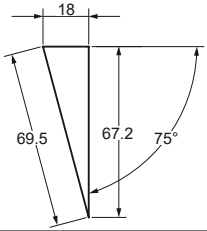
Aerial cam for pierce

AZOL GAS

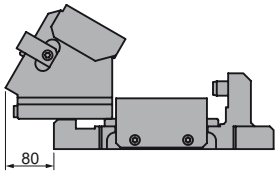
ATFA 0065 75



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ATFA 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
69.5	68.7 (7.0)	137.3 (14.0)	0.0 (0.0)	5257.8 (536.1)	20.0	ATFA	0065	75

Order: Model (W) (α)

ATFA 0065 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
- ⑧ Slider guide
- ⑨ Holder Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50 + G
②	Cam Slider	1	GGG50
③	Cam Driver	1	GGG50
④	Slide Plate	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Positive Return A	1	CK45
⑦	Rear Stopper	1	CK22
⑧	Slider guide	1	Bronze + G
⑨	Holder Plate	1	Bronze + G
⑩	Spring guide	1	CK45
⑪	Stopper	2	Urethane
⑫	Coil Spring	1	TJB40-89
⑬	Dowel Pin	2	Ø10 x 30
⑭	Small Head Screw	2	M10 x 20
⑮	Small Head Screw	2	M8 x 18

No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	5	M8 x 20
⑱	Screw	2	M10 x 40

ATFA 0065

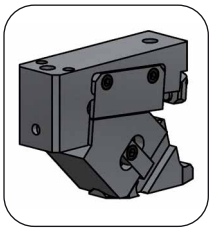
Aerial cam for pierce

AZOL GAS

ASDR

Aerial cam for pierce

General information



ASDR 0052

- **Aerial cam.**
- **Angles from 0° to 50° with increments of 5°.**
- **“V” shaped sliding for auto-centered.**
- **Compact design.**
- **Longer stroke than ATFA 52.**

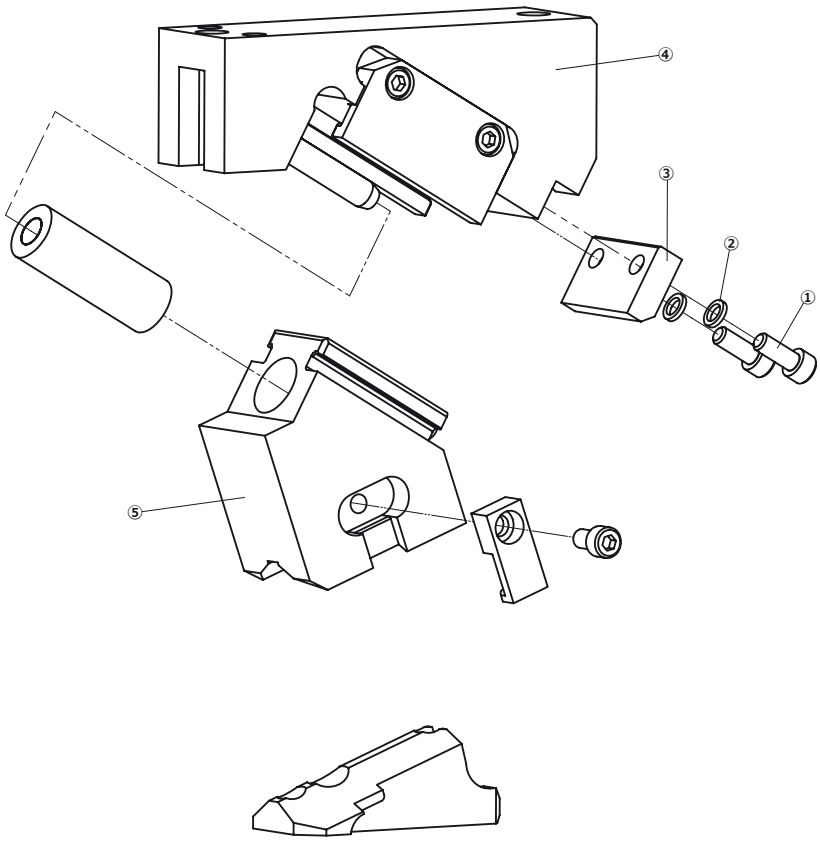
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

Assembling process

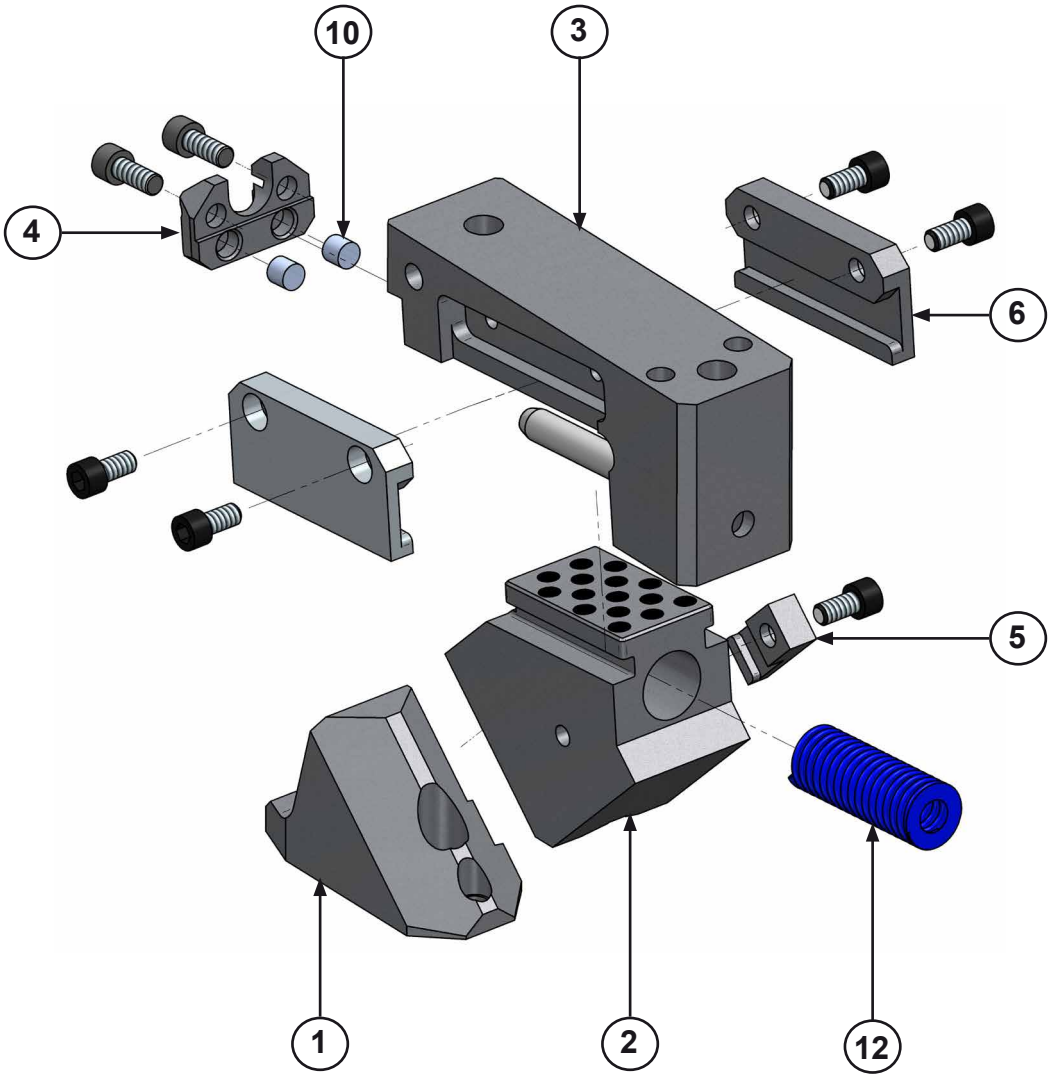
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



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ASDR 0052

Aerial cam for pierce

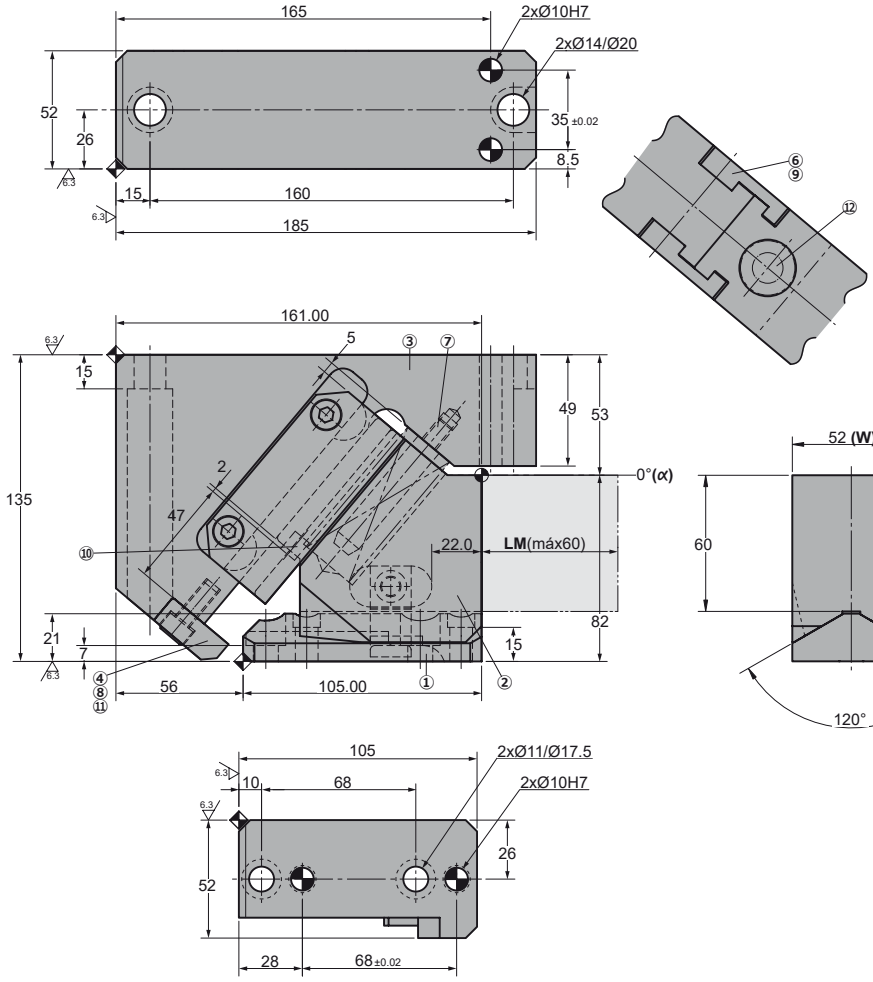


ASDR 0052

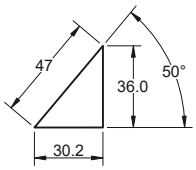
Aerial cam for pierce

AZOL GAS

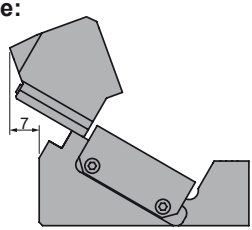
ASDR 0052 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
30.2	14.7 (1.5)	29.4 (3.0)	0	901.6 (91.9)	6.4	ASDR	0052	00

Order: Model (W) (α)

ASDR 0052 00

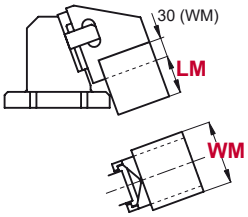
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 00-LM35

ASDR 0052 00-WM

ASDR 0052 00-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

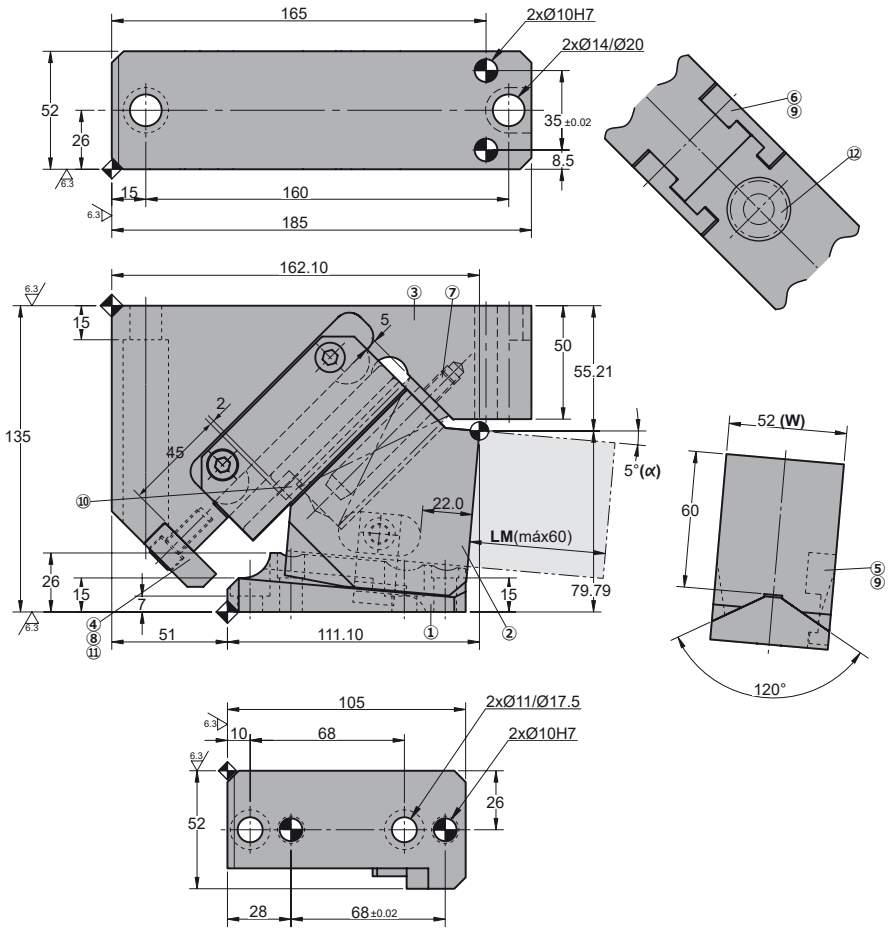
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

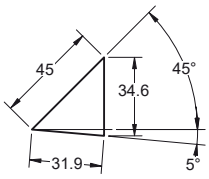
Aerial cam for pierce

AZOL GAS

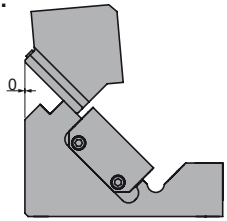
ASDR 0052 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
31.9	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	6.1	ASDR	0052	05

Order: Model (W) (α)

ASDR 0052 05

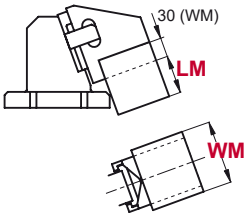
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 05-LM35
ASDR 0052 05-WM
ASDR 0052 05-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

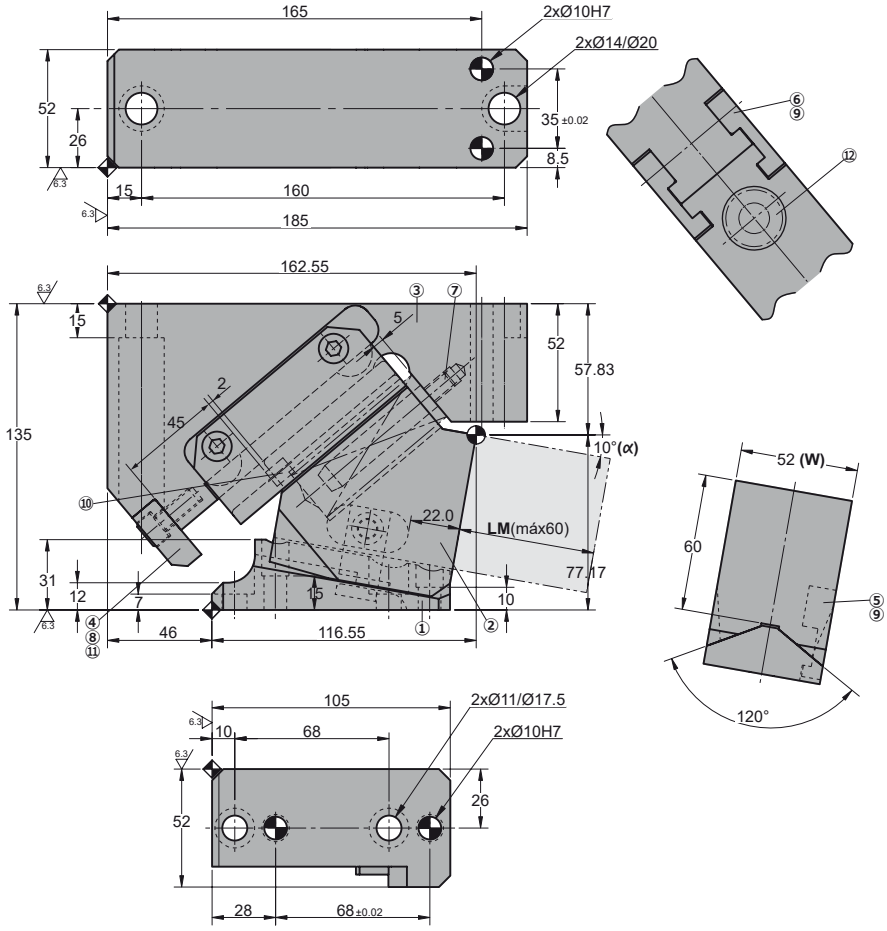
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

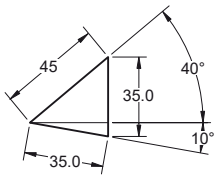
Aerial cam for pierce

AZOL GAS

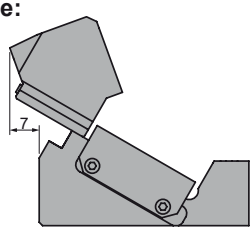
ASDR 0052 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	6.0	ASDR	0052	10

Order: Model (W) (α)

ASDR 0052 10

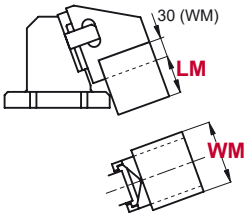
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 10-LM35
ASDR 0052 10-WM
ASDR 0052 10-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

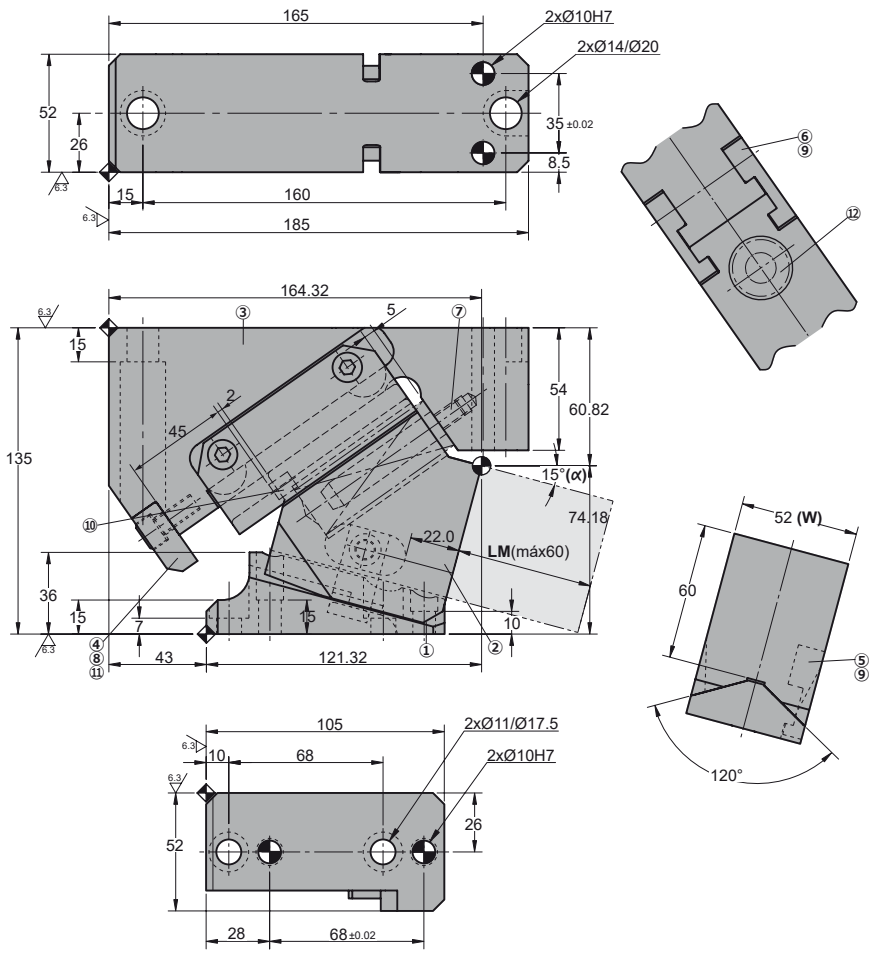
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

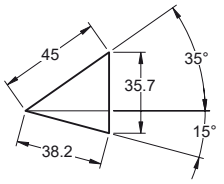
Aerial cam for pierce

AZOL GAS

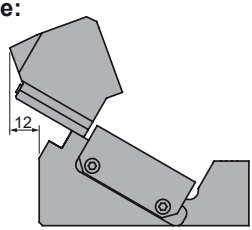
ASDR 0052 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.2	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.8	ASDR	0052	15

Order: Model (W) (α)

ASDR 0052 15

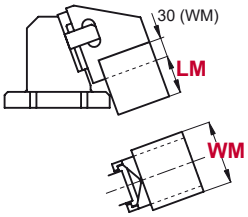
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 15-LM35
ASDR 0052 15-WM
ASDR 0052 15-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

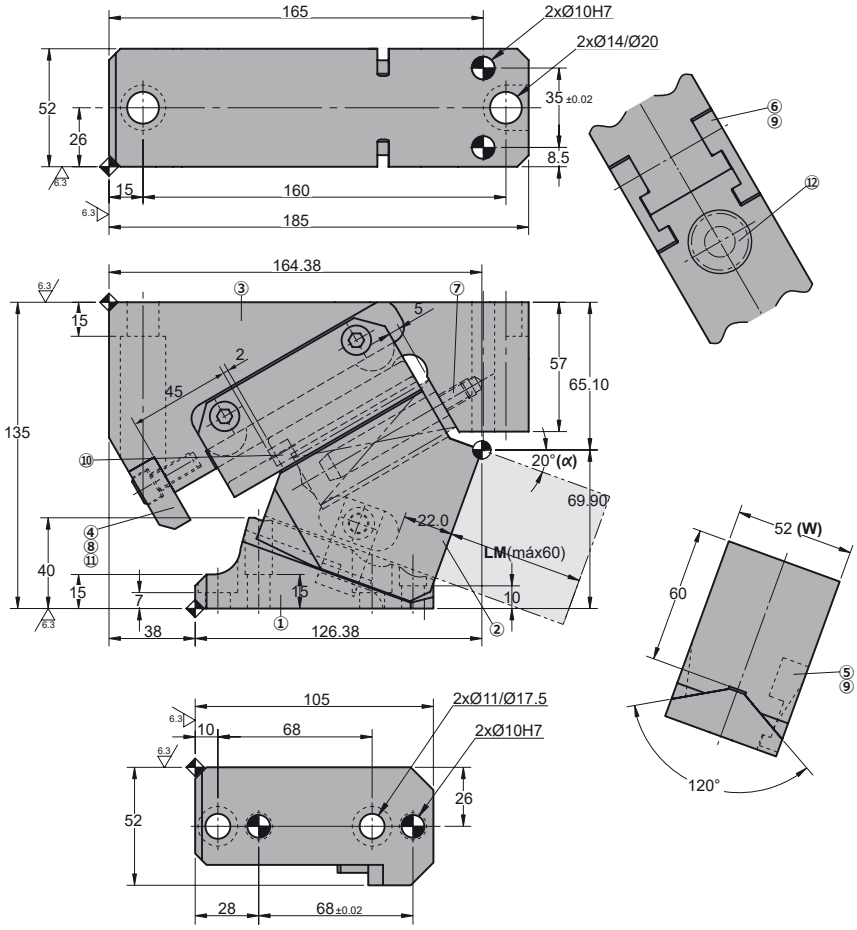
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

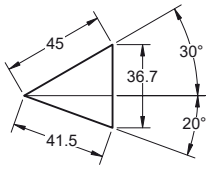
Aerial cam for pierce

AZOL GAS

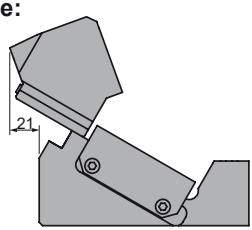
ASDR 0052 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
41.5	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.7	ASDR	0052	20

Order: Model (W) (α)

ASDR 0052 20

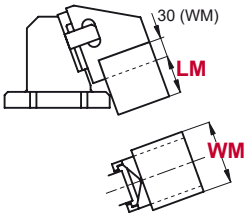
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 20-LM35

ASDR 0052 20-WM

ASDR 0052 20-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

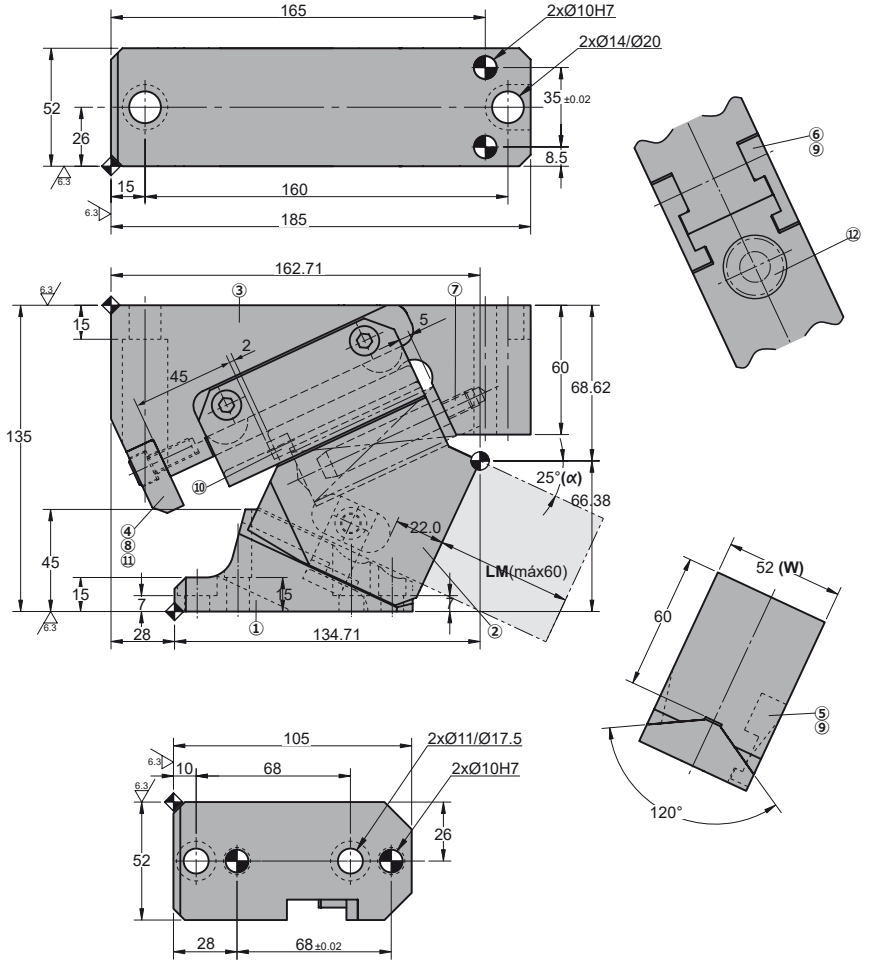
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

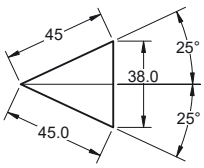
Aerial cam for pierce

AZOL GAS

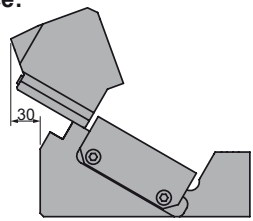
ASDR 0052 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	25

Order: Model (W) (α)

ASDR 0052 25

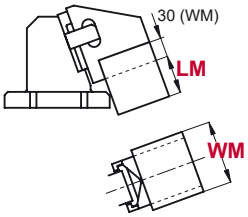
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 25-LM35

ASDR 0052 25-WM

ASDR 0052 25-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

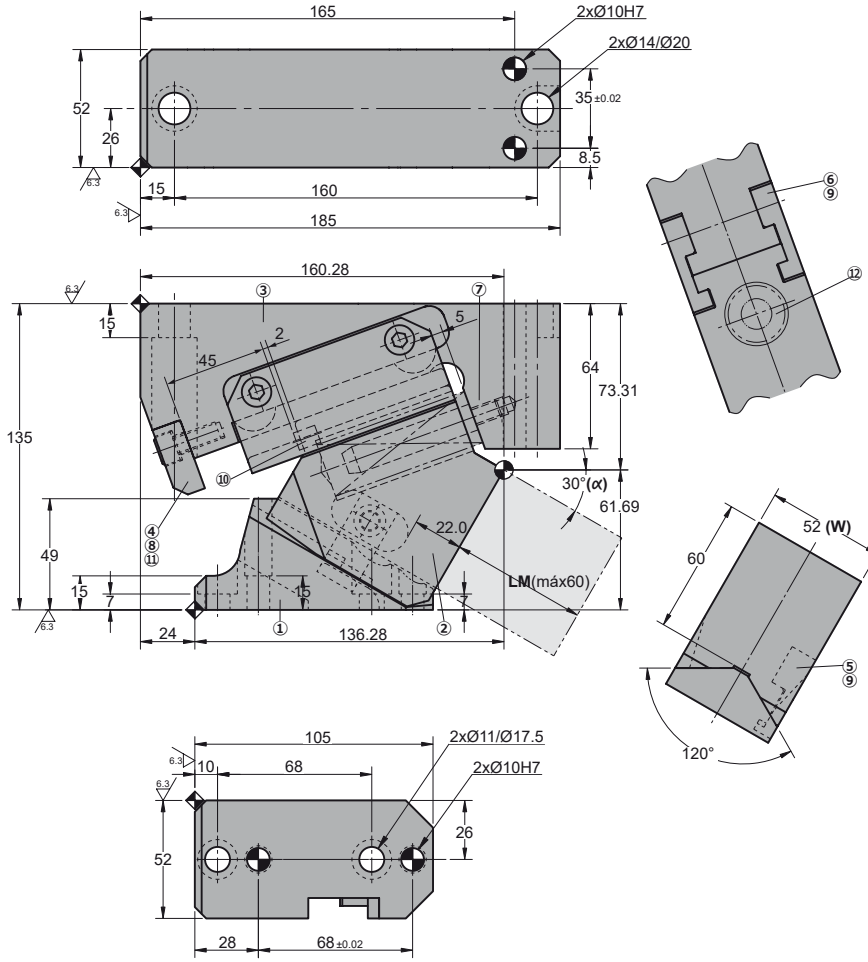
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

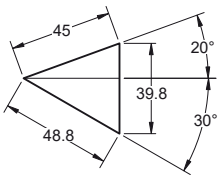
Aerial cam for pierce

AZOL GAS

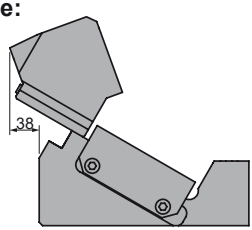
ASDR 0052 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
48.8	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	30

Order: Model (W) (α)

ASDR 0052 30

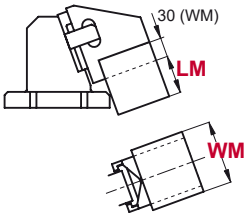
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 30-LM35
ASDR 0052 30-WM
ASDR 0052 30-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

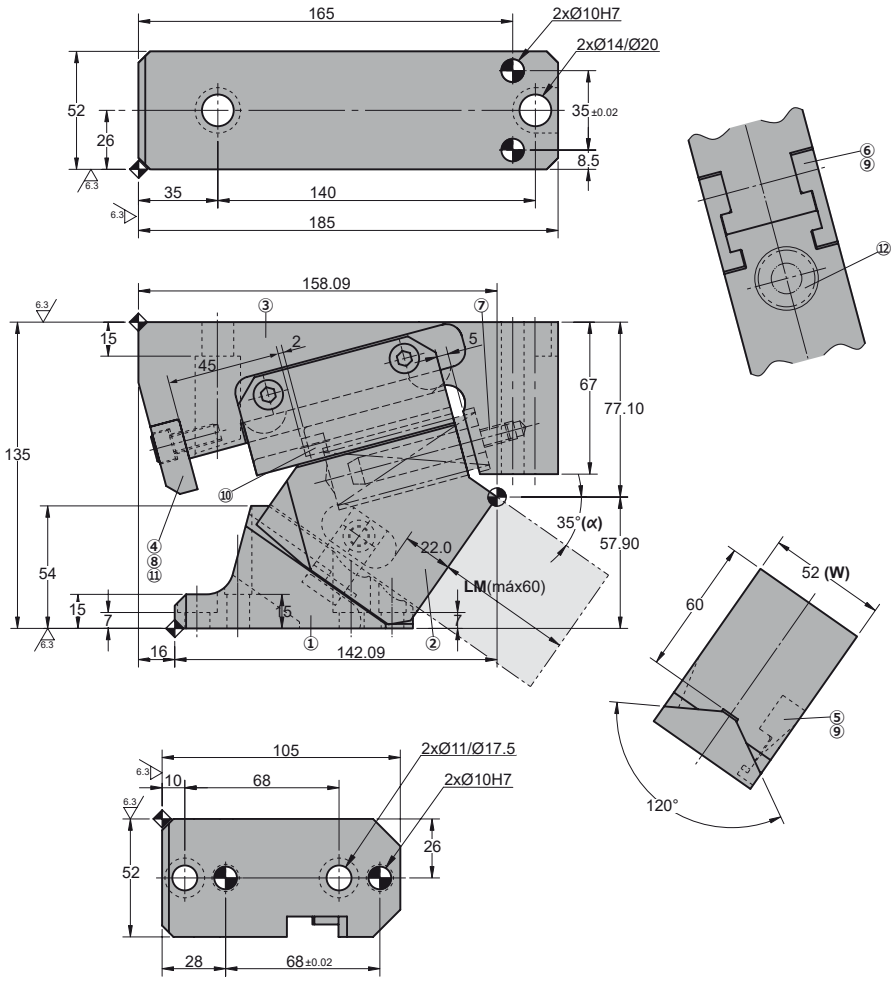
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

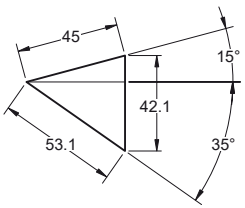
Aerial cam for pierce

AZOL GAS

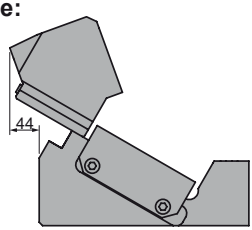
ASDR 0052 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
53.1	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.4	ASDR	0052	35

Order: Model (W) (α)

ASDR 0052 35

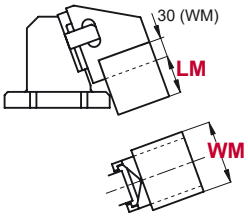
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 35-LM35
ASDR 0052 35-WM
ASDR 0052 35-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

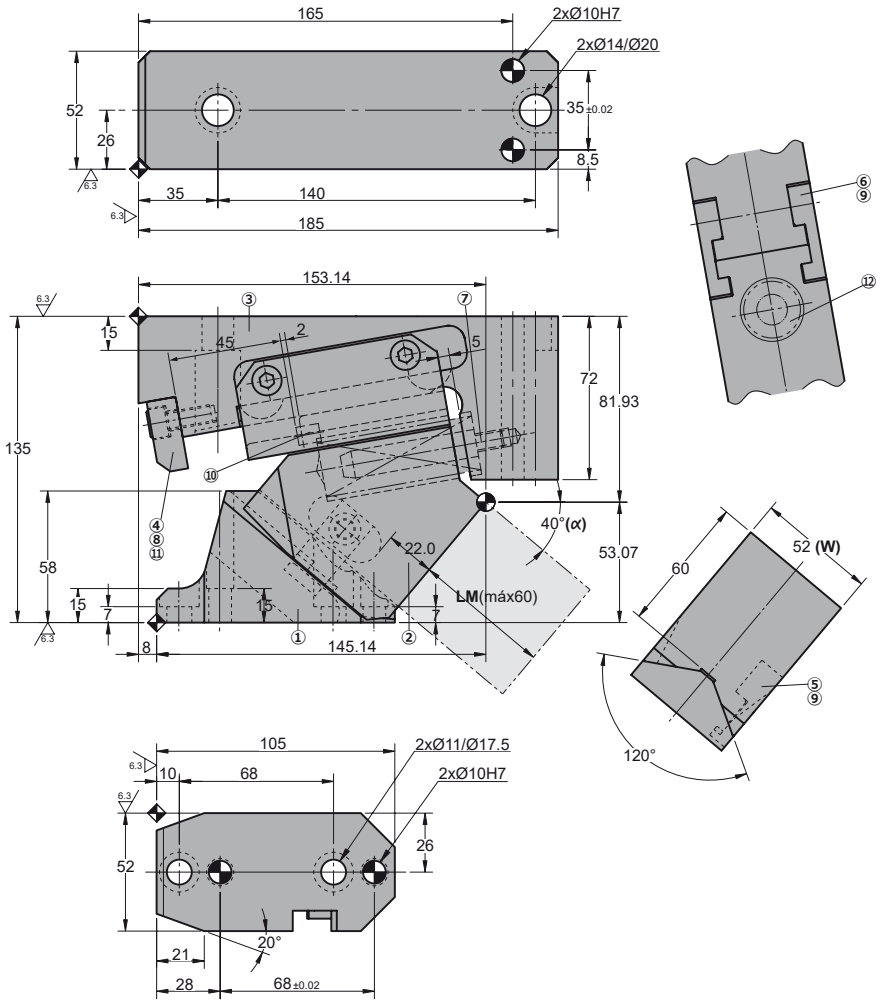
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

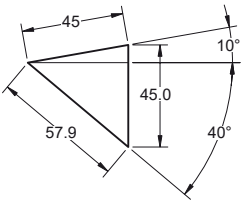
Aerial cam for pierce

AZOL GAS

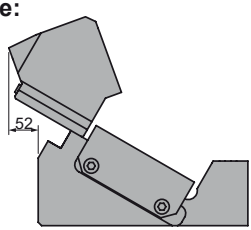
ASDR 0052 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.9	14.7 (1.5)	29.4 (3.0)	19.6 (2.0)	901.6 (91.9)	5.5	ASDR	0052	40

Order: Model (W) (α)

ASDR 0052 40

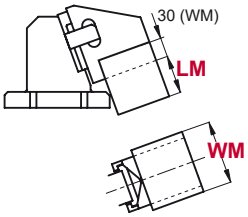
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 40-LM35

ASDR 0052 40-WM

ASDR 0052 40-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

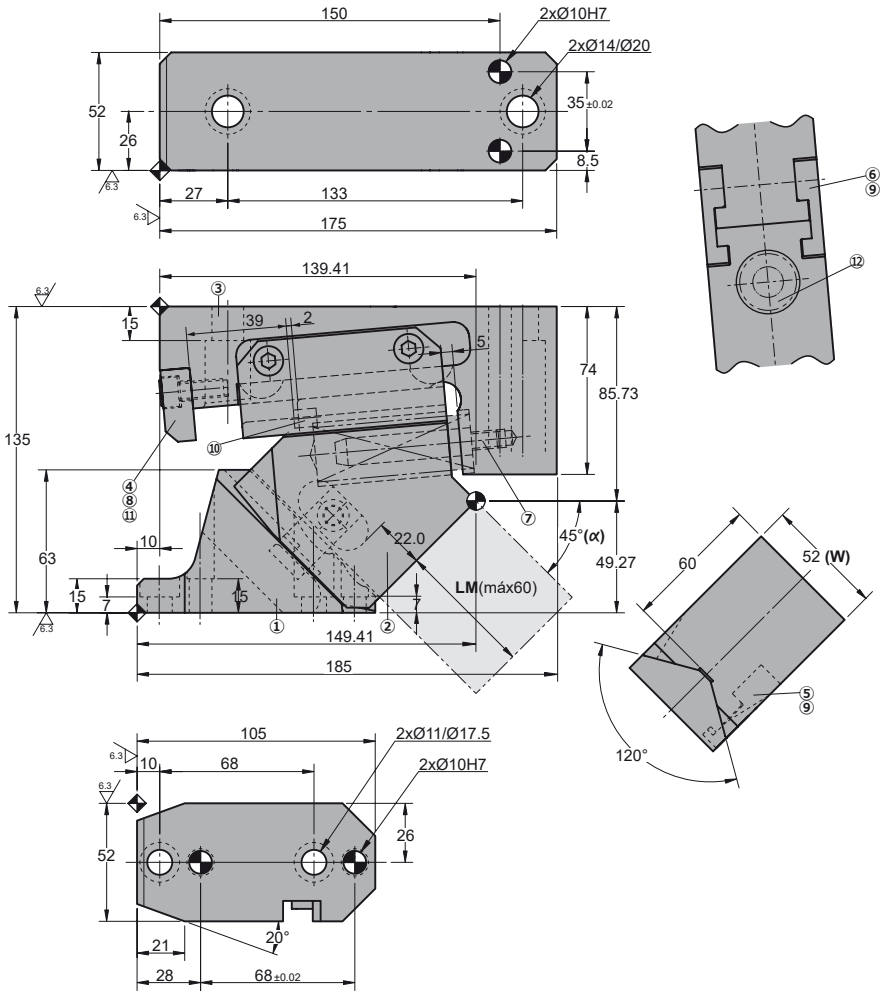
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

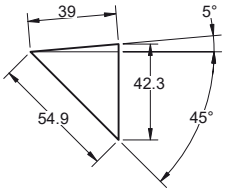
Aerial cam for pierce

AZOL GAS

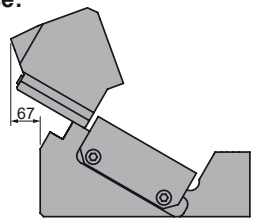
ASDR 0052 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.9	14.7 (1.5)	29.4 (3.0)	137.2 (14.0)	901.6 (91.9)	5.3	ASDR	0052	45

Order: Model (W) (α)

ASDR 0052 45

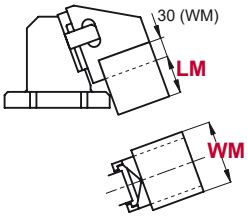
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 45-LM35
ASDR 0052 45-WM
ASDR 0052 45-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

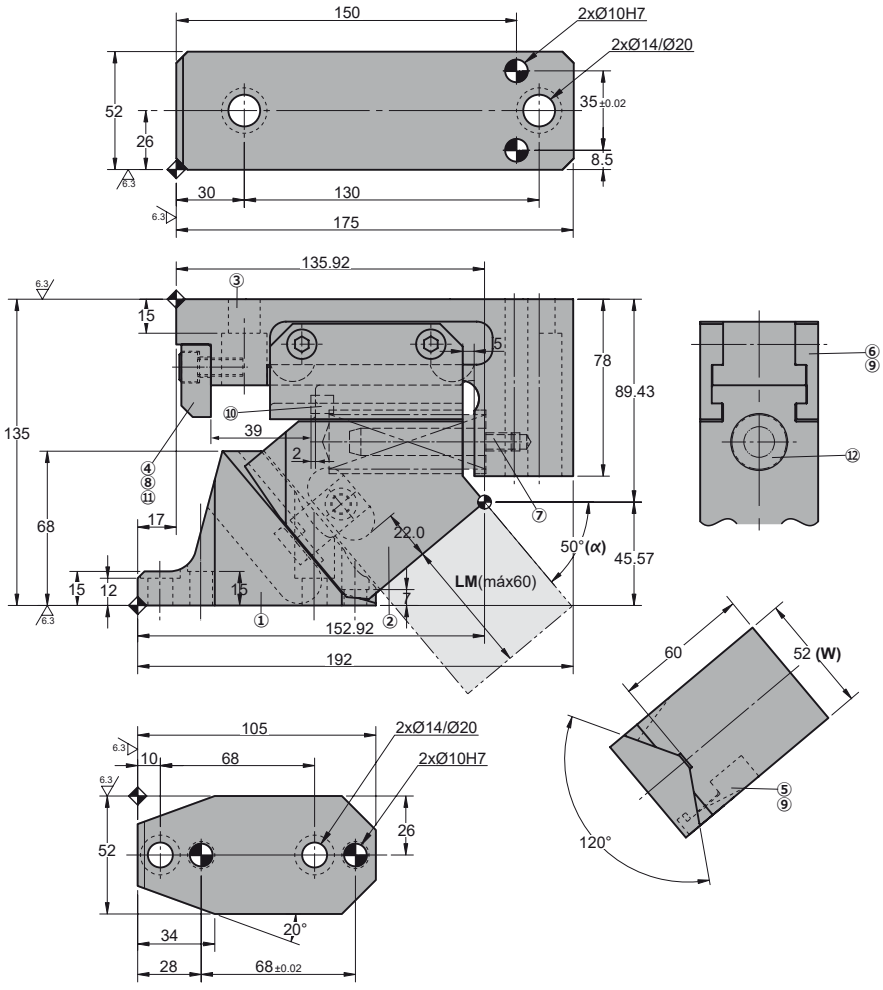
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

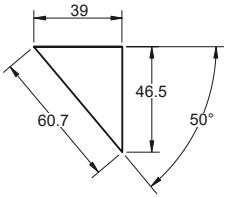
Aerial cam for pierce

AZOL GAS

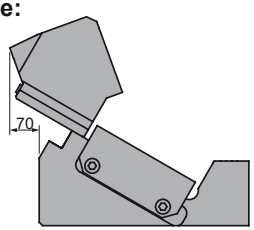
ASDR 0052 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASDR 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.7	14.7 (1.5)	29.4 (3.0)	137.2 (14.0)	901.6 (91.9)	5.4	ASDR	0052	50

Order: Model (W) (α)

ASDR 0052 50

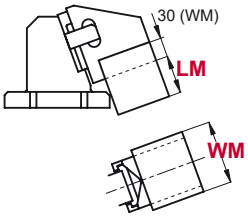
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65m. e.g. WM65



Order Options: Model (W) (α)-Option

ASDR 0052 50-LM35

ASDR 0052 50-WM

ASDR 0052 50-LM35-WM

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Stopper Plate	1	CK45
⑤	Positive Return	1	CK45
⑥	Positive Return	2	CK45 + G
⑦	Spring Guide Pin	1	CK45
⑧	Screw	2	M8 x 20
⑨	Screw	5	M8 x 15
⑩	Stopper	2	Urethane
⑪	Washer	2	M8
⑫	Coil Spring	1	TJL25-115

ASDR 0052

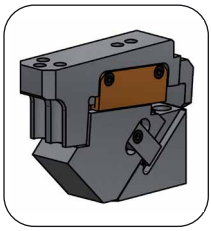
Aerial cam for pierce

AZOL GAS

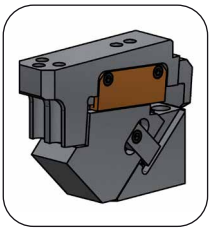
ACDS-ACEN

Aerial cam for pierce

General information



ACDS 0052



ACEN 0052

ACDS

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- High return force for estraction.
- Extensible mount length.

ACEN

- Lower return force than “ACDS”.
- Higher durability than “ACDS”.

ACDS-ACEN

Aerial cam for pierce

AZOL GAS

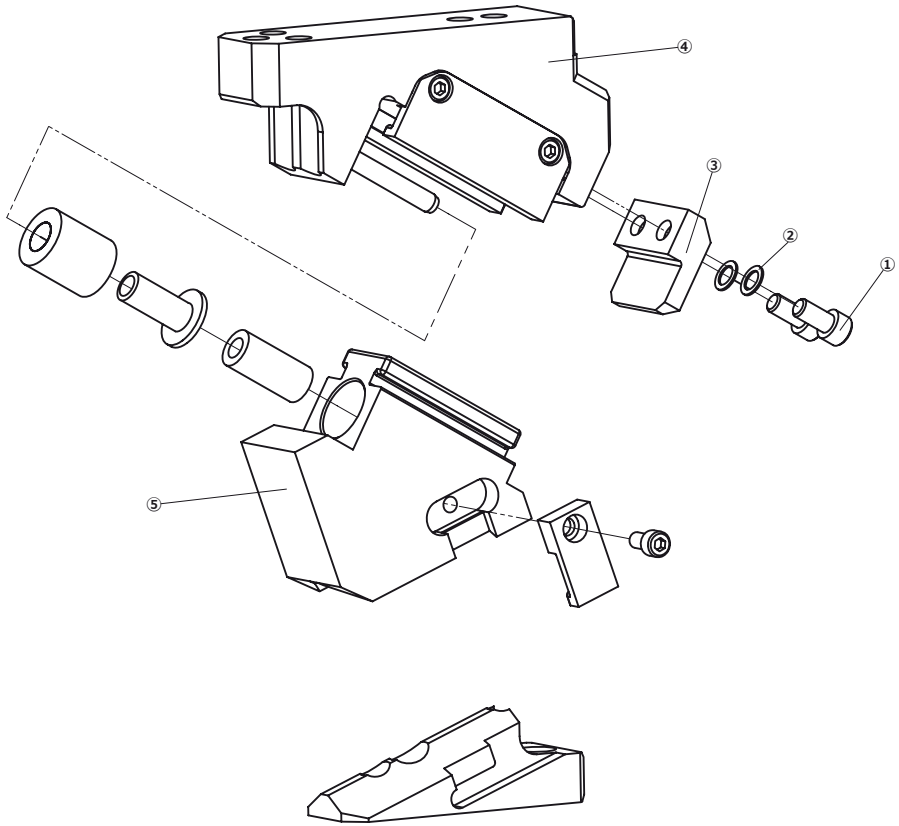
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

Assembling process

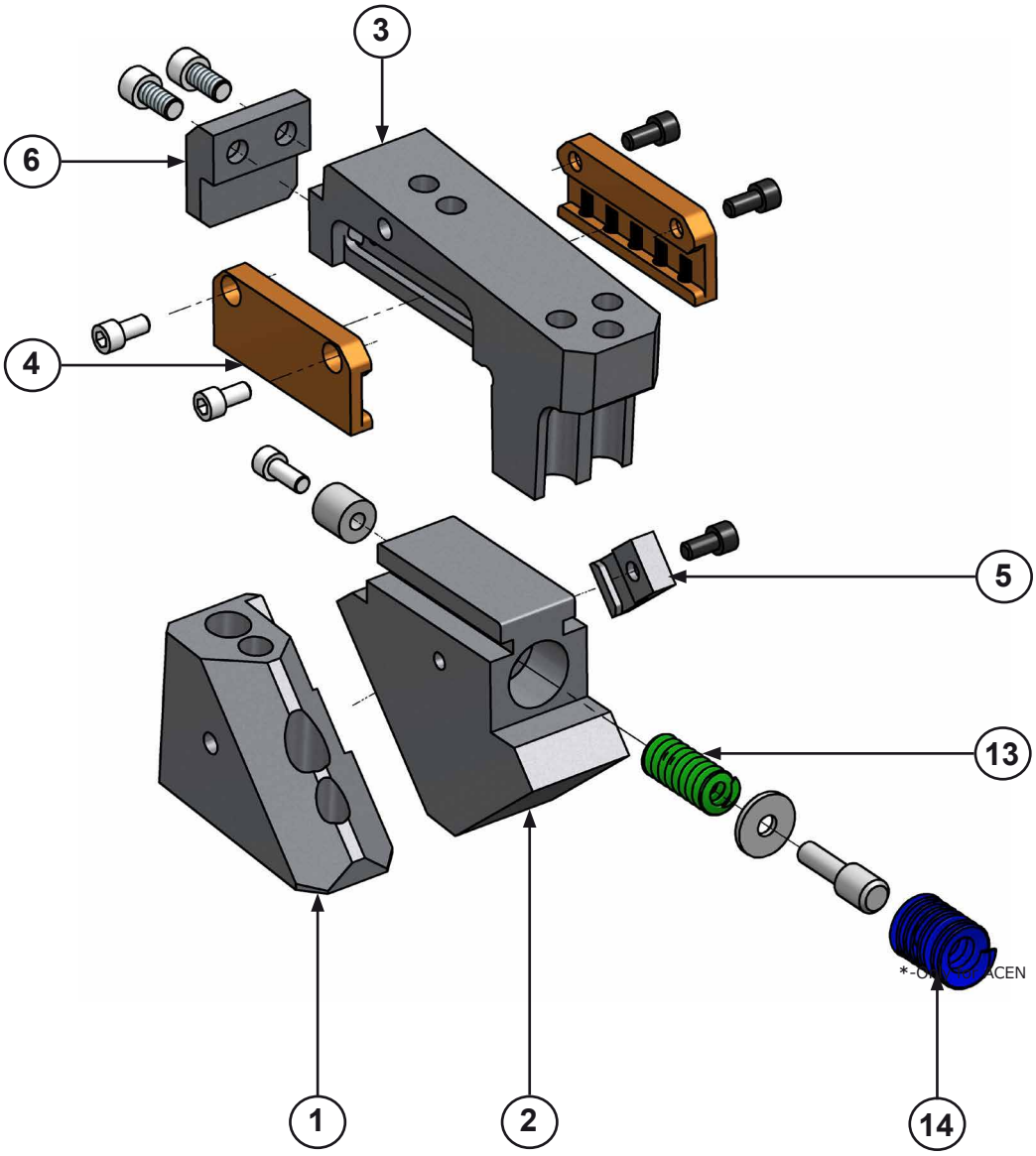
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

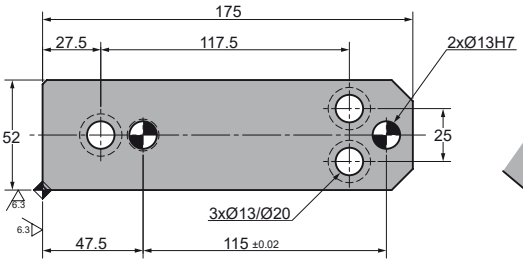


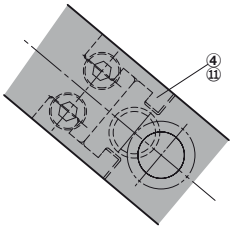
ACDS 0052 - ACEN 0052

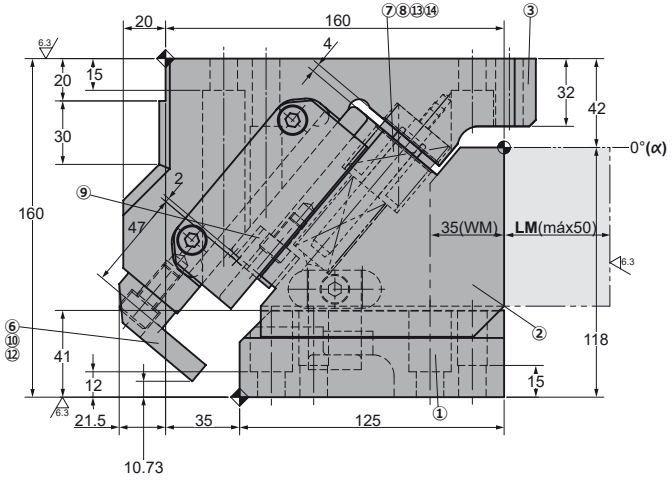
Aerial cam for pierce

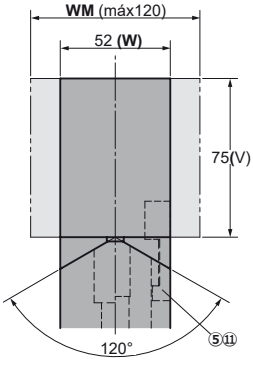
AZOL GAS

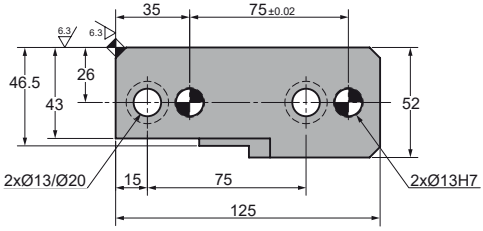
ACDS 0052 00
ACEN 0052 00



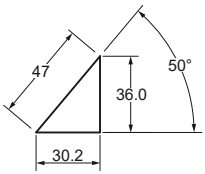




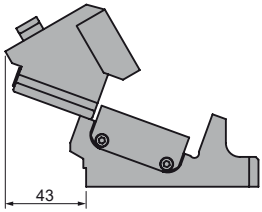




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.2	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	00
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

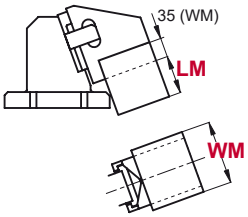
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 00-P12

ACDS 0052 00-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

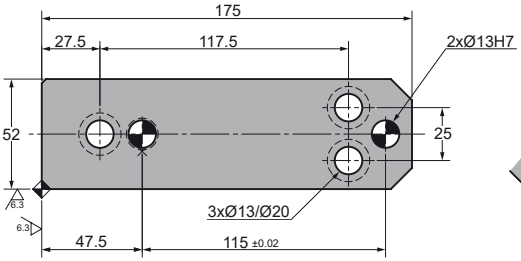
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

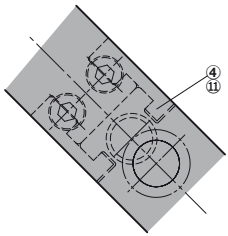
ACDS 0052 - ACEN 0052

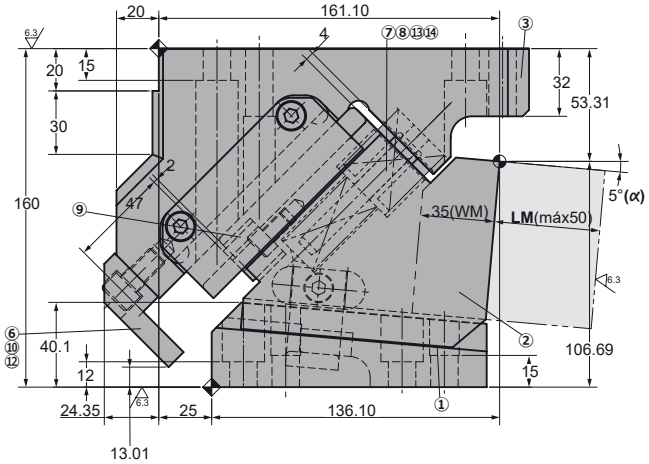
Aerial cam for pierce

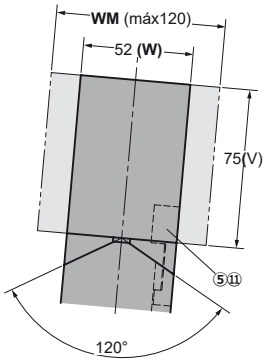
AZOL GAS

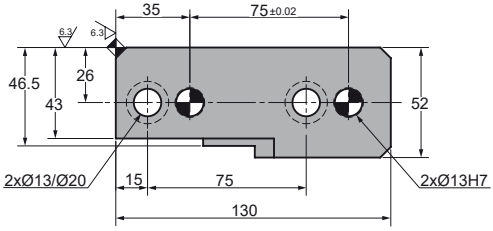
ACDS 0052 05
ACEN 0052 05



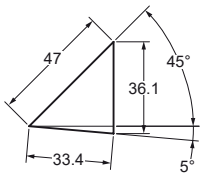




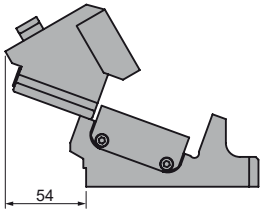




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.6	ACDS	0052	05
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

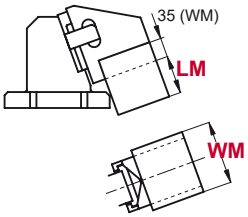
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 05-P12

ACDS 0052 05-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

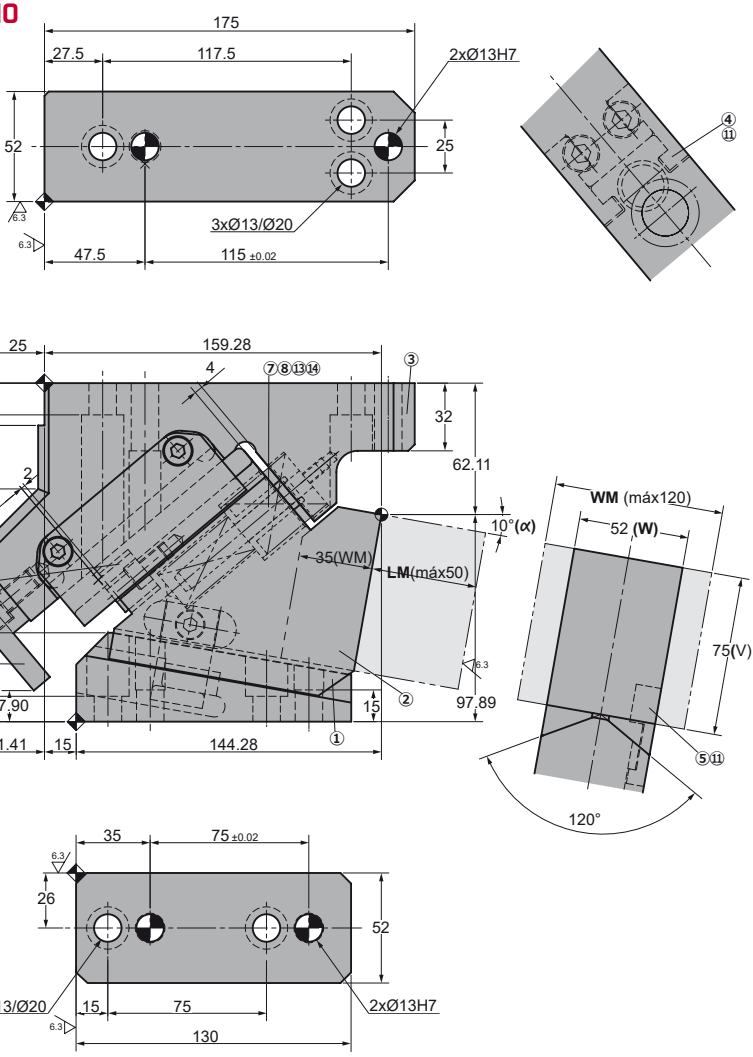
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

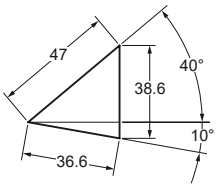
Aerial cam for pierce

AZOL GAS

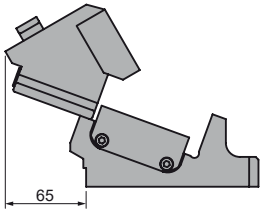
ACDS 0052 10
ACEN 0052 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
36.6	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.7	ACDS	0052	10
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 10

Standard order example according to catalog sheet.
Add options applying options table contens.

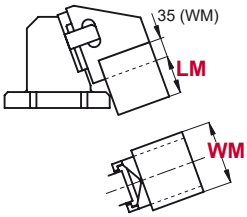
OPTIONS

P PINS

P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 10-P12

ACDS 0052 10-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

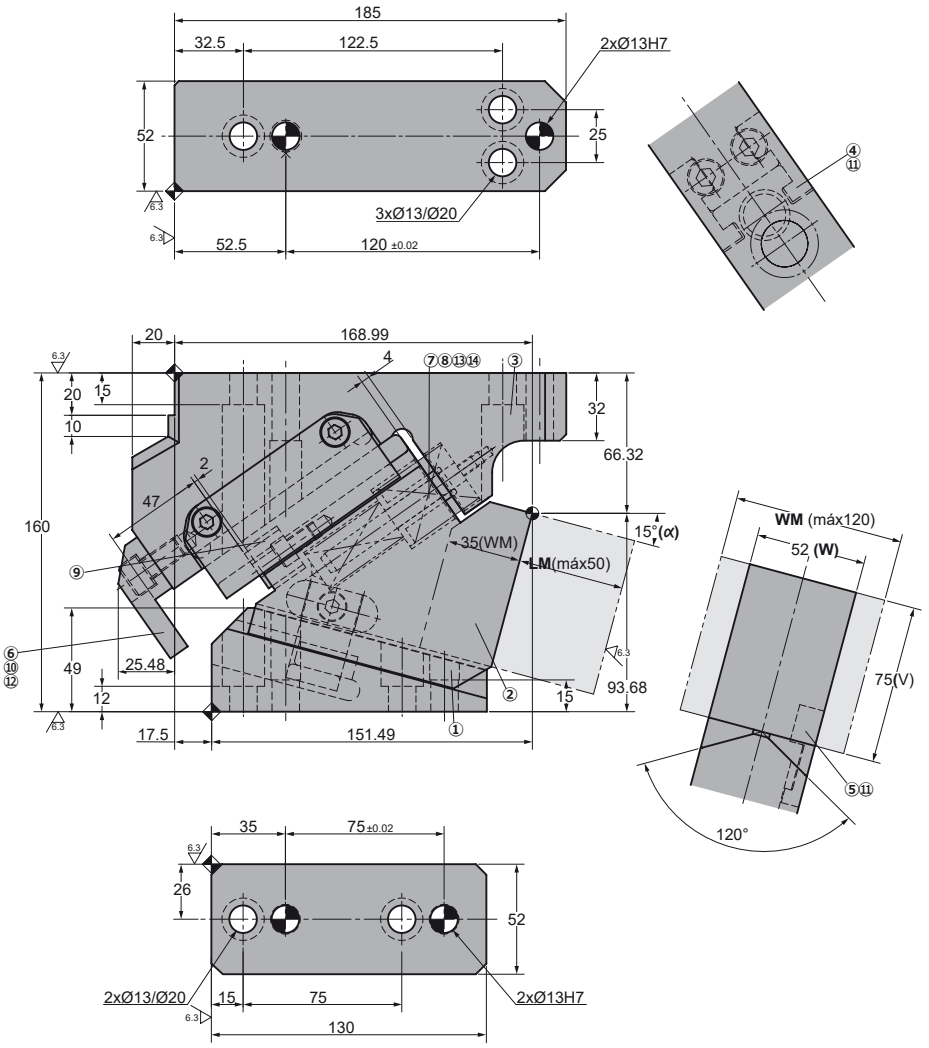
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

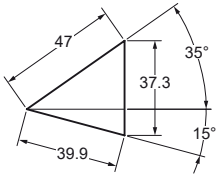
Aerial cam for pierce

AZOL GAS

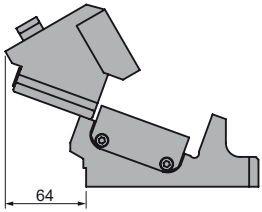
ACDS 0052 15
ACEN 0052 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.9	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	9.0	ACDS	0052	15
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

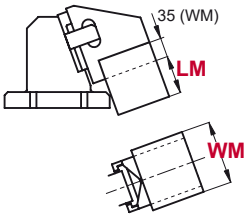
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 15-P12

ACDS 0052 15-LM30-WM120



SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

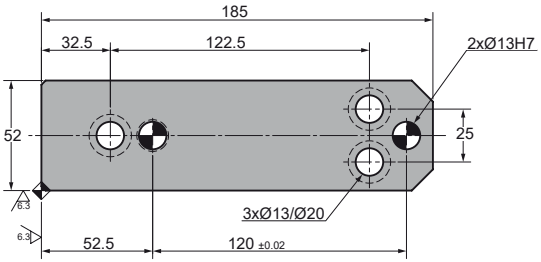
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

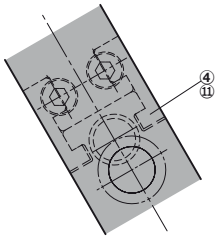
ACDS 0052 - ACEN 0052

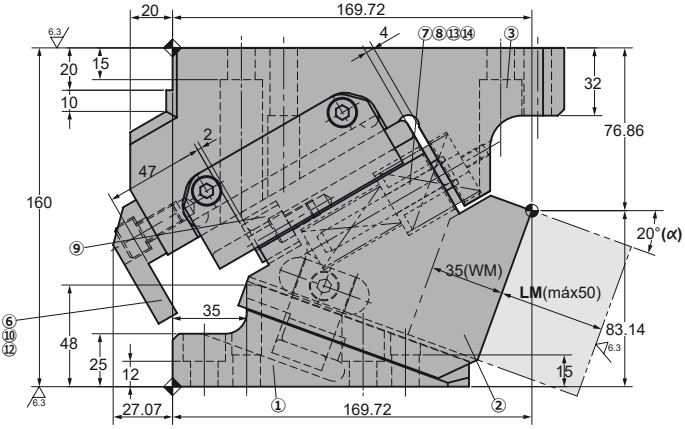
Aerial cam for pierce

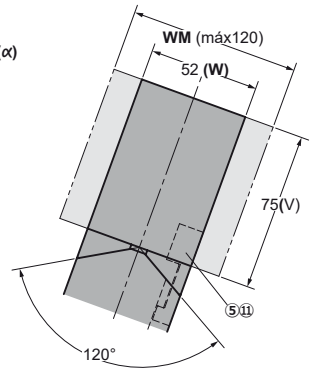
AZOL GAS

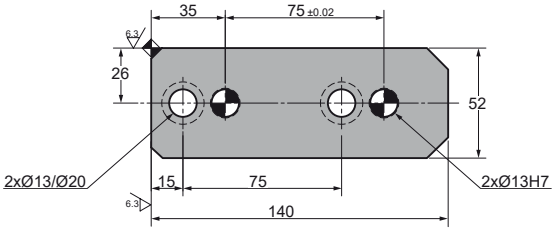
ACDS 0052 20
ACEN 0052 20



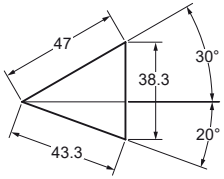




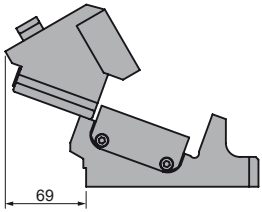




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.3	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.9	ACDS	0052	20
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

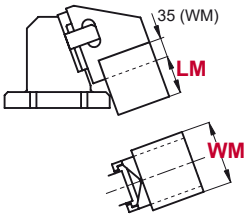
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 20-P12

ACDS 0052 20-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

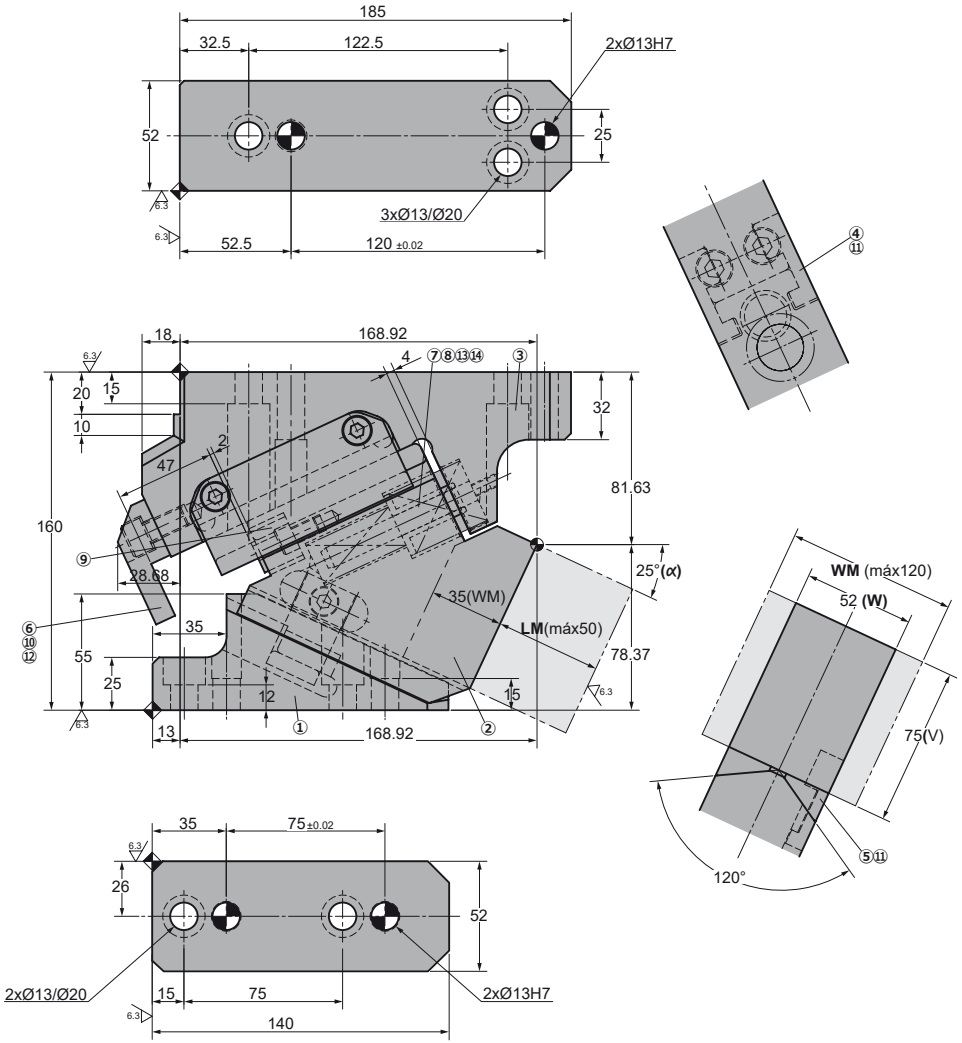
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

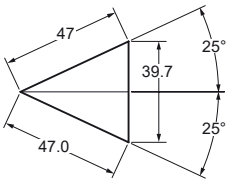
Aerial cam for pierce

AZOL GAS

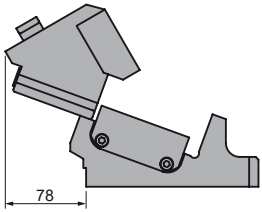
ACDS 0052 25
ACEN 0052 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.0	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	25
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

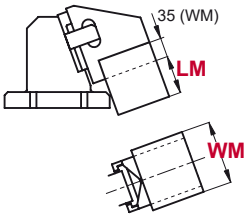
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 25-P12

ACDS 0052 25-LM30-WM120



SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

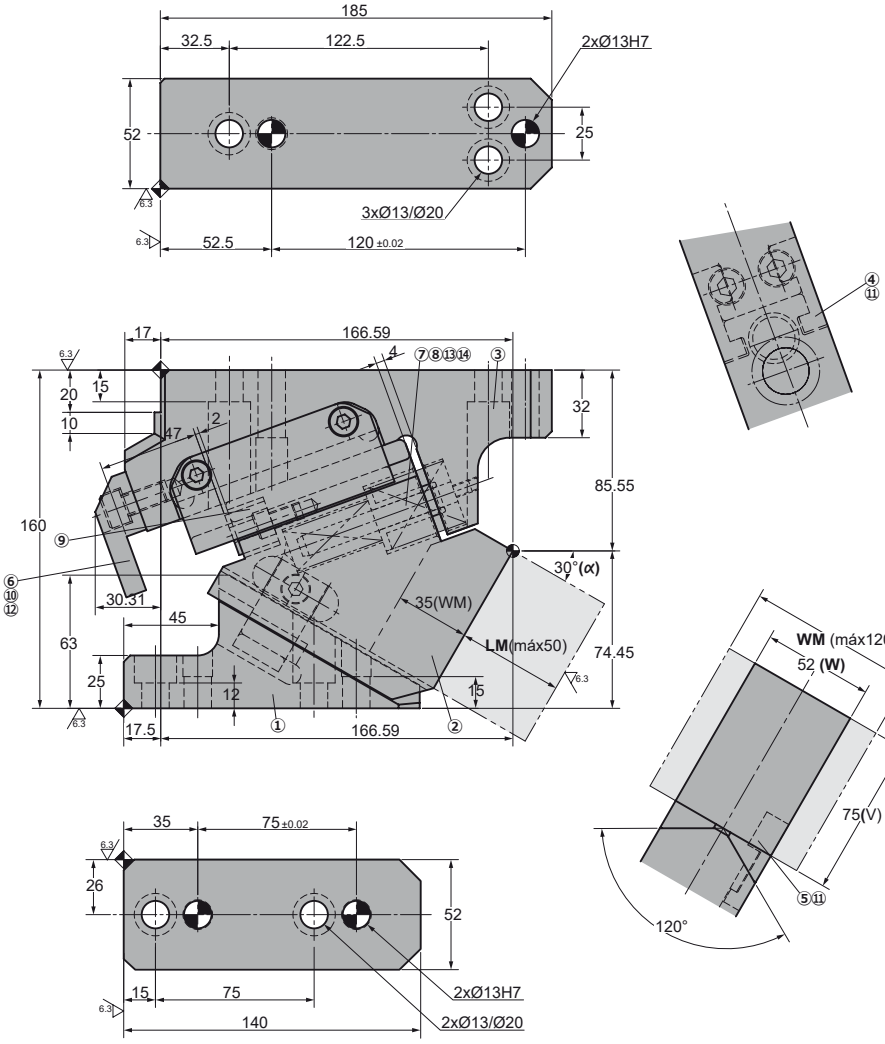
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

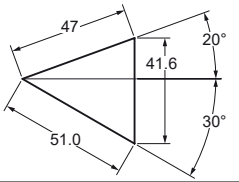
Aerial cam for pierce

AZOL GAS

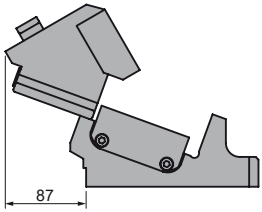
ACDS 0052 30
ACEN 0052 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
51.0	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.6	ACDS	0052	30
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

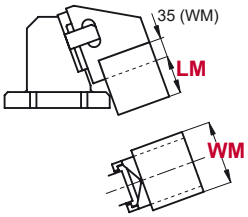
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 30-P12

ACDS 0052 30-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

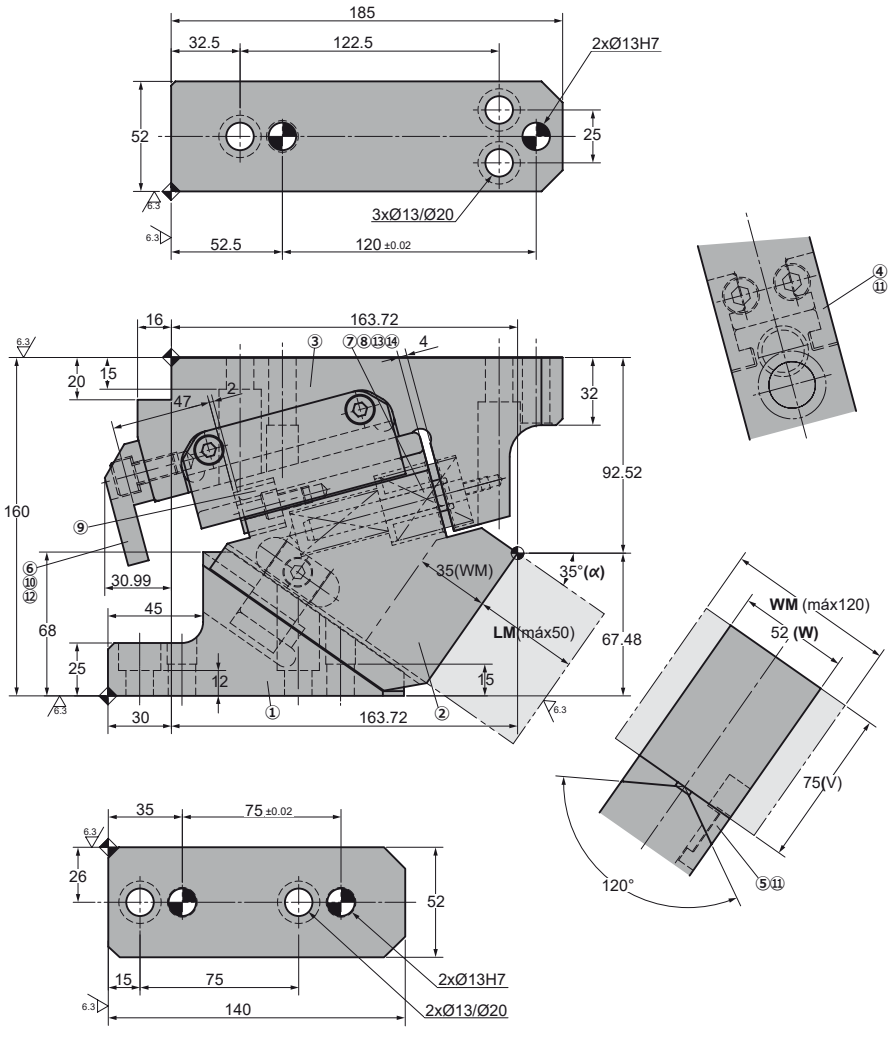
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

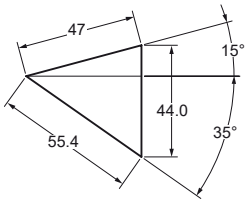
Aerial cam for pierce

AZOL GAS

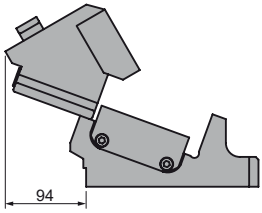
ACDS 0052 35
ACEN 0052 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	35
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

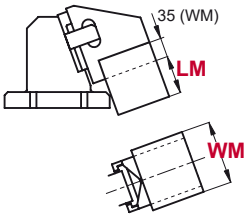
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 35-P12

ACDS 0052 35-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

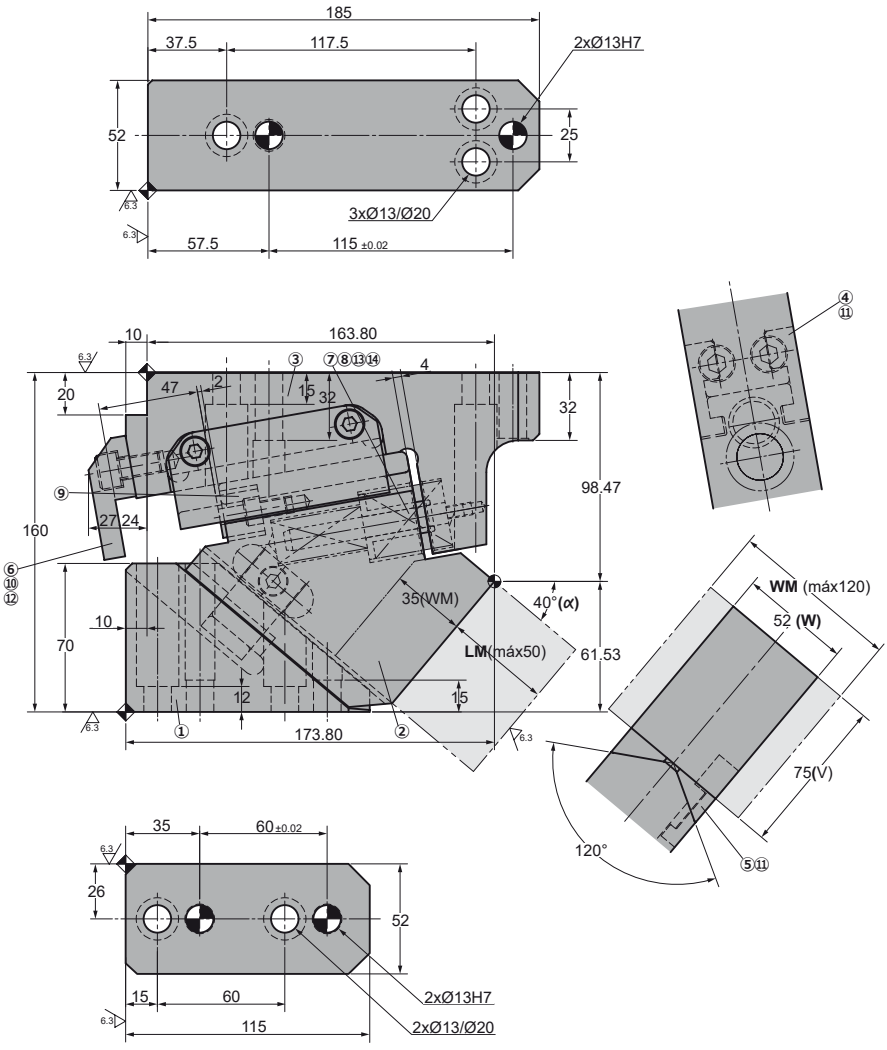
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

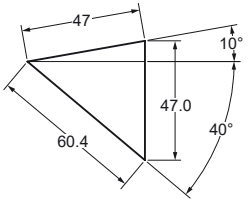
Aerial cam for pierce

AZOL GAS

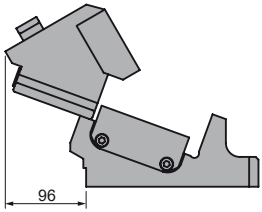
ACDS 0052 40
ACEN 0052 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.4	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.9	ACDS	0052	40
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

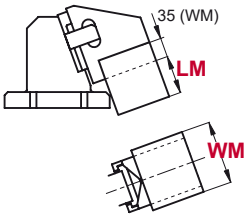
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 40-P12

ACDS 0052 40-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

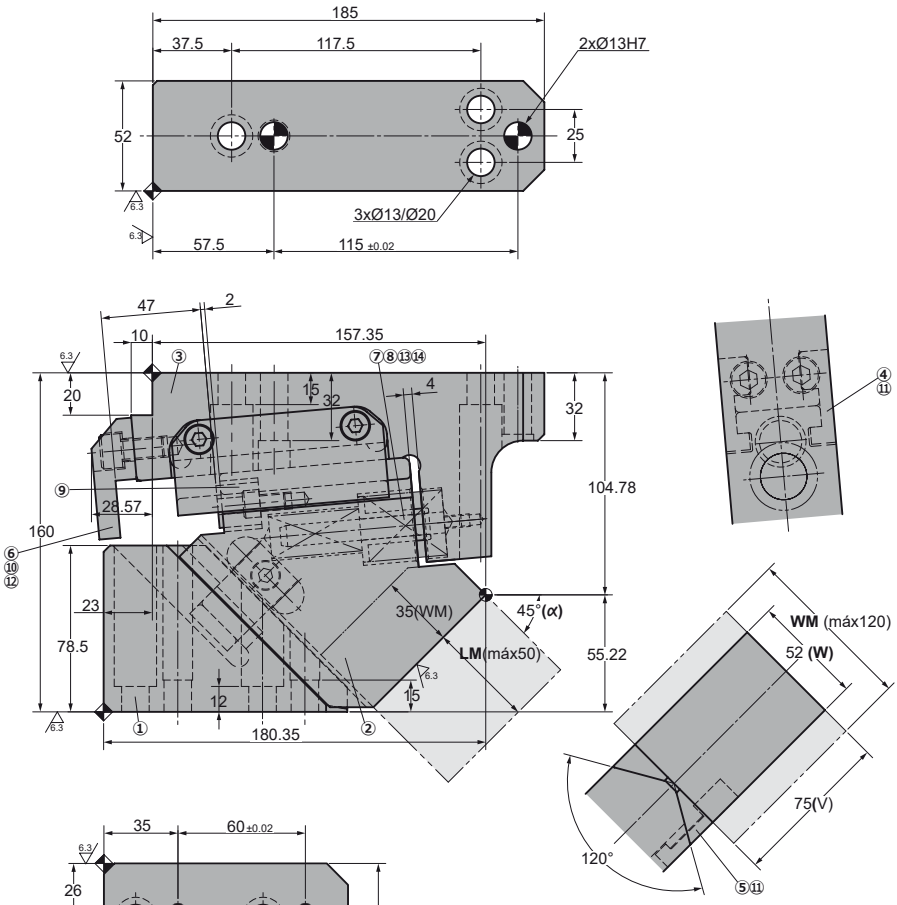
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

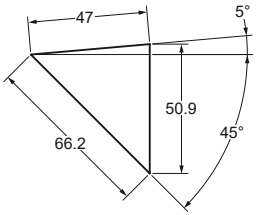
Aerial cam for pierce

AZOL GAS

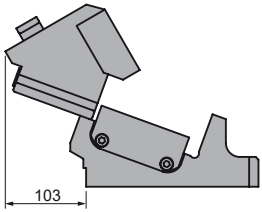
ACDS 0052 45
ACEN 0052 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
66.2	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	9.1	ACDS	0052	45
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

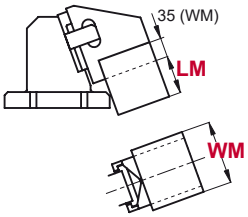
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 45-P12

ACDS 0052 45-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

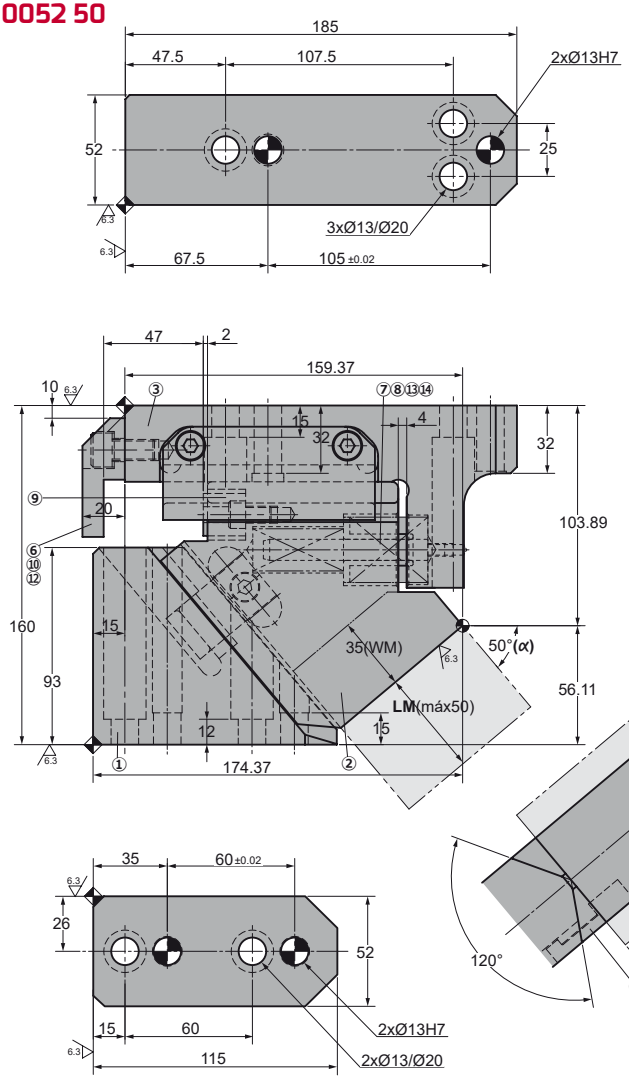
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

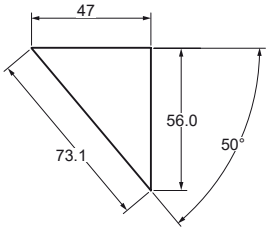
Aerial cam for pierce

AZOL GAS

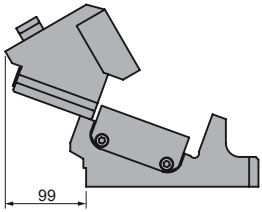
ACDS 0052 50
ACEN 0052 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
73.1	29.4 (3.0)	58.8 (6.0)	31.6 (3.2)	3110.8 (317.2)	8.8	ACDS	0052	50
			14.0 (1.4)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

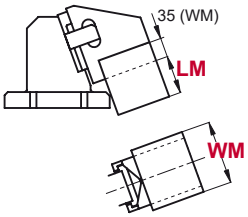
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 50-P12

ACDS 0052 50-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

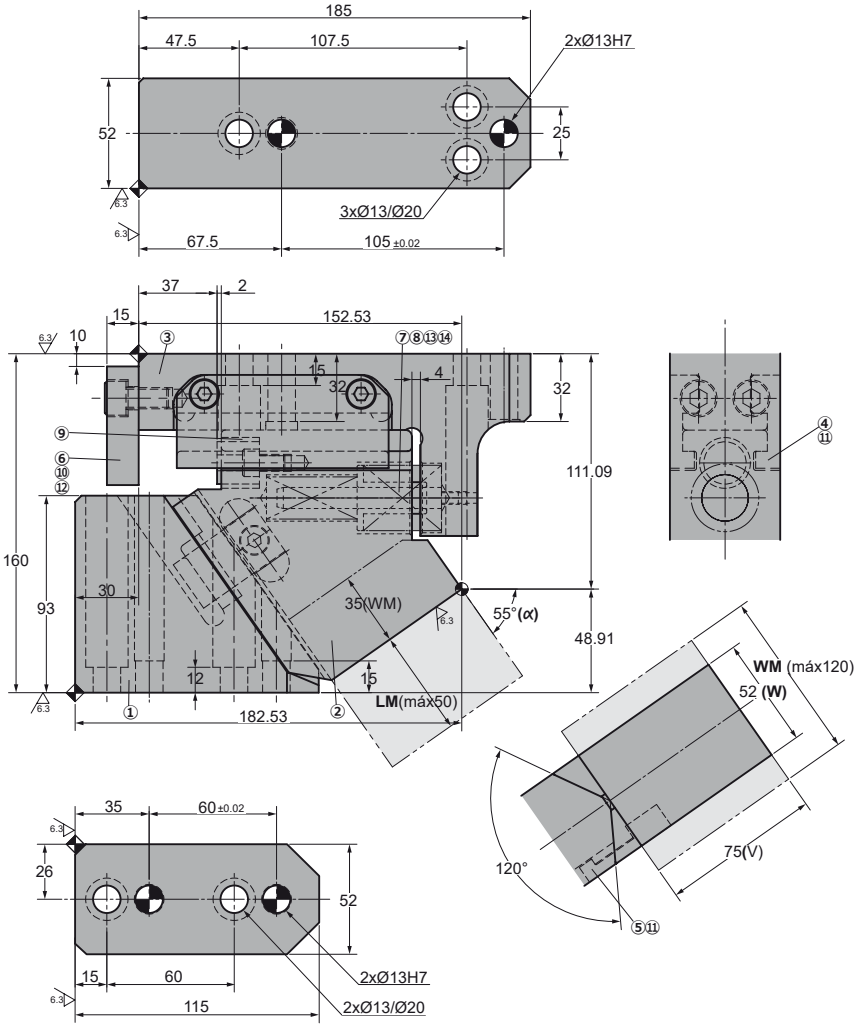
No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-90
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

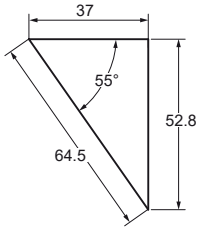
Aerial cam for pierce

AZOL GAS

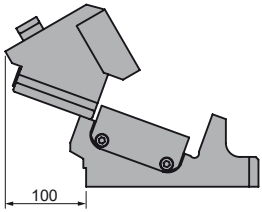
ACDS 0052 55
ACEN 0052 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.5	29.4 (3.0)	58.8 (6.0)	36.1 (3.7)	3110.8 (317.2)	8.9	ACDS	0052	55
			36.1 (3.7)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

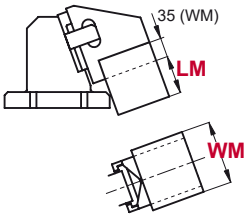
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 55-P12

ACDS 0052 55-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-70
⑭	Coil Spring B	1	TJH32-51

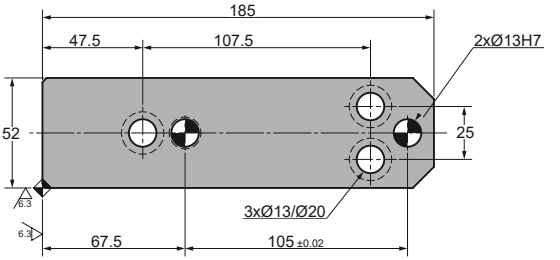
No.	Description	Qty.	Material
*⑭	Coil Spring B	1	TM30-50

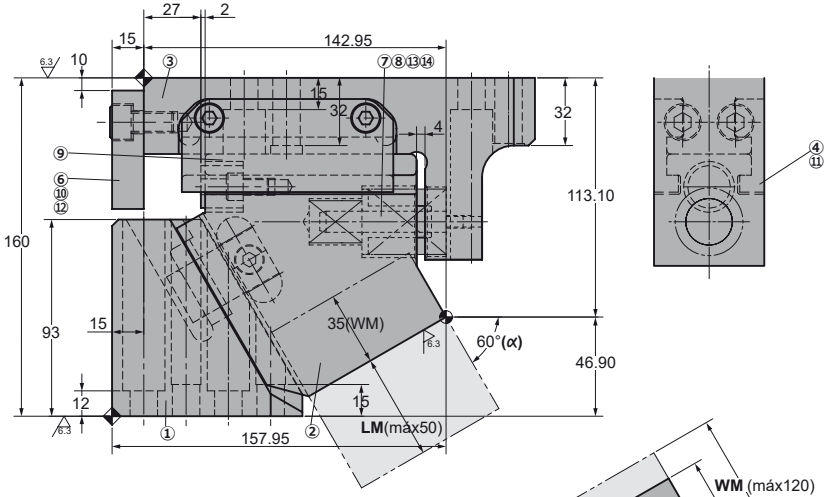
ACDS 0052 - ACEN 0052

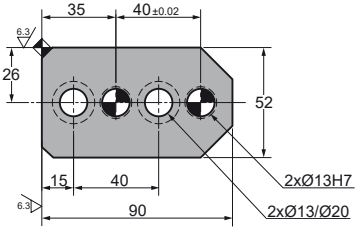
Aerial cam for pierce

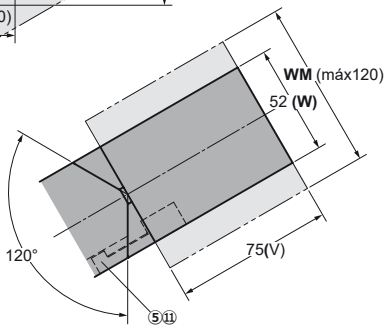
AZOL GAS

ACDS 0052 60
ACEN 0052 60

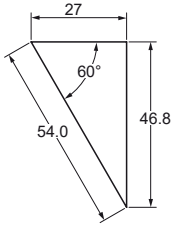




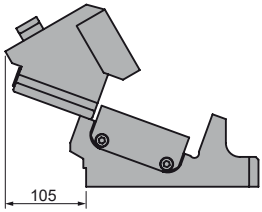




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ACDS 0052 - ACEN 0052

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.0	29.4 (3.0)	58.8 (6.0)	98.1 (10.0)	3110.8 (317.2)	8.5	ACDS	0052	60
			75.7 (7.7)	1425.5 (145.5)		ACEN		

Order: Model (W) (α)

ACDS 0052 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

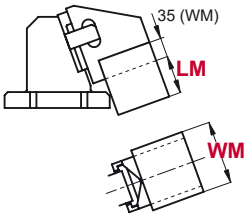
P PINS



P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 50 mm (increments of 1 mm).
e.g. LM40
WM Mount width changed from 53mm to 120 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

ACDS 0052 60-P12

ACDS 0052 60-LM30-WM120

SPARE PARTS:
⑬ Coil Spring A
⑭ Coil Spring B

COMPONENTS

*-Only for ACEN

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	Bronze
⑥	Stopper Plate	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Spring Guide Bush	1	Bronze
⑨	Stopper	1	Urethane
⑩	Washer	2	M10
⑪	Screw	5	M8 x 16
⑫	Screw	2	M10 x 20
⑬	Coil Spring A	1	TF20-80
⑭	Coil Spring B	1	TJH32-51

No.	Description	Qty.	Material
*⑬	Coil Spring A	1	TF20-50
*⑭	Coil Spring B	1	TM30-50

ACDS 0052 - ACEN 0052

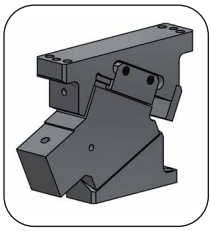
Aerial cam for pierce

AZOL GAS

ANCG

Aerial cam for pierce

General information



ANCG 0065

- **Aerial cam.**
- **Angles from 0° to 25° with increments of 5°.**
- **“V” shaped sliding for auto-centered.**
- **Extensible mount length.**

ANCG

Aerial cam for pierce

AZOL GAS

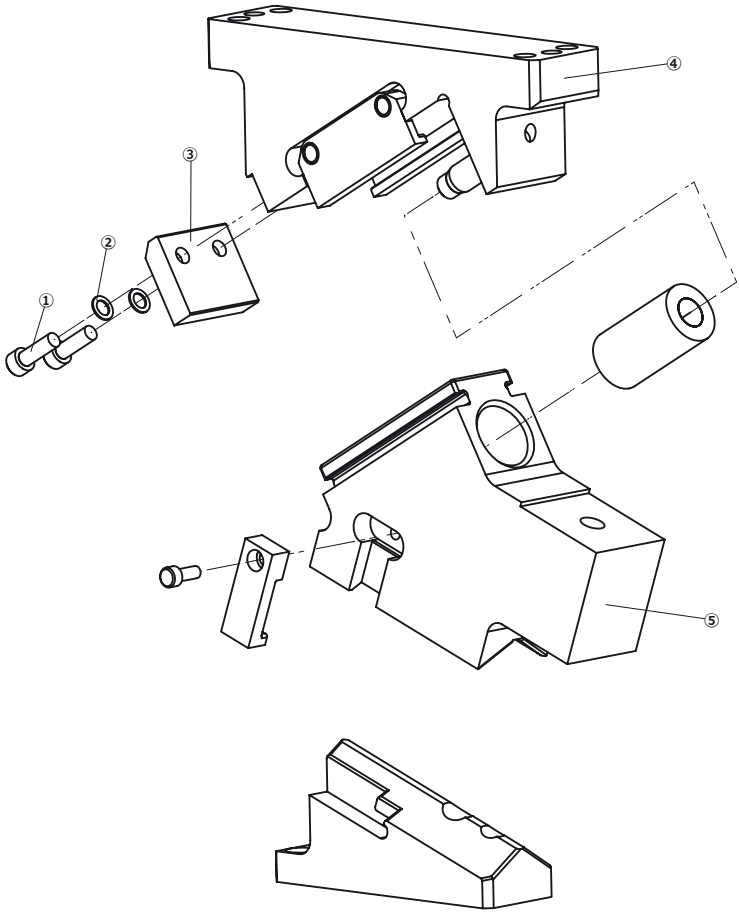
Assembling and disassembling

Disassembling process

- Unscrew ① pieces with washers ② and then stopper plate ③.
- Remove cam slider ⑤ from cam support ④.

Assembling process

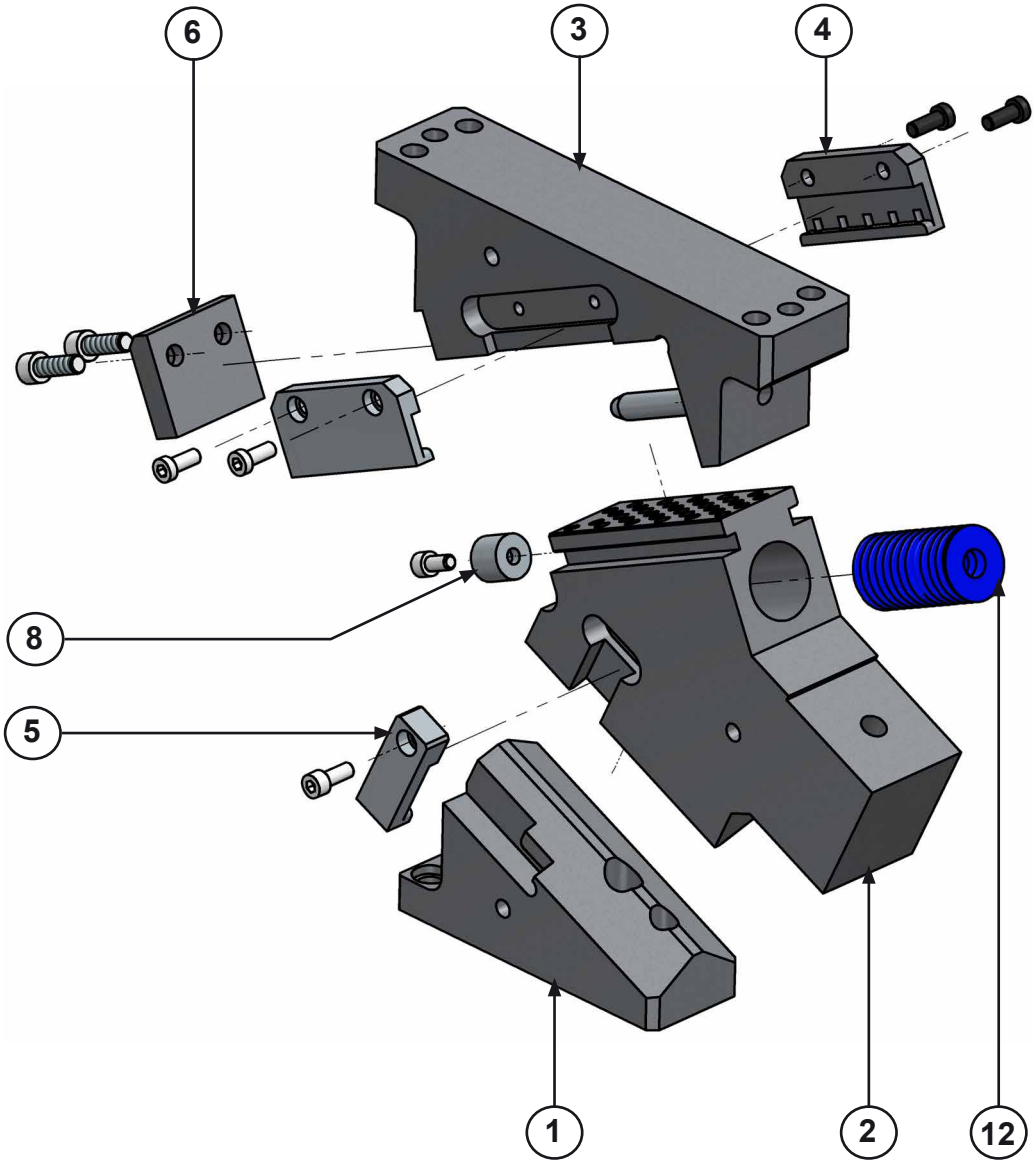
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



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ANCG 0065

Aerial cam for pierce

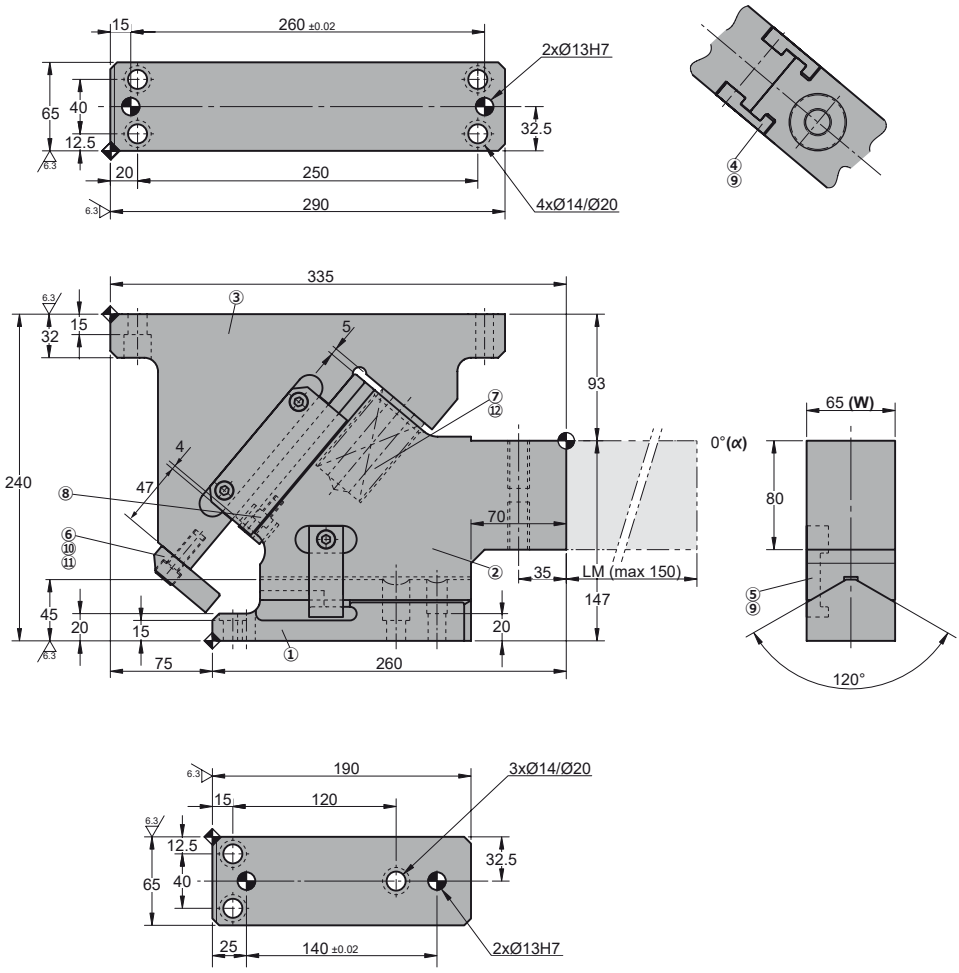


ANCG 0065

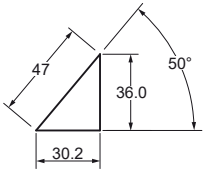
Aerial cam for pierce

AZOL GAS

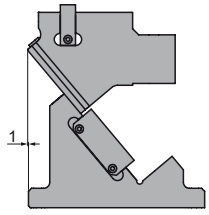
ANCG 0065 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.2	14.7 (1.5)	126.9 (12.9)	2115.0 (215.7)	33.7	ANCG	0065	00

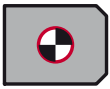
Order: Model (W) (α)

ANCG 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

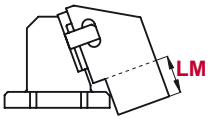
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 00-P12
ANCG 0065 00-LM50
ANCG 0065 00-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

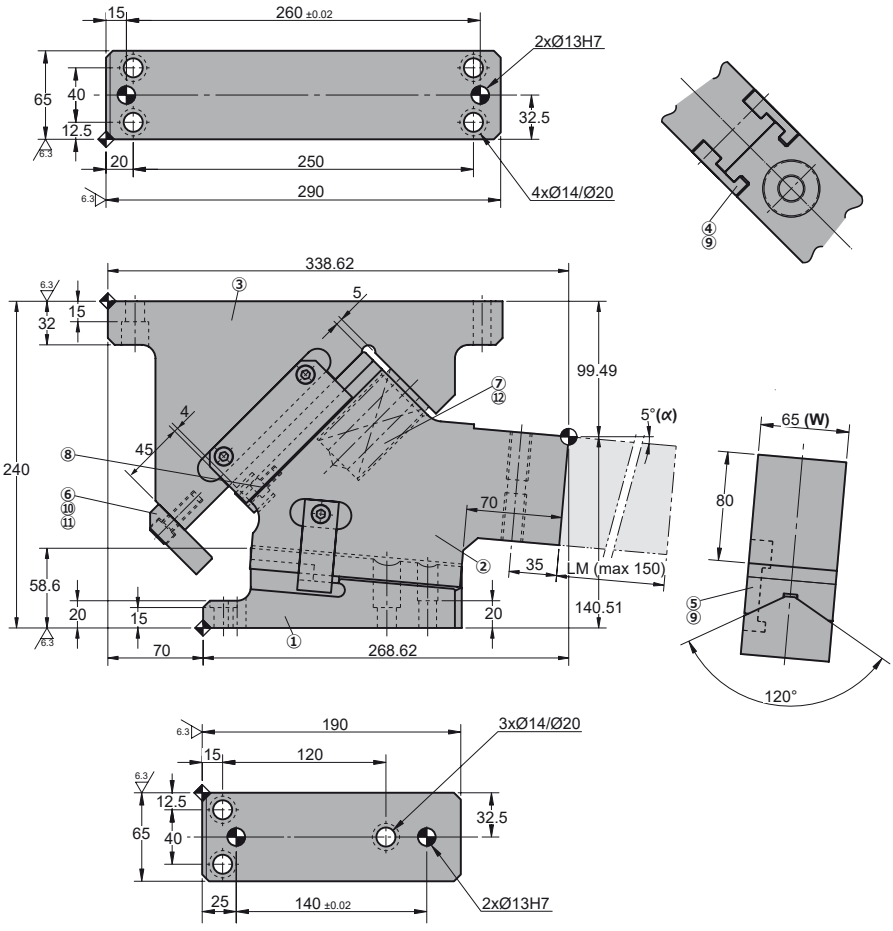
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

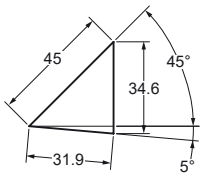
Aerial cam for pierce

AZOL GAS

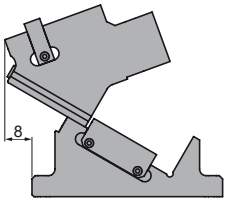
ANCG 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
31.9	14.7 (1.5)	211.5 (21.6)	2115.0 (215.7)	33.2	ANCG	0065	05

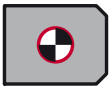
Order: Model (W) (α)

ANCG 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

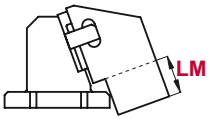
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 05-P12

ANCG 0065 05-LM50

ANCG 0065 05-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

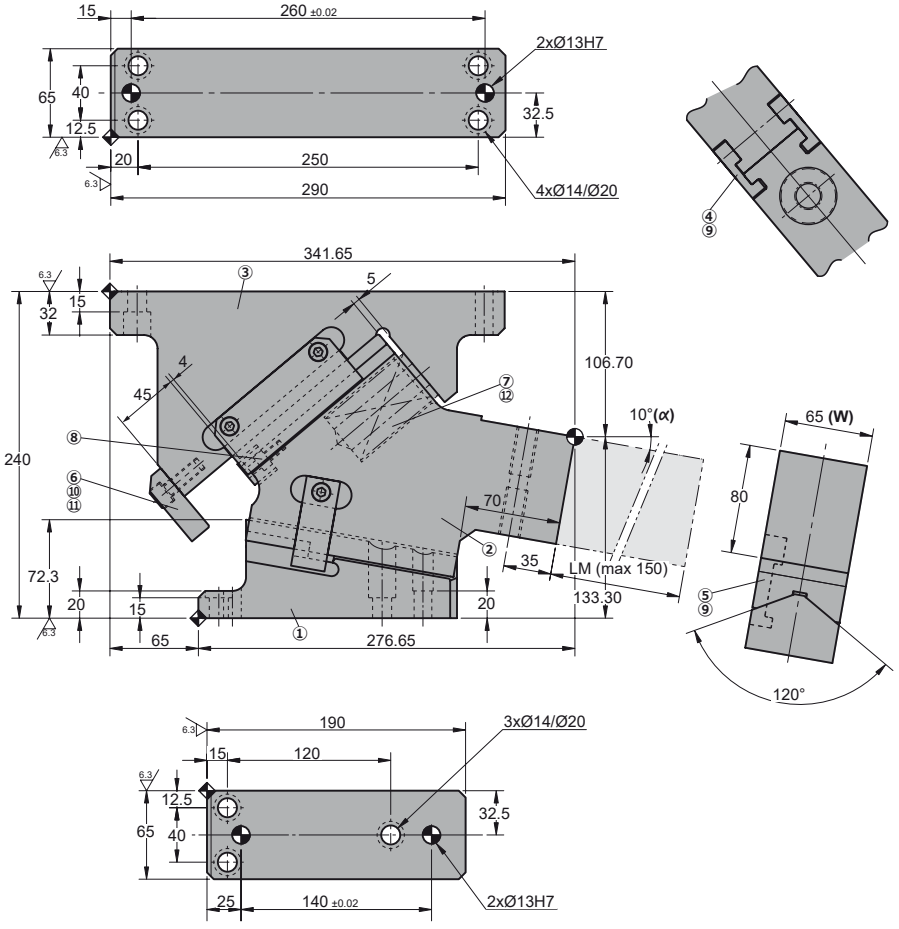
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

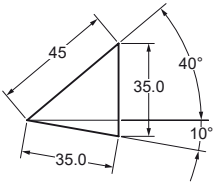
Aerial cam for pierce

AZOL GAS

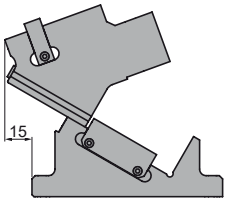
ANCG 0065 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	14.7 (1.5)	211.5 (21.6)	2115.0 (215.7)	32.7	ANCG	0065	10

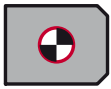
Order: Model (W) (α)

ANCG 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

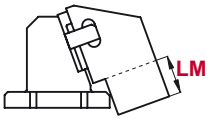
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 10-P12

ANCG 0065 10-LM50

ANCG 0065 10-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

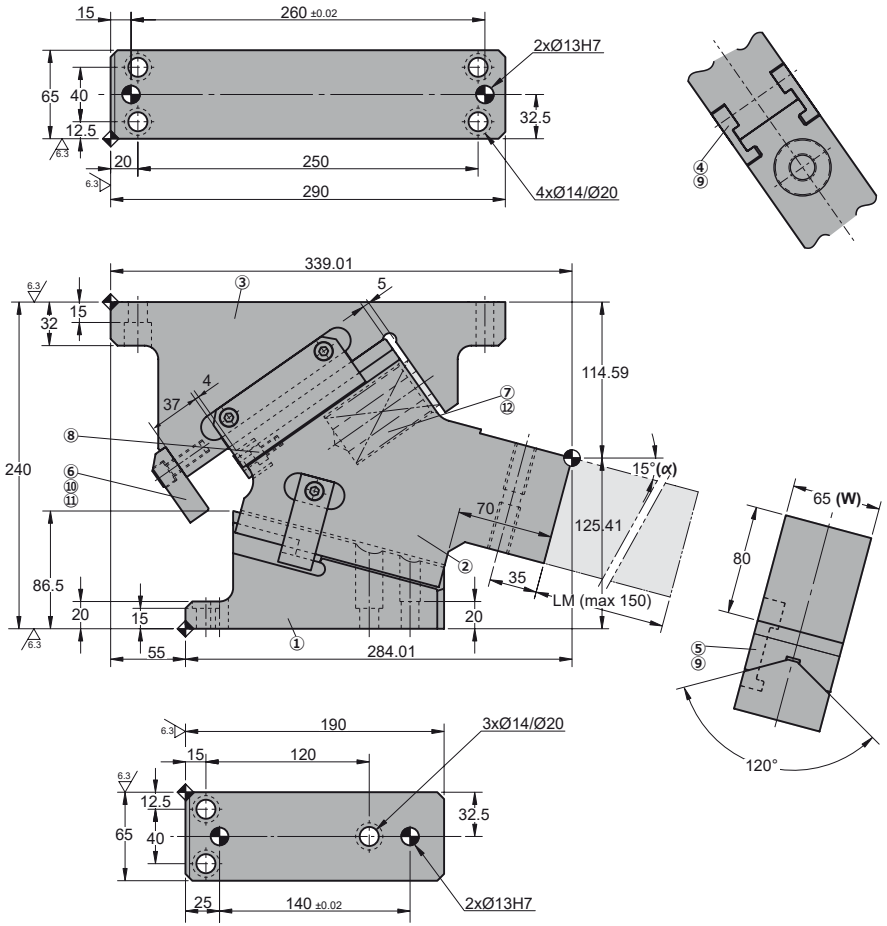
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

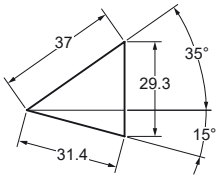
Aerial cam for pierce

AZOL GAS

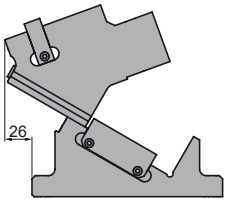
ANCG 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
31.4	14.7 (1.5)	550.0 (56.1)	2115.0 (215.7)	32.1	ANCG	0065	15

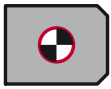
Order: Model (W) (α)

ANCG 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

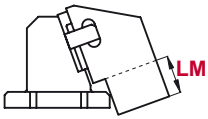
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 15-P12
ANCG 0065 15-LM50
ANCG 0065 15-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

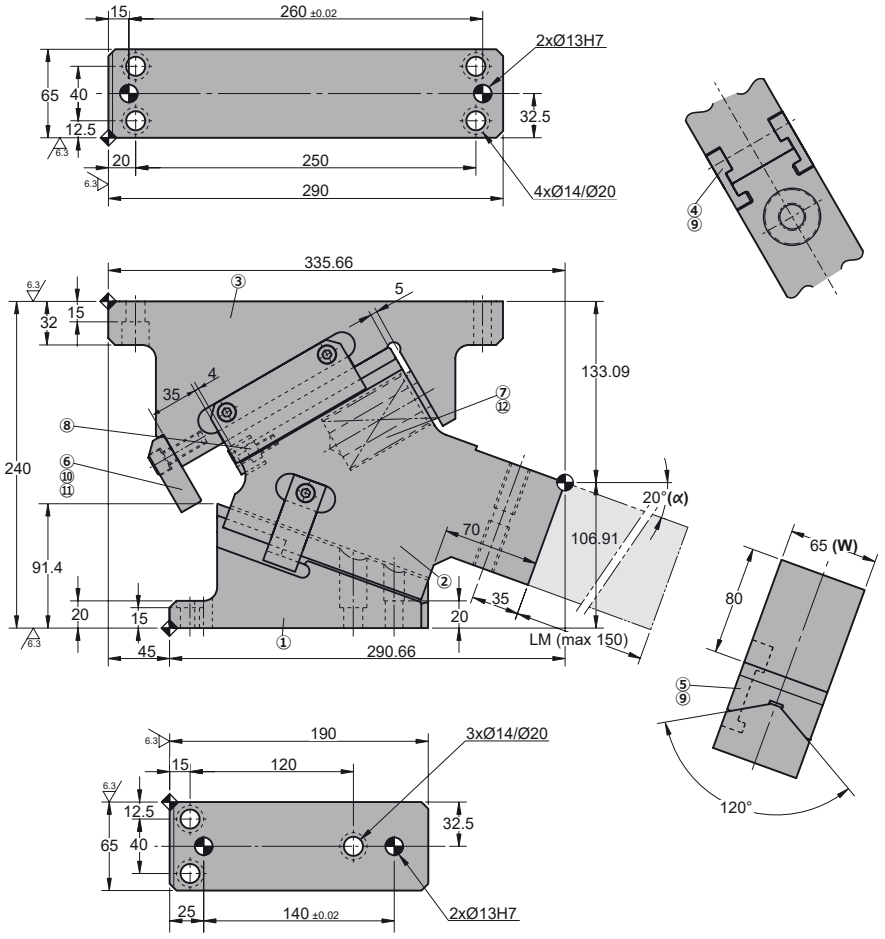
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

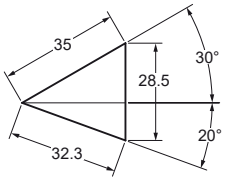
Aerial cam for pierce

AZOL GAS

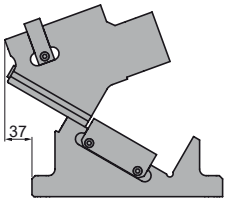
ANCG 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.3	14.7 (1.5)	634.5 (64.7)	2115.0 (215.7)	32.1	ANCG	0065	20

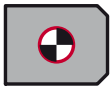
Order: Model (W) (α)

ANCG 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

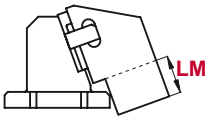
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 20-P12
ANCG 0065 20-LM50
ANCG 0065 20-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

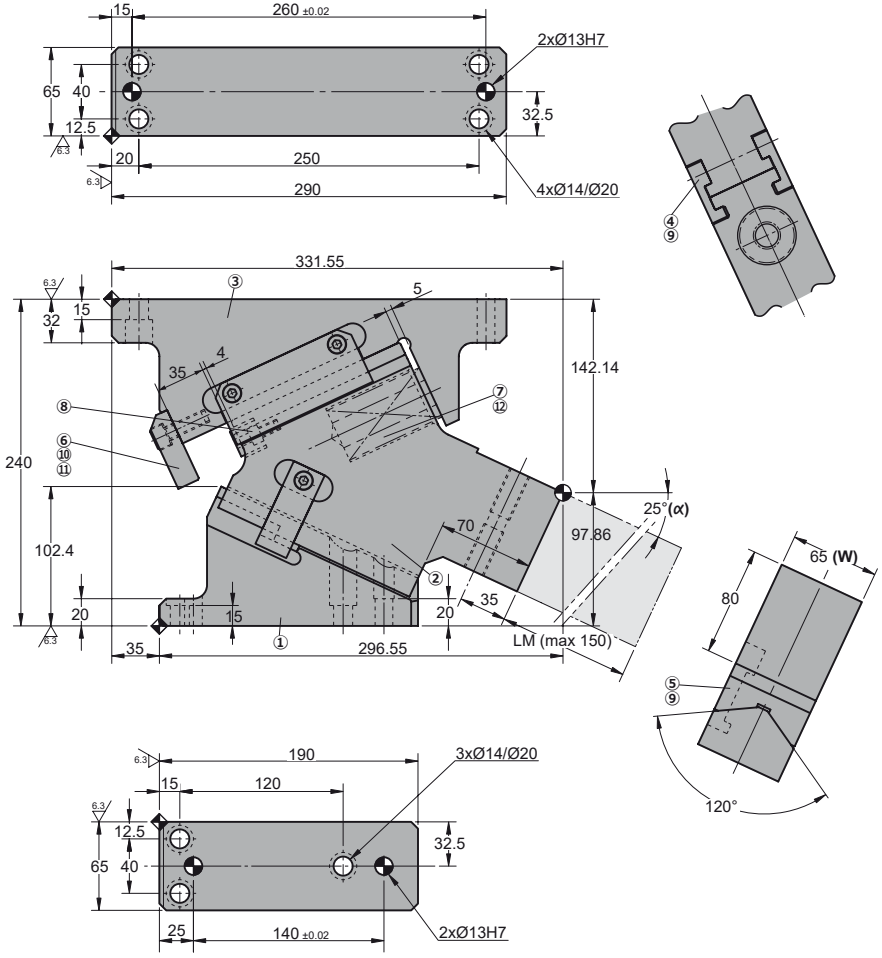
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

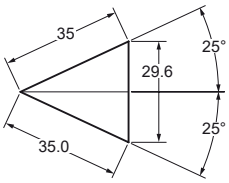
Aerial cam for pierce

AZOL GAS

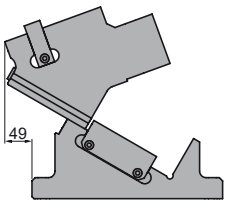
ANCG 0065 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANCG 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	14.7 (1.5)	634.5 (64.7)	2115.0 (215.7)	31.8	ANCG	0065	25

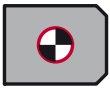
Order: Model (W) (α)

ANCG 0065 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

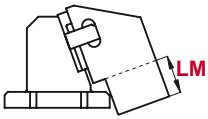
P PINS



P12 - Ø12 H7

LM MOUNT

LM Extensible slider mount from 1 to 150 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ANCG 0065 25-P12
ANCG 0065 25-LM50
ANCG 0065 25-P12-LM50

SPARE PARTS:
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GGG50
④	Positive Return A	2	CK45 + G
⑤	Positive Return B	1	CK45
⑥	Stopper Plate	1	CK22
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	5	M8 x 20
⑩	Screw	2	M10 x 30
⑪	Washer	2	M10
⑫	Coil Spring	1	TL40-125

ANCG 0065

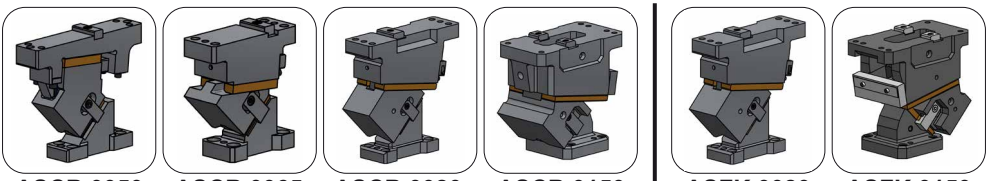
Aerial cam for pierce

AZOL GAS

ASCB-ASFK

Aerial cam for pierce

General information



ASCB 0050 | ASCB 0065 | ASCB 0080 | ASCB 0150 | ASFK 0080 | ASFK 0150

ASCB

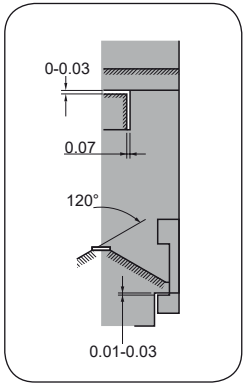
- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Extensible mount length.
- Slider easy desassembly from the rear.

ASFK

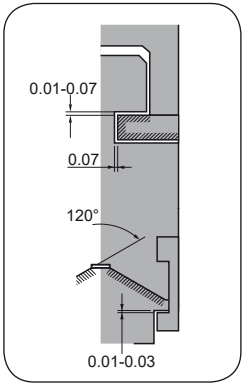
- Spring return in 2 steps.
- Higher return force than "ASCB".
- 1.4 times stroger than "ASCB".

Adjustment clearances

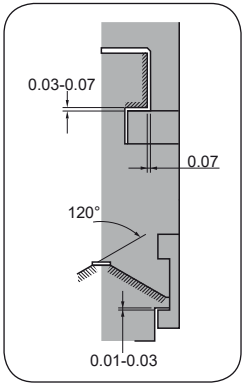
ASCB 0050



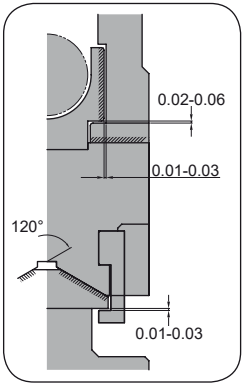
ASCB 0065



ASFK 0080
ASCB 0080

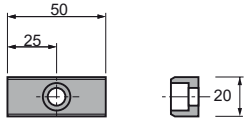


ASFK 0150
ASCB 0150

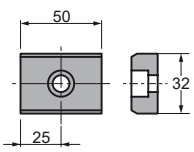


Keys

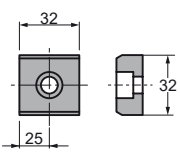
K
ASCB 0050 / 0065



K
ASFK 0080
ASCB 0080



K
ASFK 0150
ASCB 0150



ASCB-ASFK

Aerial cam for pierce

AZOL GAS

Assembling and disassembling

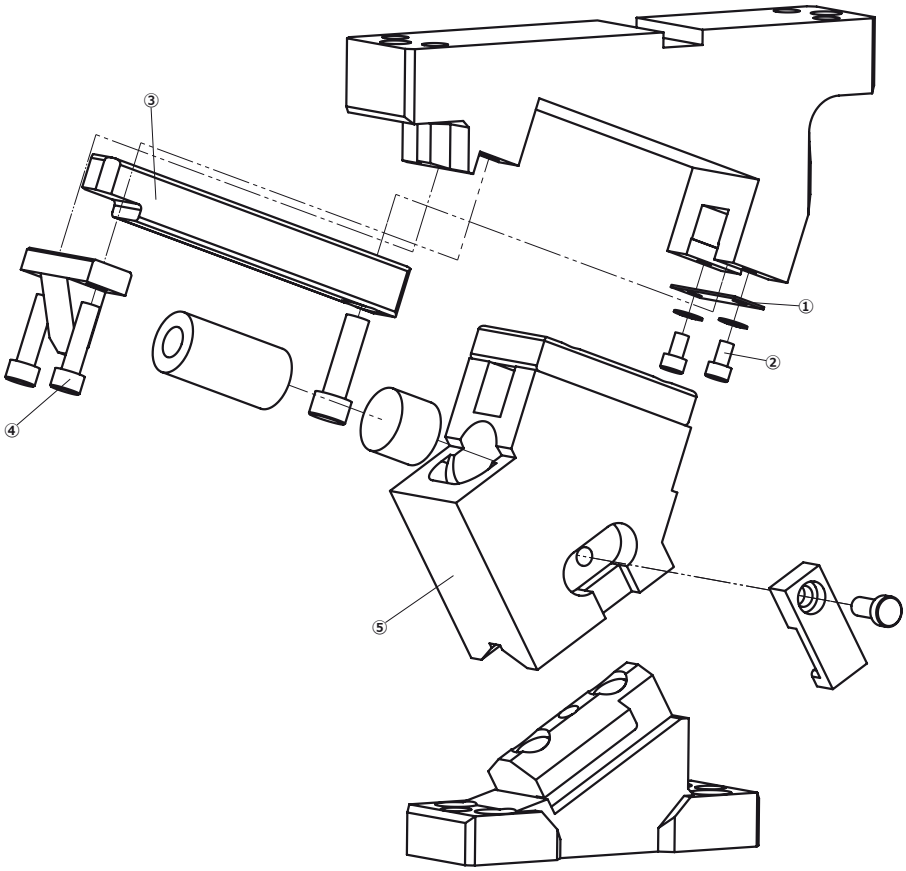
ASCB 0050 / 0065

Disassembling process

- Unscrew ② pieces and remove stopper plates ①.
- Unscrew ④.
- Push guide bar ③ and remove cam slider ⑤.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

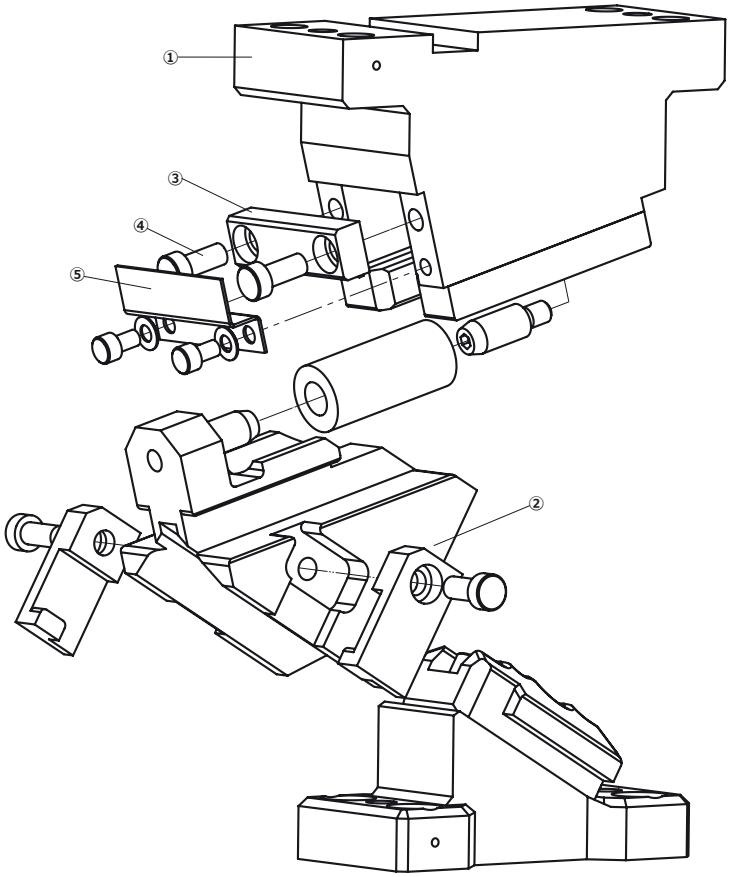
ASCB 0080 / 00150 ASFK 0080 / 00150

Disassembling process

- Remove security plate ⑤
- Unscrew ④ pieces annd stopper plate ③.
- Unmount cam slider ② from the support ①.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ASCB-ASFK

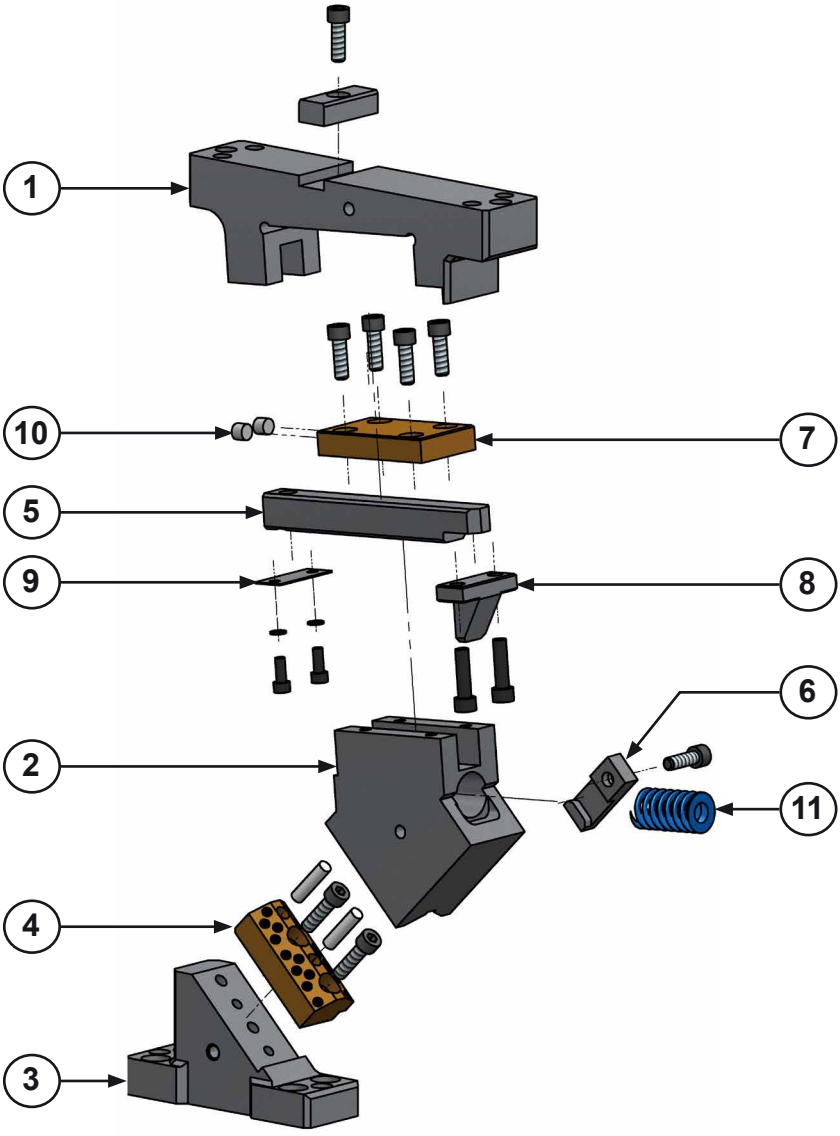
Aerial cam for pierce

AZOL GAS

AZOL GAS

ASCB 0050

Aerial cam for pierce

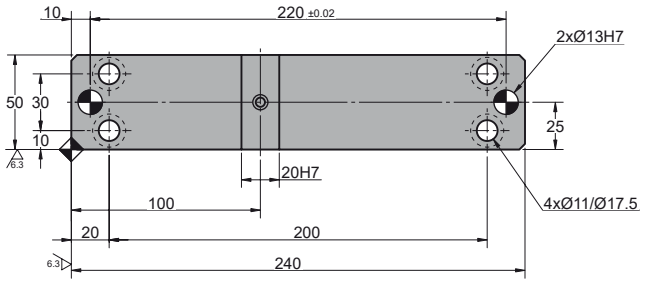


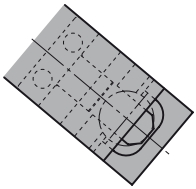
ASCB 0050

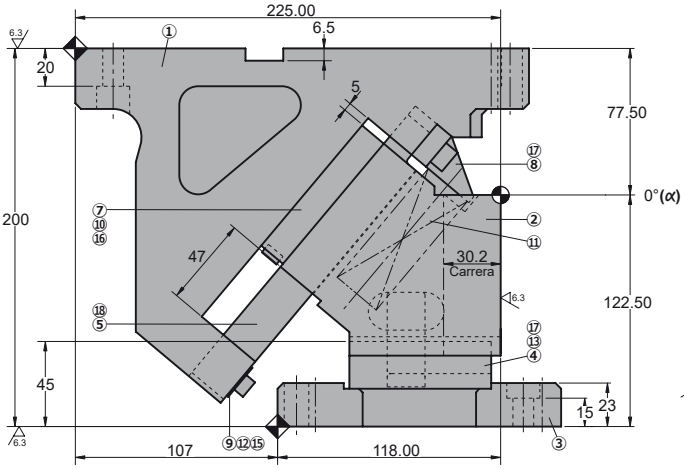
Aerial cam for pierce

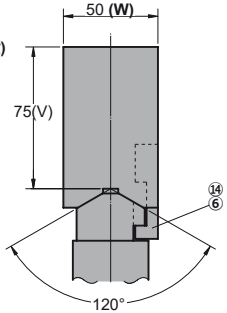
AZOL GAS

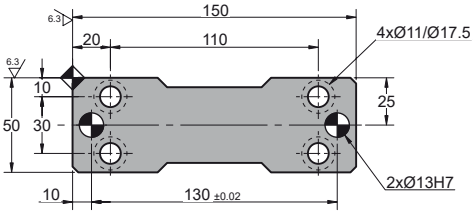
ASCB 0050 00



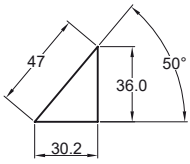




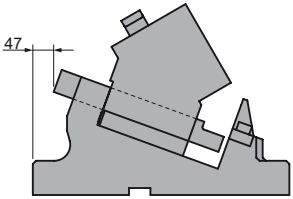




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.2	19.6 (2.0)	39.2 (4.0)	58.9 (6.0)	981.0 (100.0)	12.7	ASCB	0050	00

Order: Model (W) (α)

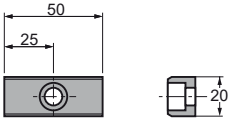
ASCB 0050 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

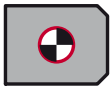
K KEY

K



1 x M8x15

P PINS

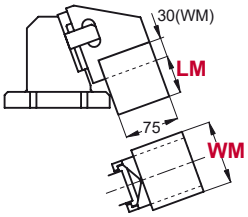


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 00-K
ASCB 0050 00-P12
ASCB 0050 00-WM-LM50
ASCB 0050 00-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

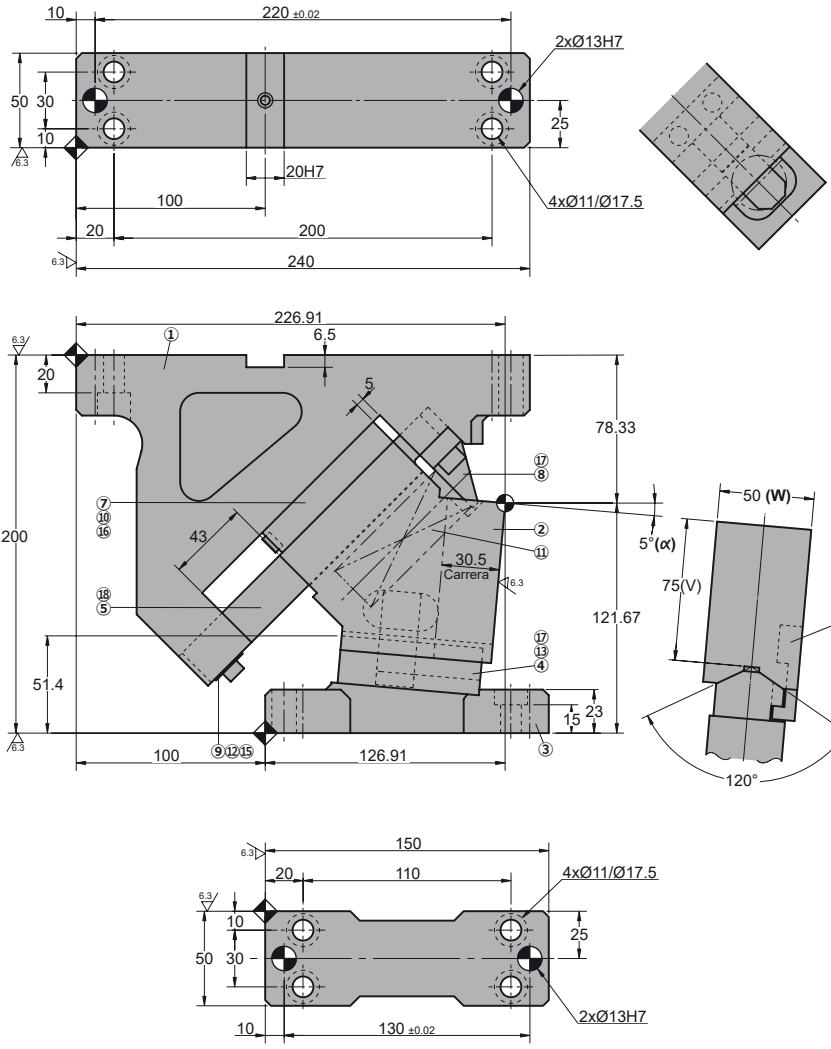
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

ASCB 0050

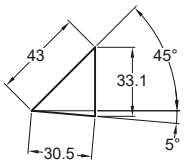
Aerial cam for pierce

AZOL GAS

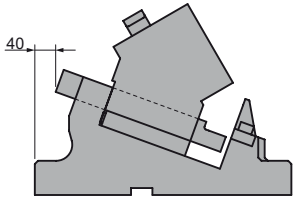
ASCB 0050 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.5	19.6 (2.0)	39.2 (4.0)	137.3 (14.0)	981.0 (100.0)	12.3	ASCB	0050	05

Order: Model (W) (α)

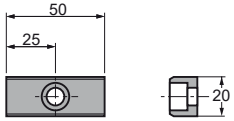
ASCB 0050 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

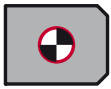
K KEY

K



1 x M8x15

P PINS

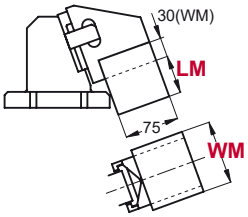


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 05-K
ASCB 0050 05-P12
ASCB 0050 05-WM-LM50
ASCB 0050 05-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

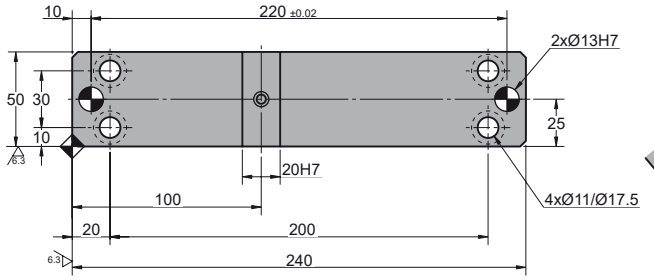
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

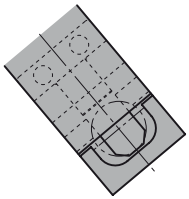
ASCB 0050

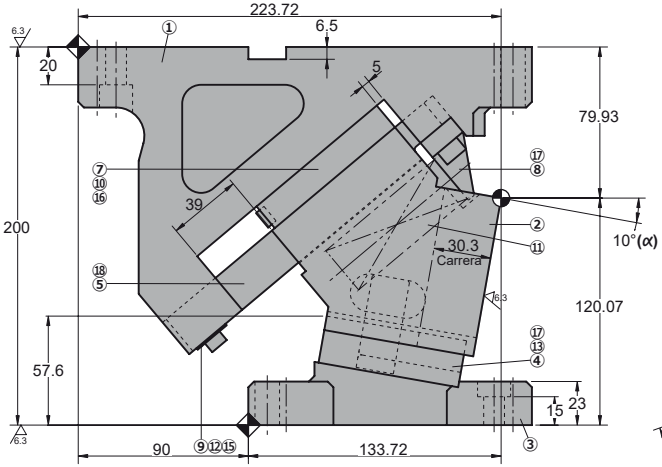
Aerial cam for pierce

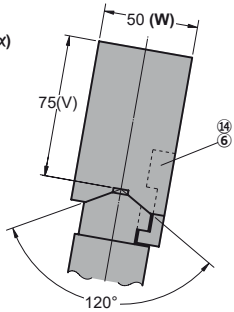
AZOL GAS

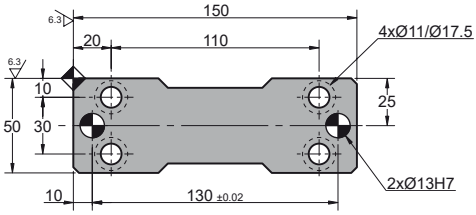
ASCB 0050 10



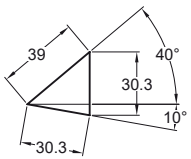




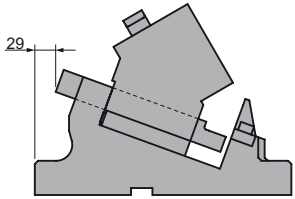




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.3	19.6 (2.0)	39.2 (4.0)	215.8 (22.0)	981.0 (100.0)	11.8	ASCB	0050	10

Order: Model (W) (α)

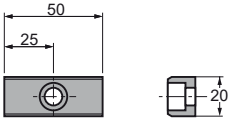
ASCB 0050 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

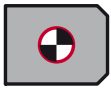
K KEY

K



1 x M8x15

P PINS

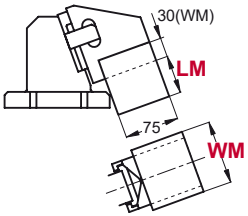


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 10-K
ASCB 0050 10-P12
ASCB 0050 10-WM-LM50
ASCB 0050 10-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-125
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

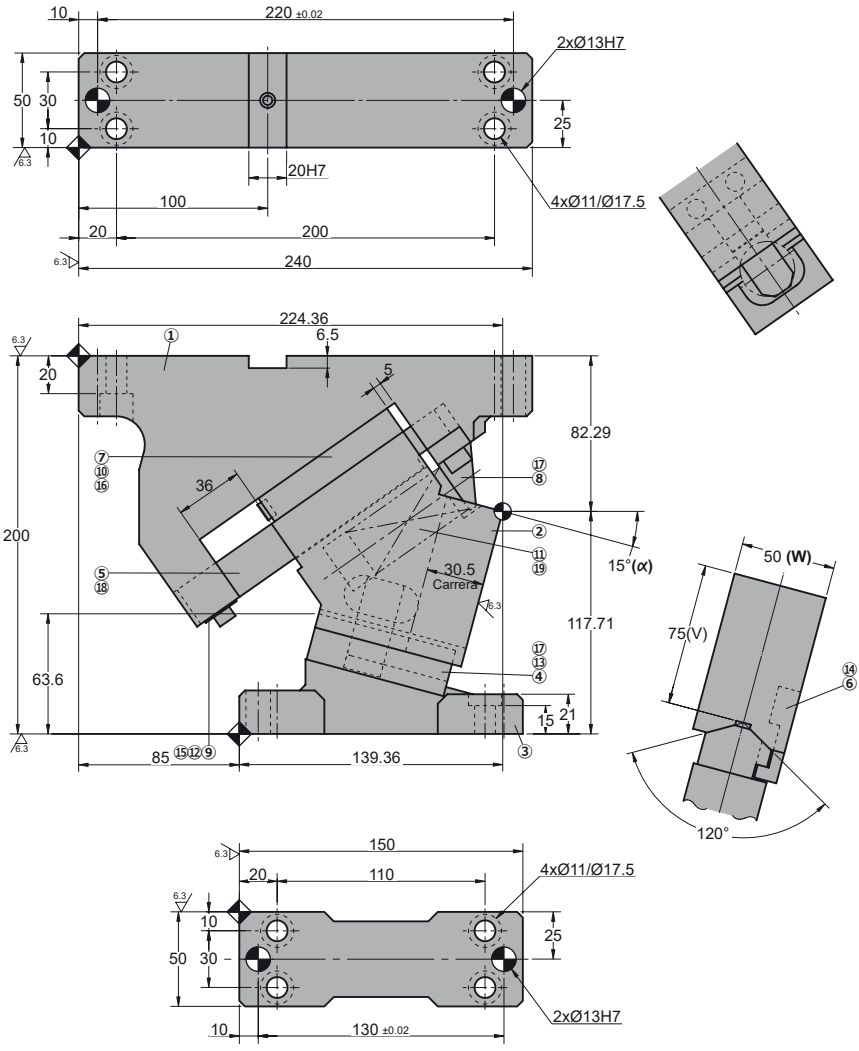
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

ASCB 0050

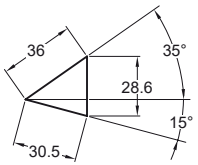
Aerial cam for pierce

AZOL GAS

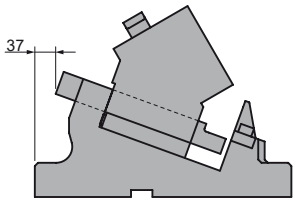
ASCB 0050 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.5	19.6 (2.0)	39.2 (4.0)	98.1 (10.0)	981.2 (100.1)	11.8	ASCB	0050	15

Order: Model (W) (α)

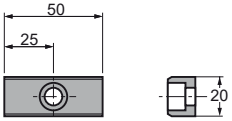
ASCB 0050 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

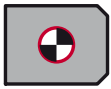
K KEY

K



1 x M8x15

P PINS

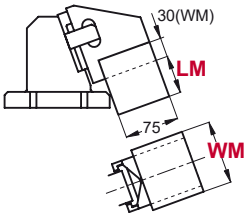


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 15-K
ASCB 0050 15-P12
ASCB 0050 15-WM-LM50
ASCB 0050 15-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-100
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

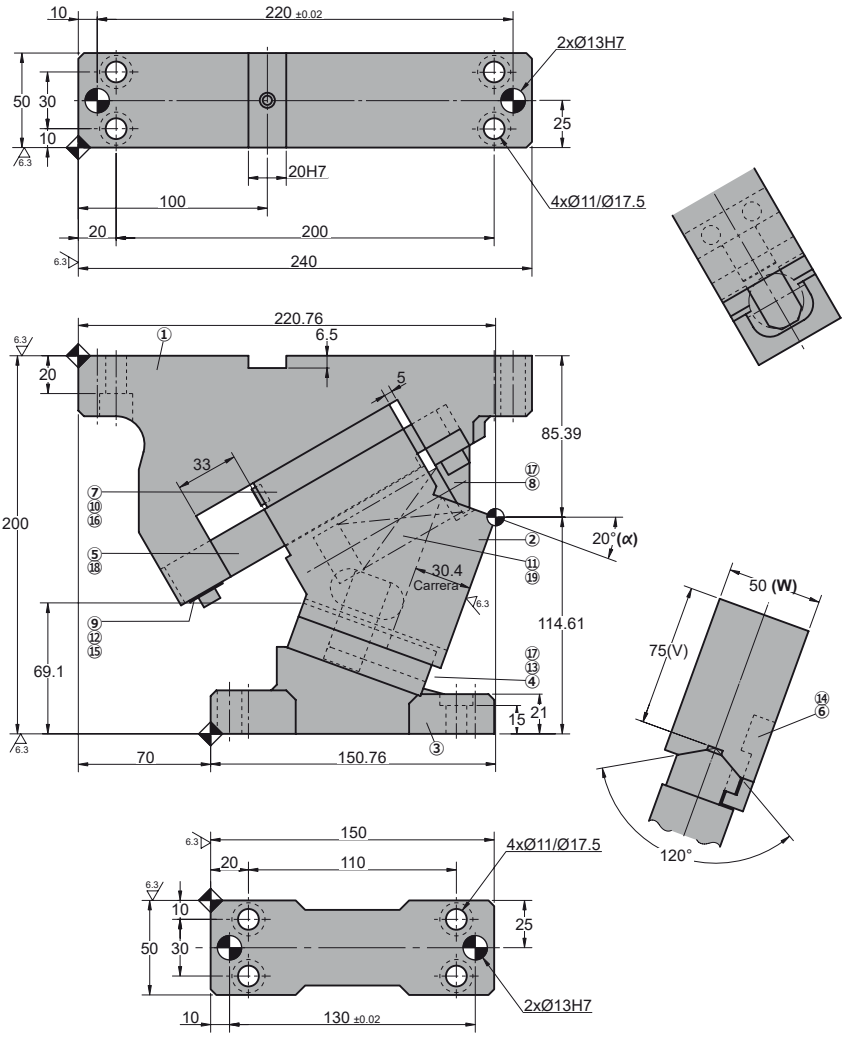
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

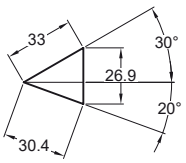
Aerial cam for pierce

AZOL GAS

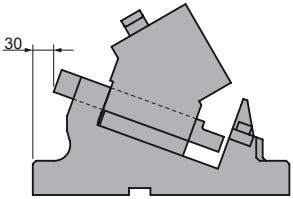
ASCB 0050 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.4	19.6 (2.0)	39.2 (4.0)	171.7 (17.5)	981.2 (100.1)	11.5	ASCB	0050	20

Order: Model (W) (α)

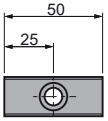
ASCB 0050 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

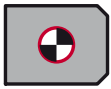
K





1 x M8x15

P PINS

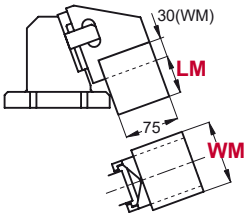


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 20-K
ASCB 0050 20-P12
ASCB 0050 20-WM-LM50
ASCB 0050 20-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-100
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

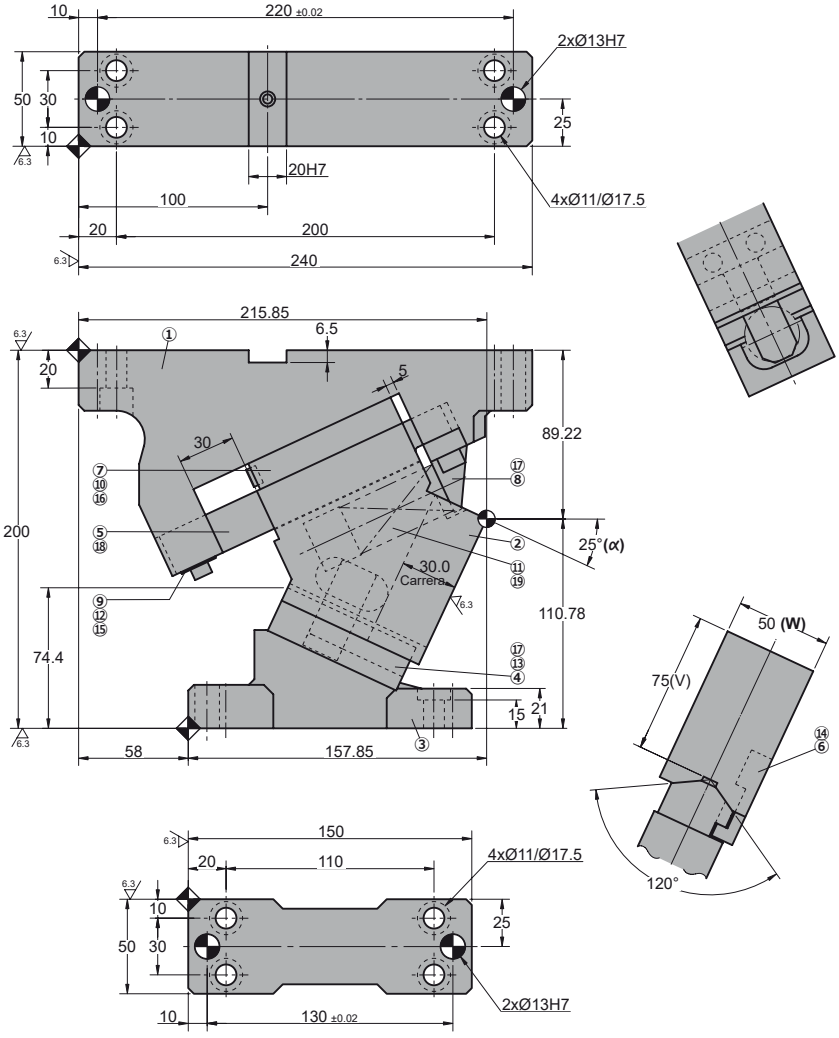
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

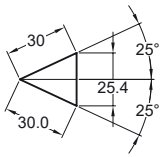
Aerial cam for pierce

AZOL GAS

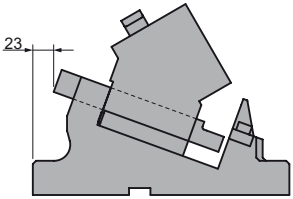
ASCB 0050 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.0	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.3	ASCB	0050	25

Order: Model (W) (α)

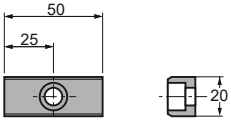
ASCB 0050 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

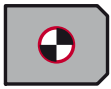
K KEY

K



1 x M8x15

P PINS

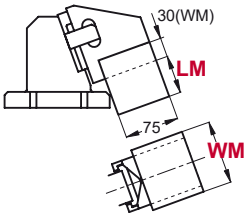


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 25-K
ASCB 0050 25-P12
ASCB 0050 25-WM-LM50
ASCB 0050 25-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

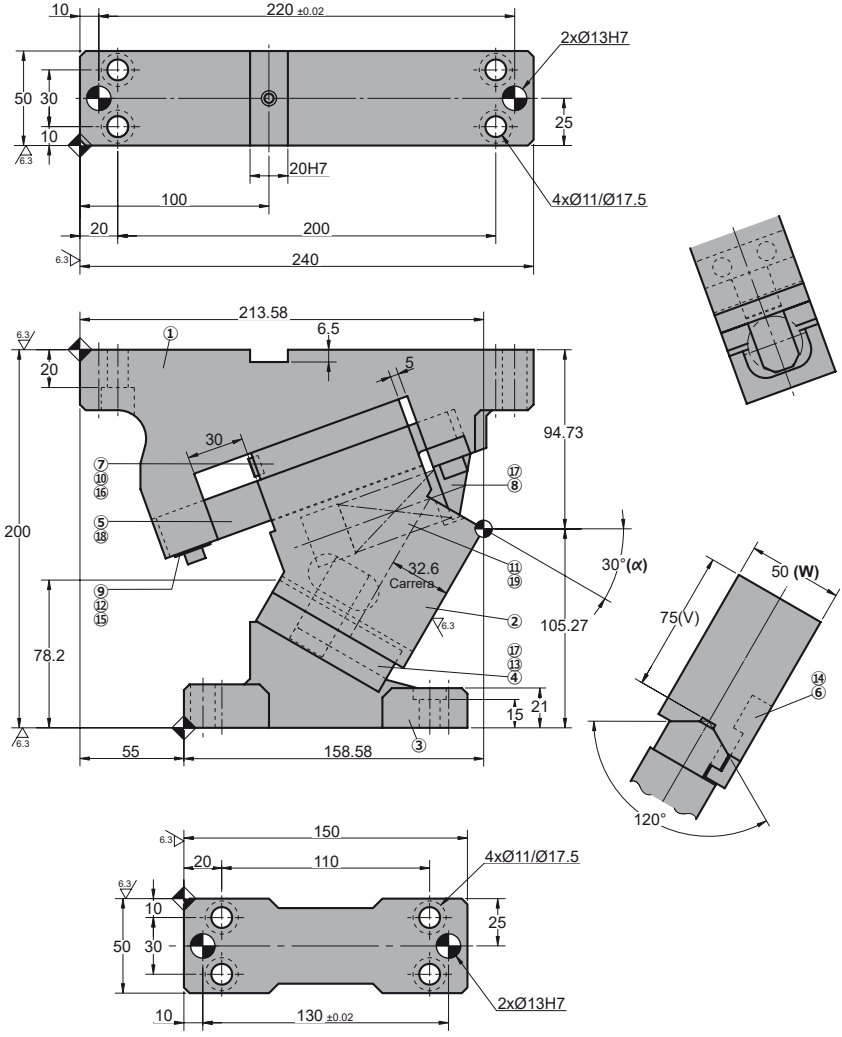
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

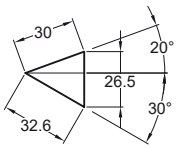
Aerial cam for pierce

AZOL GAS

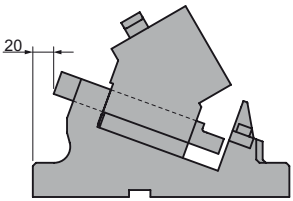
ASCB 0050 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.6	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.1	ASCB	0050	30

Order: Model (W) (α)

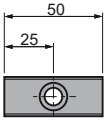
ASCB 0050 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

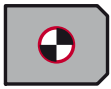
K





1 x M8x15

P PINS

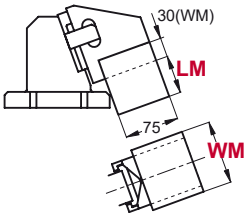


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 30-K
ASCB 0050 30-P12
ASCB 0050 30-WM-LM50
ASCB 0050 30-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

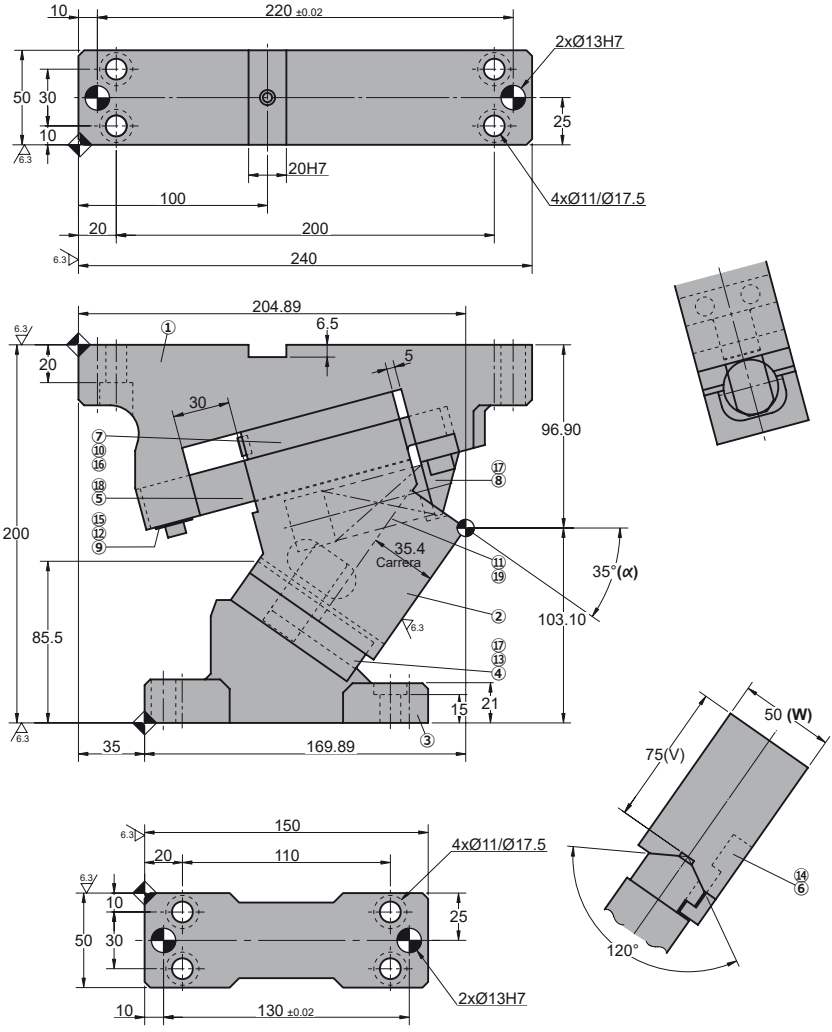
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

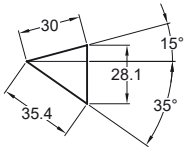
Aerial cam for pierce

AZOL GAS

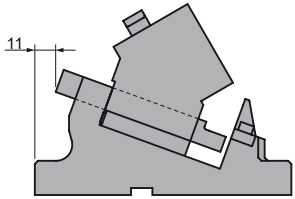
ASCB 0050 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.9	ASCB	0050	35

Order: Model (W) (α)

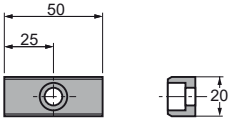
ASCB 0050 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

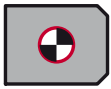
K KEY

K



1 x M8x15

P PINS

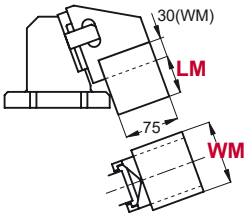


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 35-K
ASCB 0050 35-P12
ASCB 0050 35-WM-LM50
ASCB 0050 35-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

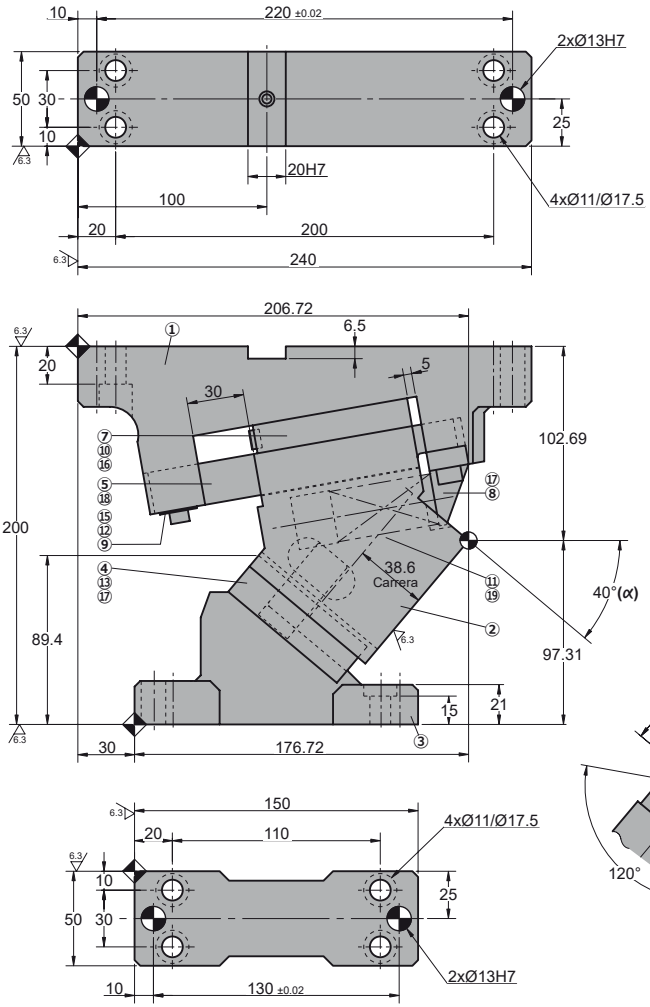
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

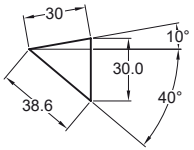
Aerial cam for pierce

AZOL GAS

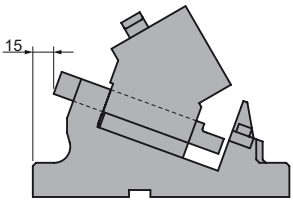
ASCB 0050 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.9	ASCB	0050	40

Order: Model (W) (α)

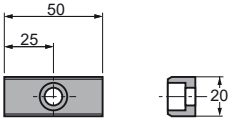
ASCB 0050 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

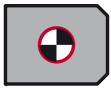
K KEY

K



1 x M8x15

P PINS

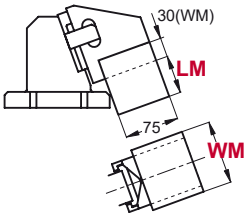


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 40-K
ASCB 0050 40-P12
ASCB 0050 40-WM-LM50
ASCB 0050 40-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Broze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

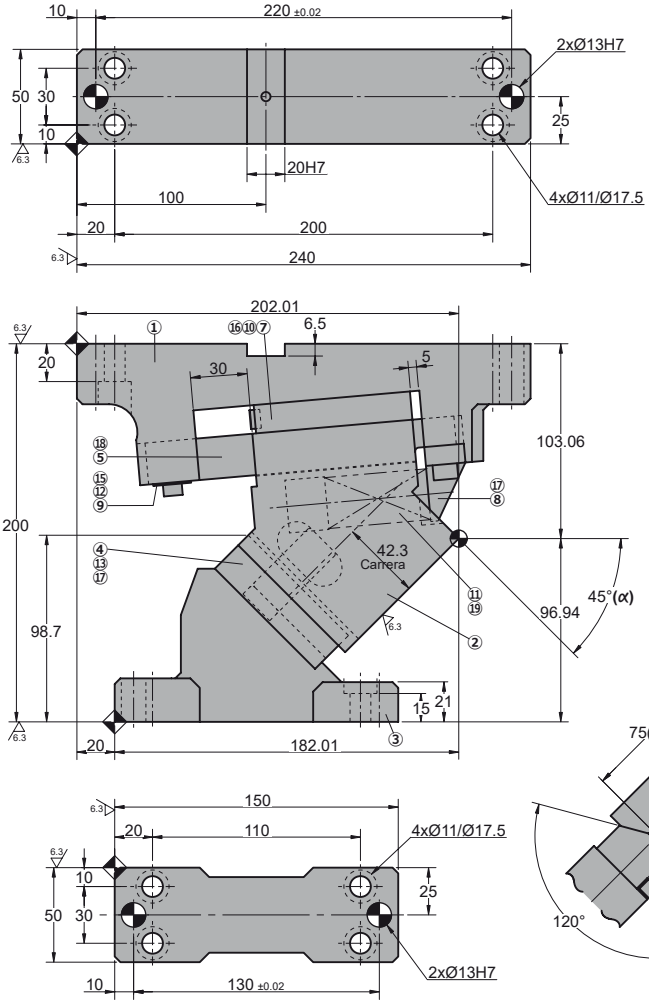
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

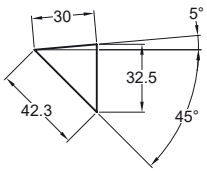
Aerial cam for pierce

AZOL GAS

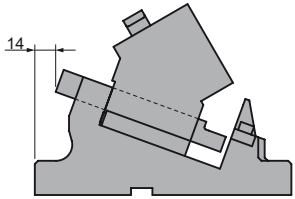
ASCB 0050 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.6	ASCB	0050	45

Order: Model (W) (α)

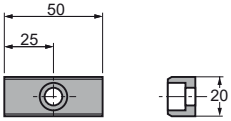
ASCB 0050 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

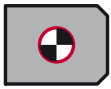
K KEY

K



1 x M8x15

P PINS

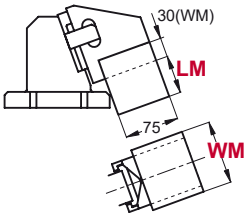


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 45-K
ASCB 0050 45-P12
ASCB 0050 45-WM-LM50
ASCB 0050 45-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

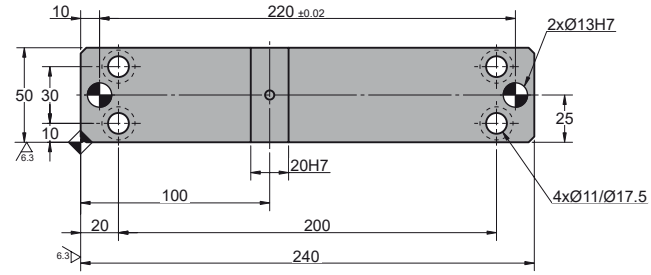
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

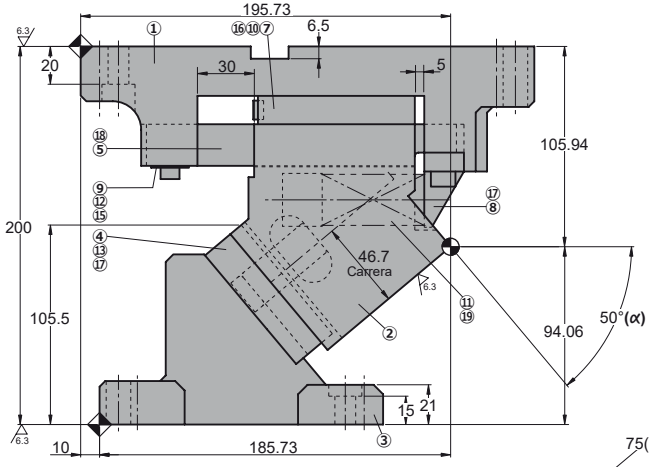
ASCB 0050

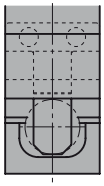
Aerial cam for pierce

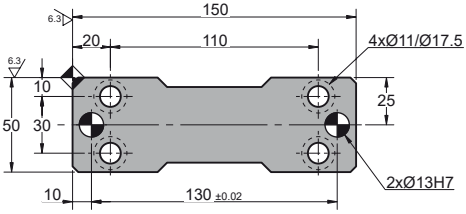
AZOL GAS

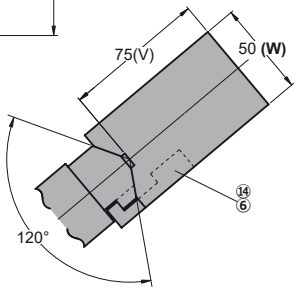
ASCB 0050 50



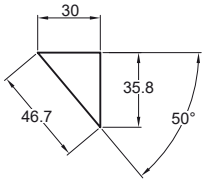




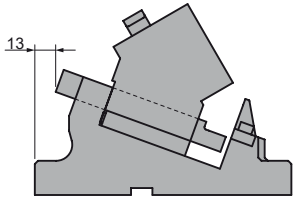




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.6	ASCB	0050	50

Order: Model (W) (α)

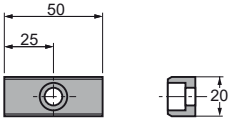
ASCB 0050 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

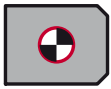
K KEY

K



1 x M8x15

P PINS

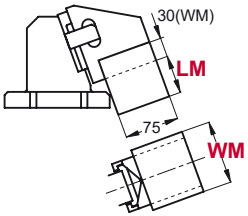


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 50-K
ASCB 0050 50-P12
ASCB 0050 50-WM-LM50
ASCB 0050 50-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

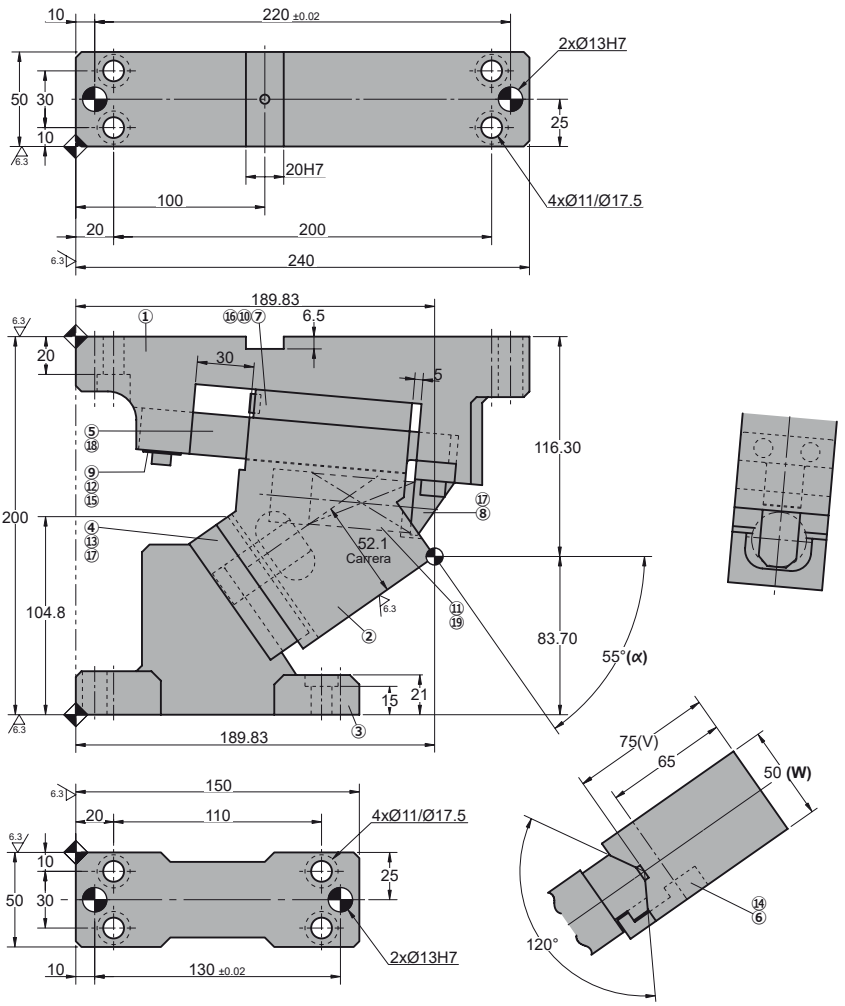
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

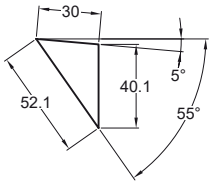
Aerial cam for pierce

AZOL GAS

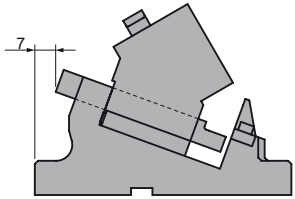
ASCB 0050 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.1	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	10.8	ASCB	0050	55

Order: Model (W) (α)

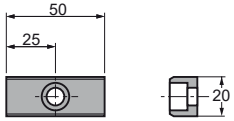
ASCB 0050 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

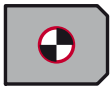
K KEY

K



1 x M8x15

P PINS

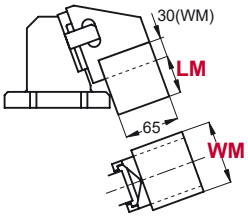


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 55-K
ASCB 0050 55-P12
ASCB 0050 55-WM-LM50
ASCB 0050 55-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

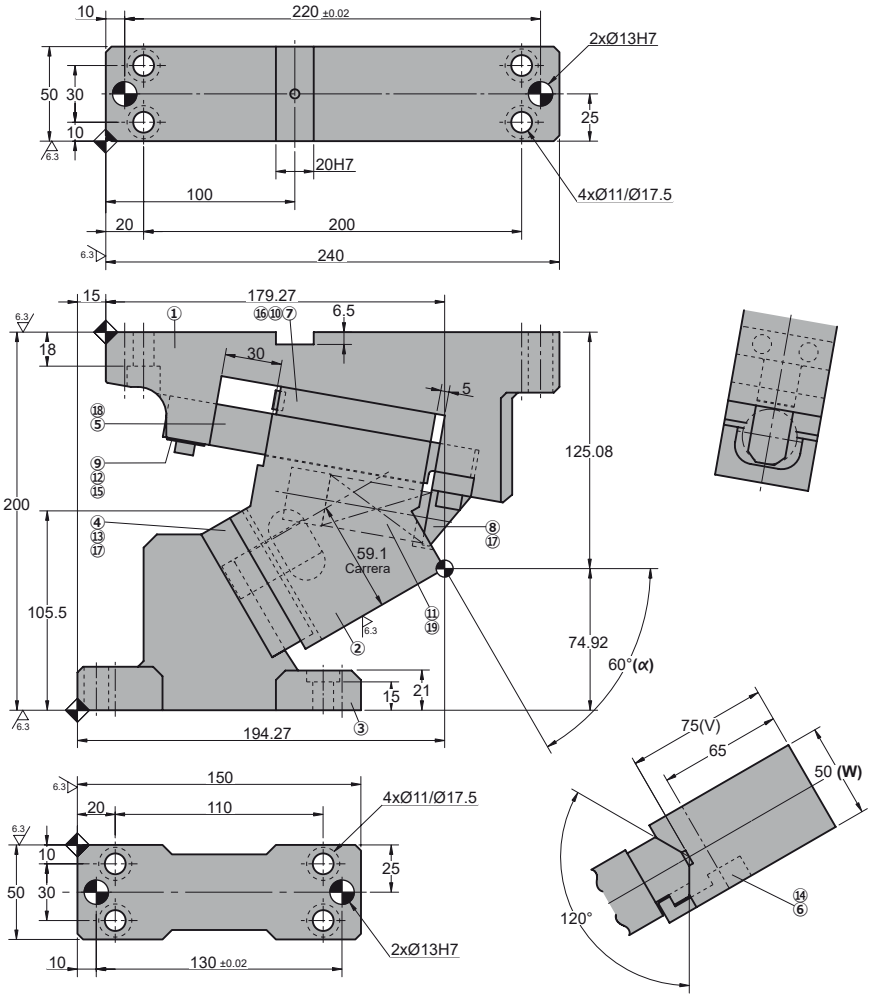
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

ASCB 0050

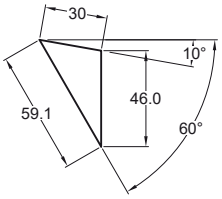
Aerial cam for pierce

AZOL GAS

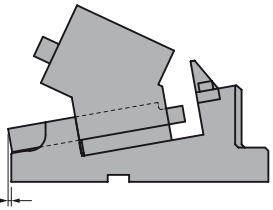
ASCB 0050 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.1	19.6 (2.0)	39.2 (4.0)	163.5 (16.7)	981.0 (100.0)	11.2	ASCB	0050	60

Order: Model (W) (α)

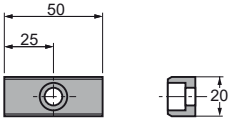
ASCB 0050 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

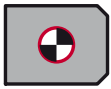
K KEY

K



1 x M8x15

P PINS

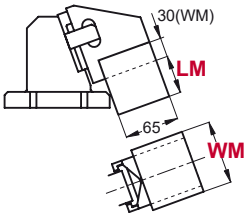


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 60-K
ASCB 0050 60-P12
ASCB 0050 60-WM-LM50
ASCB 0050 60-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

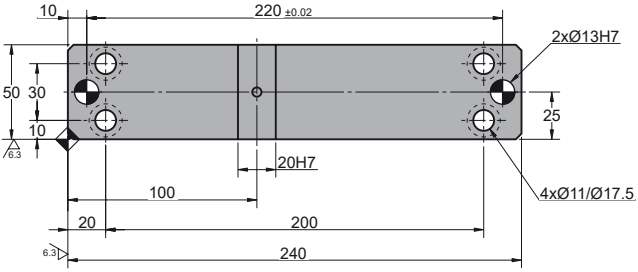
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35
⑲	Espaciador	1	CK45

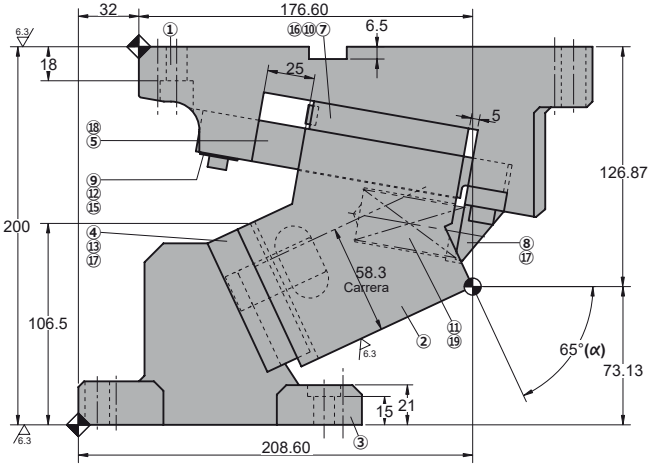
ASCB 0050

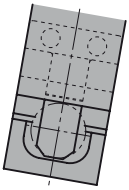
Aerial cam for pierce

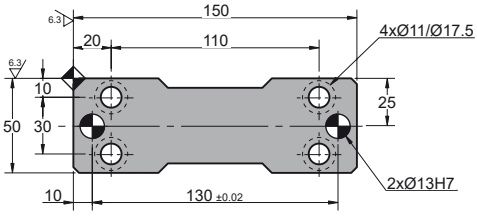
AZOL GAS

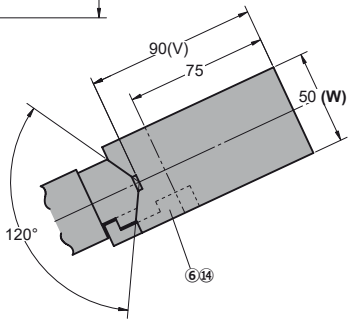
ASCB 0050 65



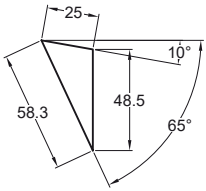




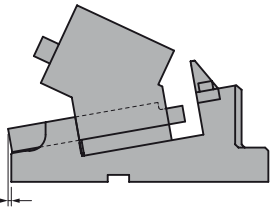




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.3	19.6 (2.0)	39.2 (4.0)	299.8 (30.6)	981.0 (100.0)	11.6	ASCB	0050	65

Order: Model (W) (α)

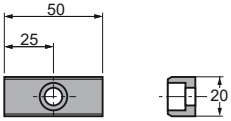
ASCB 0050 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

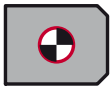
K KEY

K



1 x M8x15

P PINS

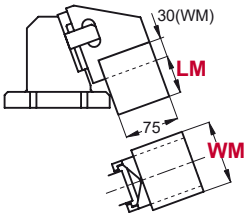


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 65-K
ASCB 0050 65-P12
ASCB 0050 65-WM-LM50
ASCB 0050 65-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-90
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

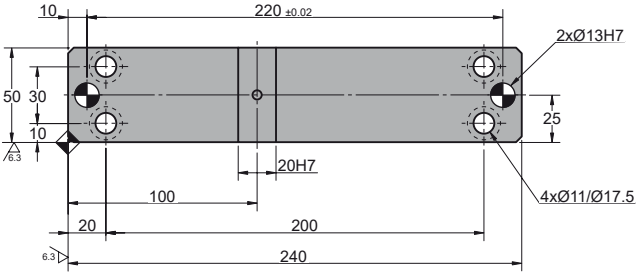
No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

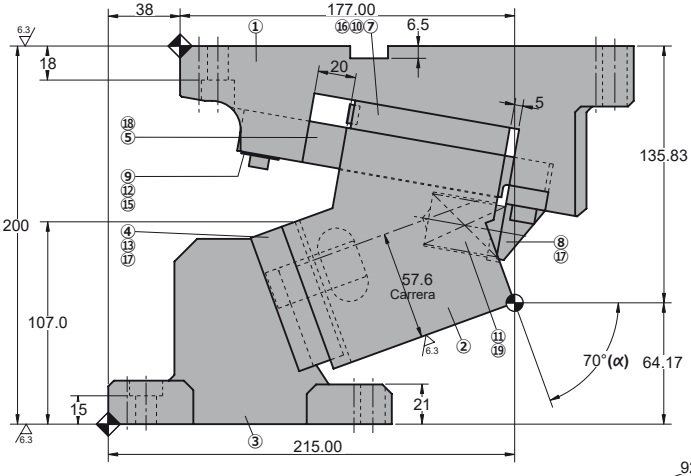
ASCB 0050

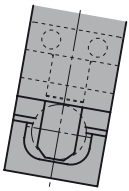
Aerial cam for pierce

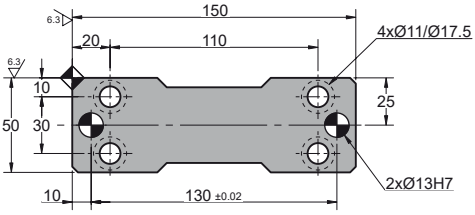
AZOL GAS

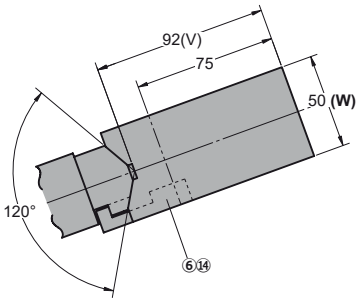
ASCB 0050 70



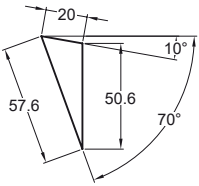




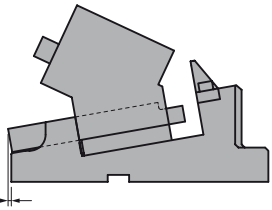




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.6	19.6 (2.0)	39.2 (4.0)	226.4 (23.1)	981.2 (100.1)	12.0	ASCB	0050	70

Order: Model (W) (α)

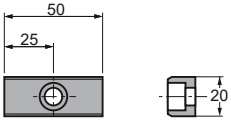
ASCB 0050 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

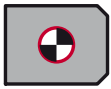
K KEY

K



1 x M8x15

P PINS

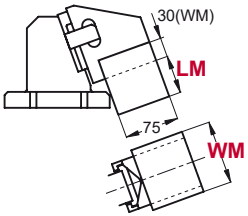


P12 - Ø12 H7

LM - WM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 65mm. e.g. WM65



Order Options: Model (W) (α)-Option

ASCB 0050 70-K
ASCB 0050 70-P12
ASCB 0050 70-WM-LM50
ASCB 0050 70-P12-WM-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑦ Upper Slide Plate
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Guide Bar	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Upper Slide Plate	1	Bronze + G
⑧	Spring Stopper Block	1	CK22
⑨	Security Plate	1	CK45
⑩	Cushioning Stopper	2	Urethane
⑪	Coil Spring	1	TL27-65
⑫	Disc Spring	2	M6
⑬	Dowel Pin	4	Ø8 x 30
⑭	Screw	1	M8 x 18
⑮	Screw	2	M6 x 10

No.		Qty.	Material
⑯	Screw	4	M8 x 20
⑰	Screw	4	M8 x 25
⑱	Screw	1	M10 x 35

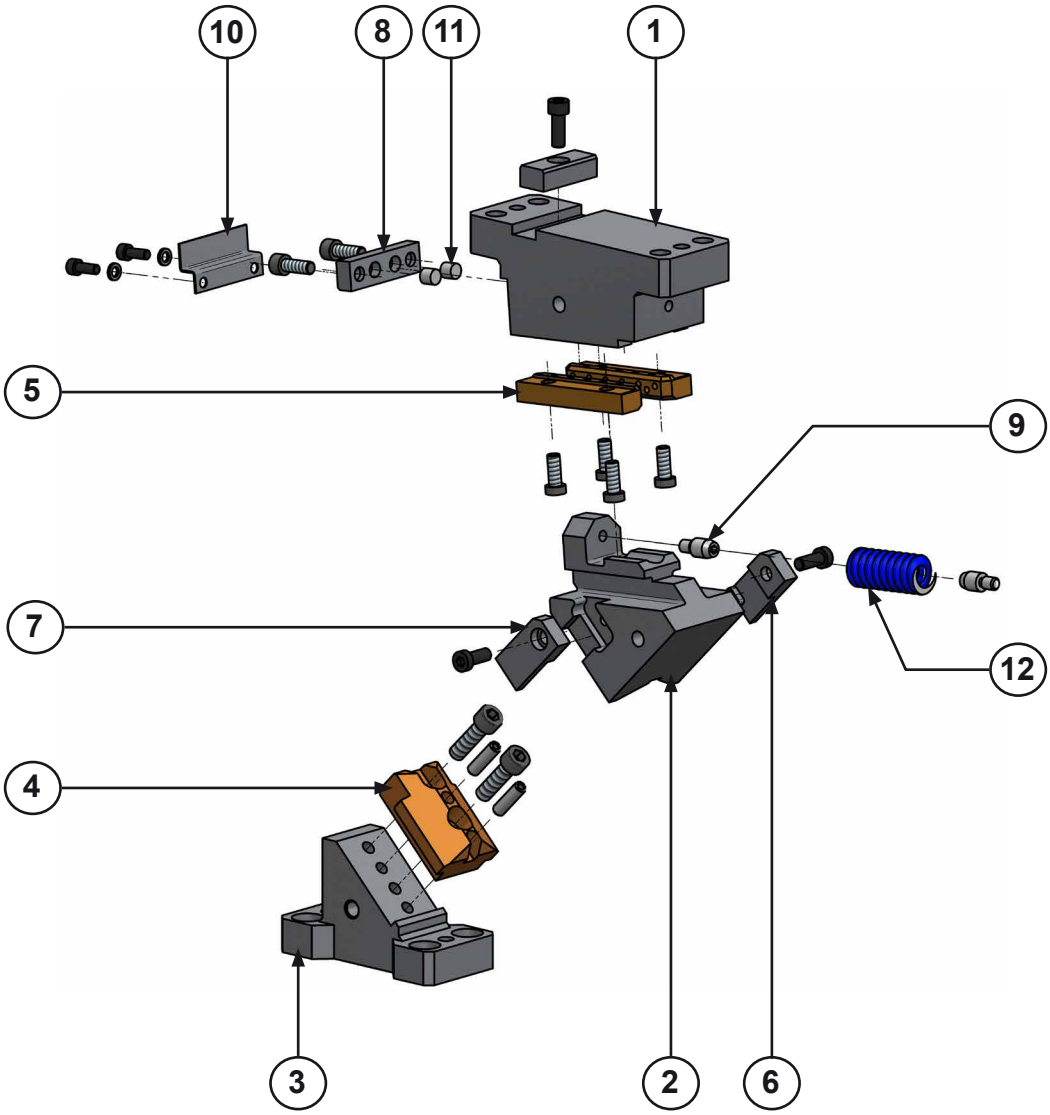
ASCB 0050

Aerial cam for pierce

AZOL GAS

ASCB 0065

Aerial cam for pierce

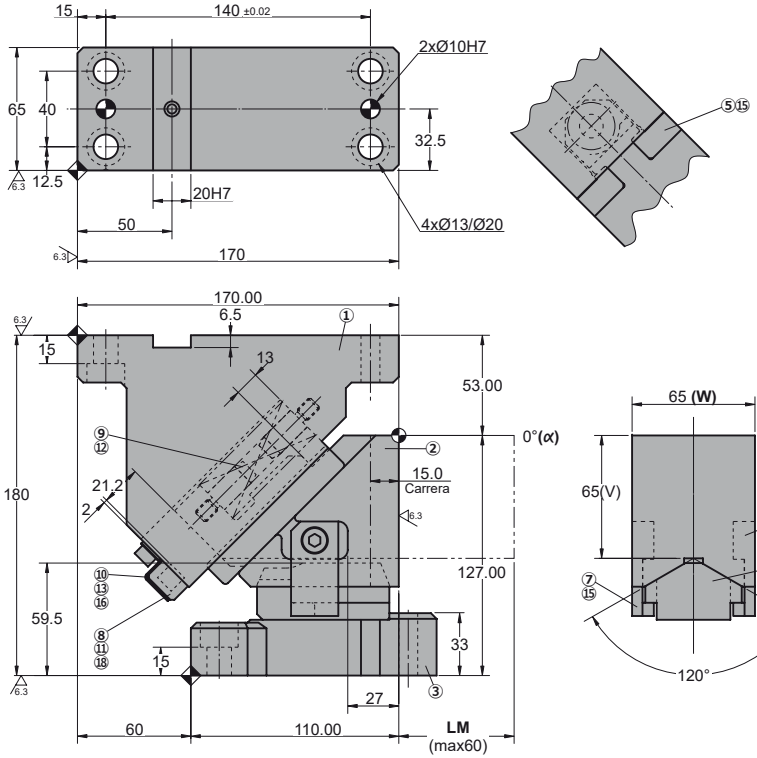


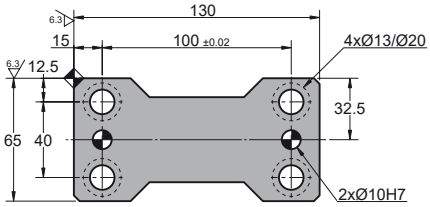
ASCB 0065

Aerial cam for pierce

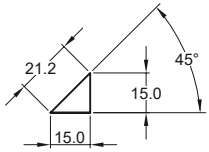
AZOL GAS

ASCB 0065 00

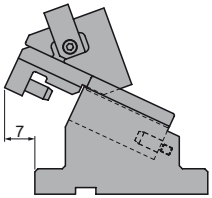




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.0	19.6 (2.0)	39.2 (4.0)	288.0 (29.4)	1186.1 (121.0)	9.5	ASCB	0065	00

Order: Model (W) (α)

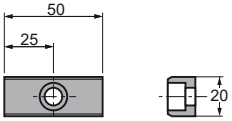
ASCB 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

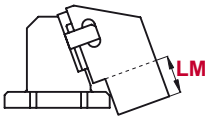
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 00-K

ASCB 0065 00-LM50

ASCB 0065 00-LM50-K

SPARE PARTS:
- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-90
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

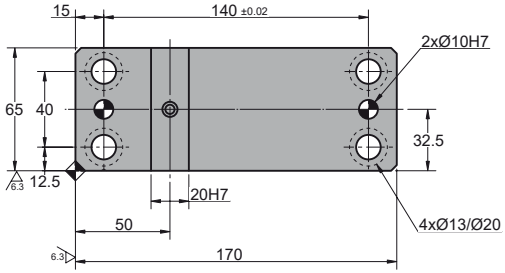
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

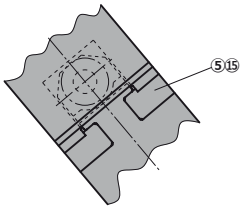
ASCB 0065

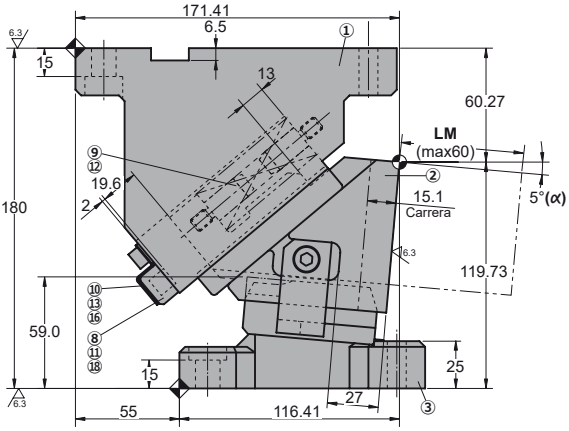
Aerial cam for pierce

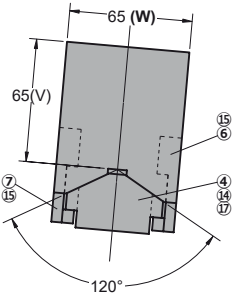
AZOL GAS

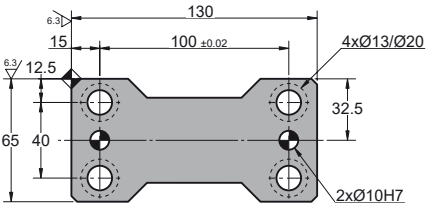
ASCB 0065 05



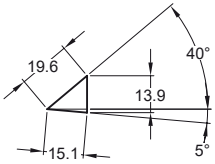




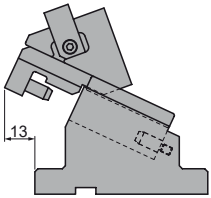




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.1	19.6 (2.0)	39.2 (4.0)	355.8 (36.3)	1186.1 (121.0)	9.3	ASCB	0065	05

Order: Model (W) (α)

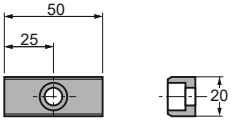
ASCB 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — KEY

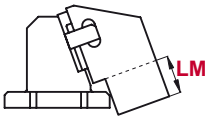
K



1 x M8x15

LM — MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 05-K
ASCB 0065 05-LM50
ASCB 0065 05-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-90
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

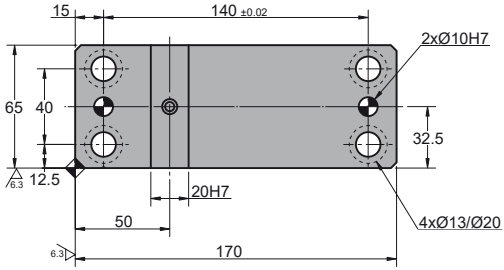
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

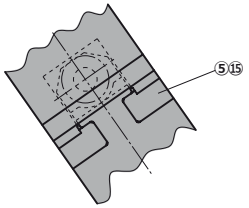
ASCB 0065

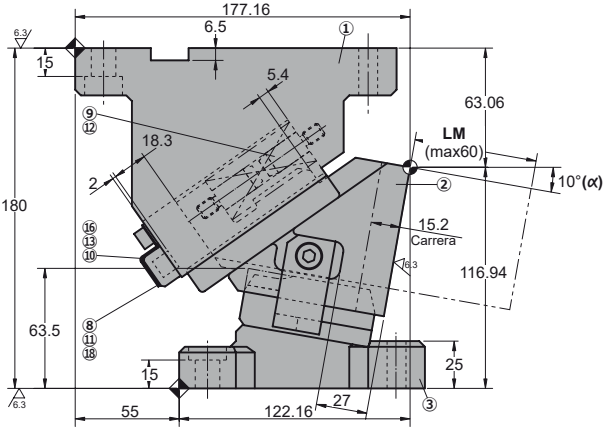
Aerial cam for pierce

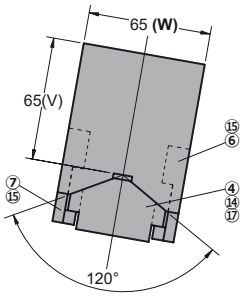
AZOL GAS

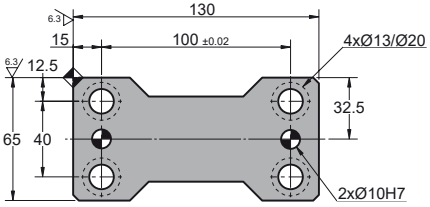
ASCB 0065 10



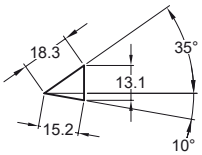




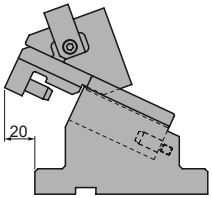




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.2	19.6 (2.0)	39.2 (4.0)	347.9 (35.5)	1220.1 (124.5)	9.0	ASCB	0065	10

Order: Model (W) (α)

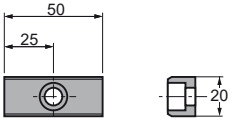
ASCB 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

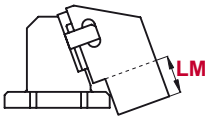
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 10-K

ASCB 0065 10-LM50

ASCB 0065 10-LM50-K

SPARE PARTS:
- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

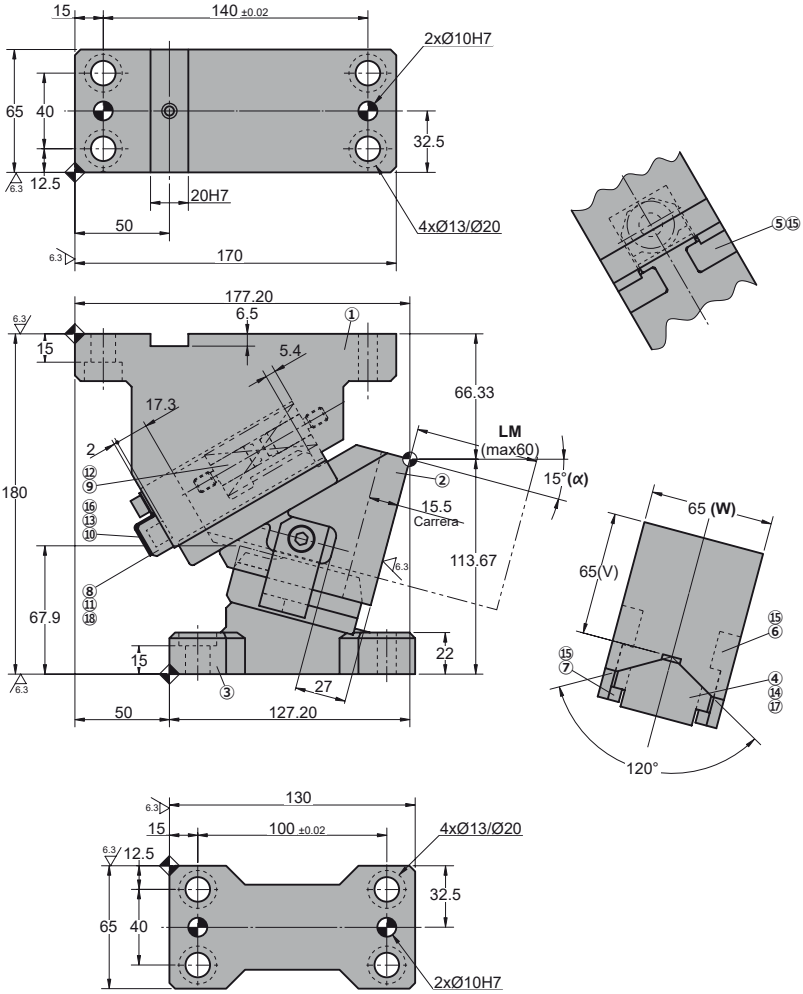
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

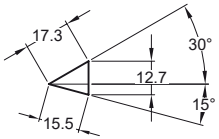
Aerial cam for pierce

AZOL GAS

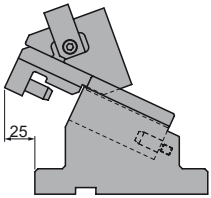
ASCB 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.5	19.6 (2.0)	39.2 (4.0)	395.6 (40.3)	1220.1 (124.5)	8.8	ASCB	0065	15

Order: Model (W) (α)

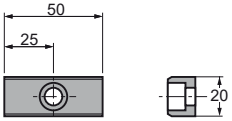
ASCB 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

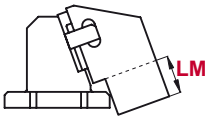
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 15-K

ASCB 0065 15-LM50

ASCB 0065 15-LM50-K

SPARE PARTS:
- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

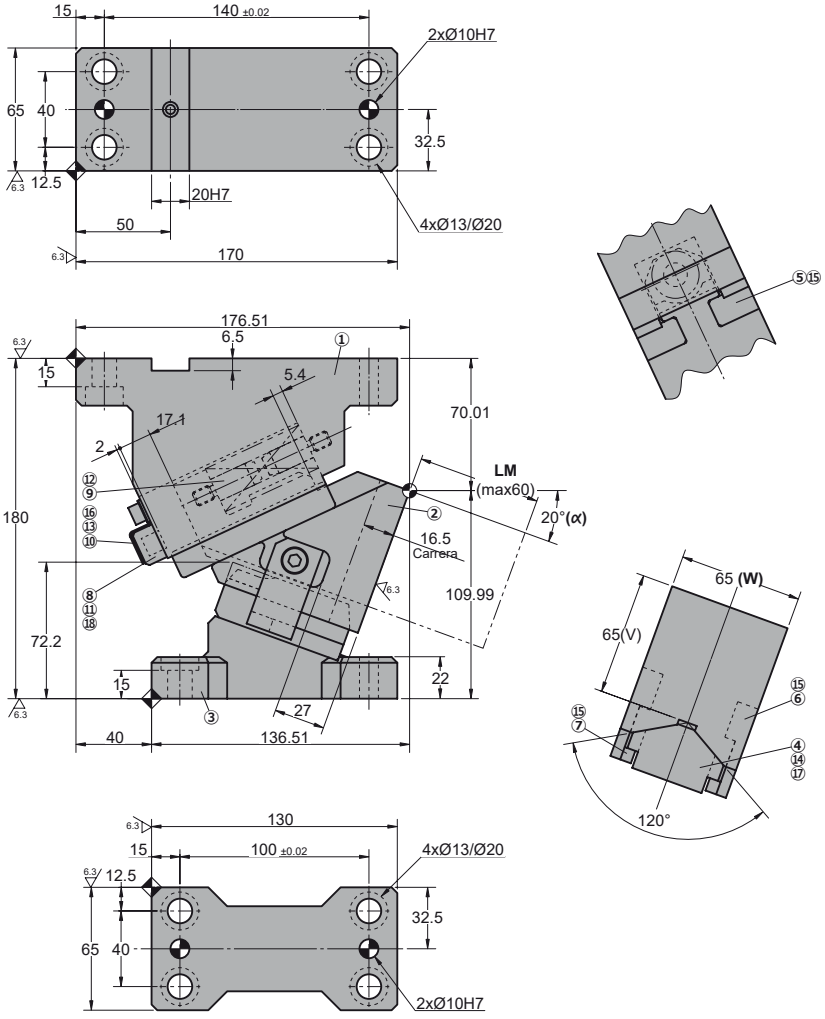
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

ASCB 0065

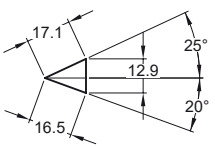
Aerial cam for pierce

AZOL GAS

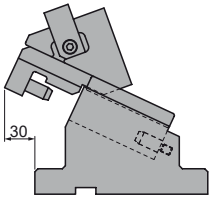
ASCB 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
16.5	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.6	ASCB	0065	20

Order: Model (W) (α)

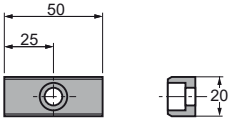
ASCB 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

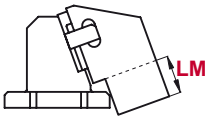
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 20-K

ASCB 0065 20-LM50

ASCB 0065 20-LM50-K

SPARE PARTS:

④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

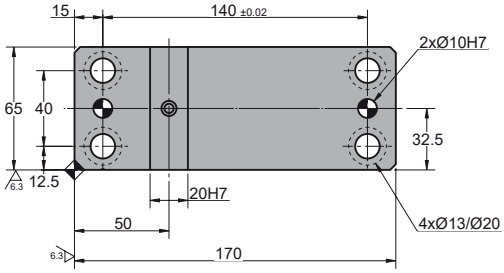
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

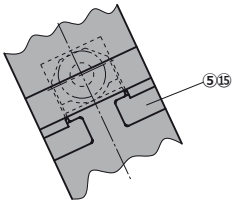
ASCB 0065

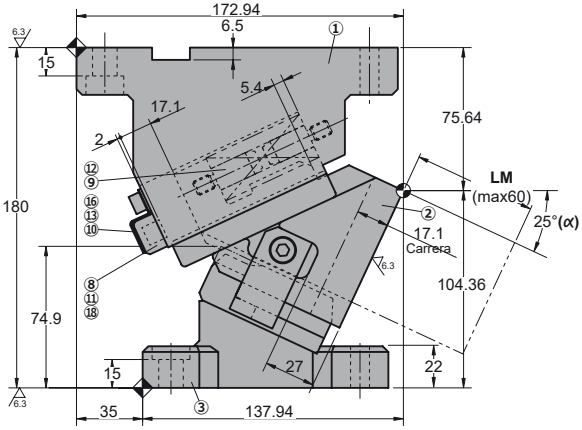
Aerial cam for pierce

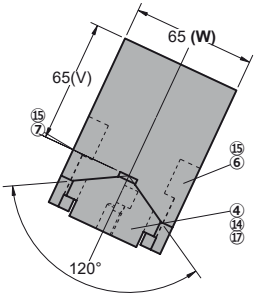
AZOL GAS

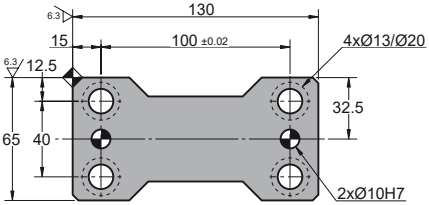
ASCB 0065 25



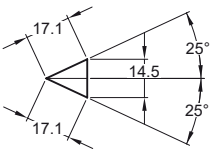




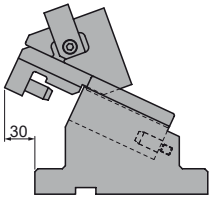




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
17.1	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.5	ASCB	0065	25

Order: Model (W) (α)

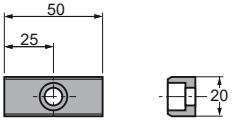
ASCB 0065 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

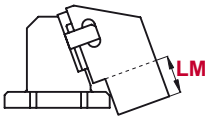
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 25-K

ASCB 0065 25-LM50

ASCB 0065 25-LM50-K

SPARE PARTS:

④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

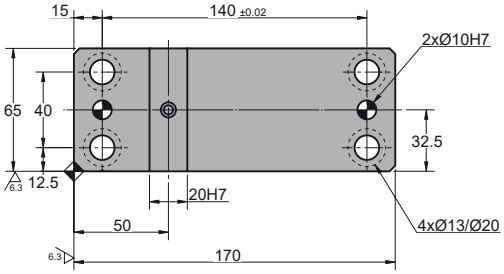
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

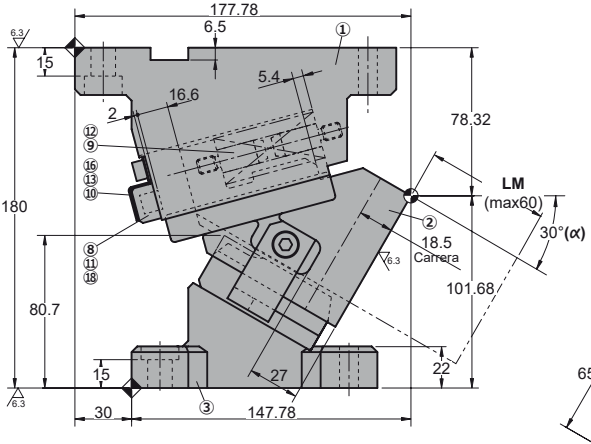
ASCB 0065

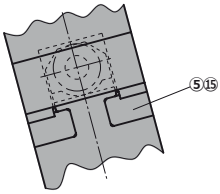
Aerial cam for pierce

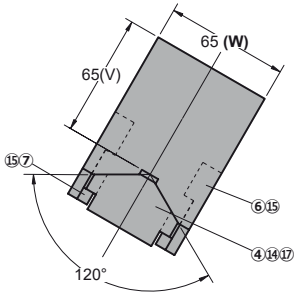
AZOL GAS

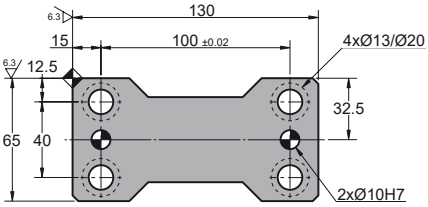
ASCB 0065 30



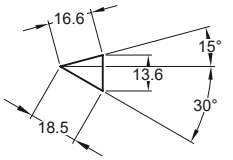




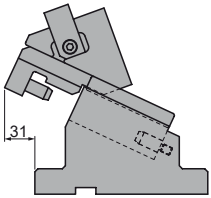




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
18.5	19.6 (2.0)	39.2 (4.0)	428.9 (43.8)	1220.1 (124.5)	8.3	ASCB	0065	30

Order: Model (W) (α)

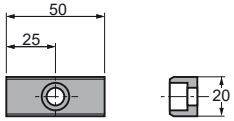
ASCB 0065 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

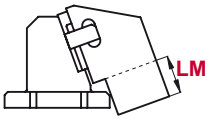
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 30-K

ASCB 0065 30-LM50

ASCB 0065 30-LM50-K

SPARE PARTS:

④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

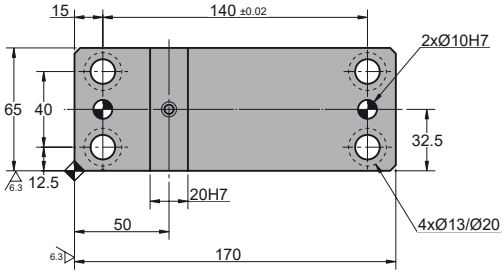
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

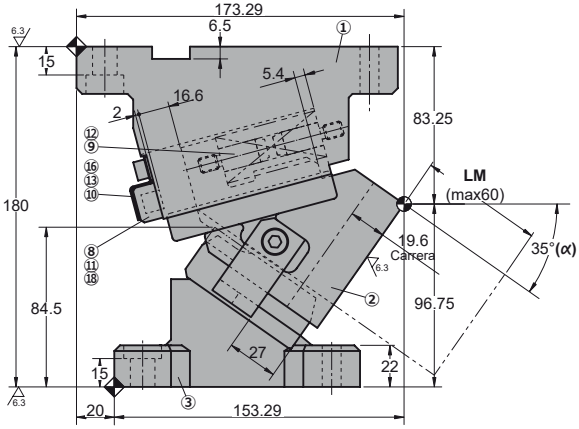
ASCB 0065

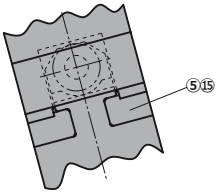
Aerial cam for pierce

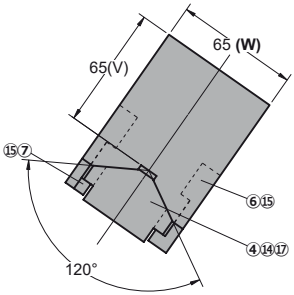
AZOL GAS

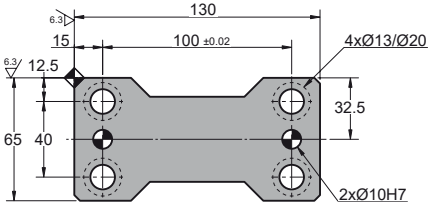
ASCB 0065 35



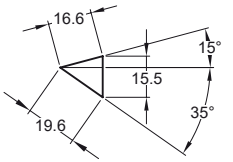




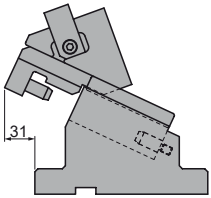




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
19.6	19.6 (2.0)	39.2 (4.0)	428.9 (43.8)	1220.1 (124.5)	8.3	ASCB	0065	35

Order: Model (W) (α)

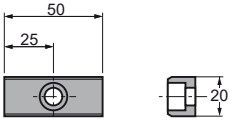
ASCB 0065 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — KEY

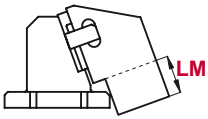
K



1 x M8x15

LM — MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 35-K
ASCB 0065 35-LM50
ASCB 0065 35-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

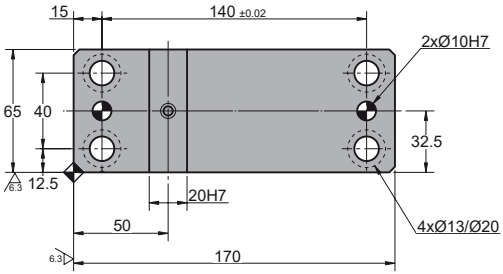
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

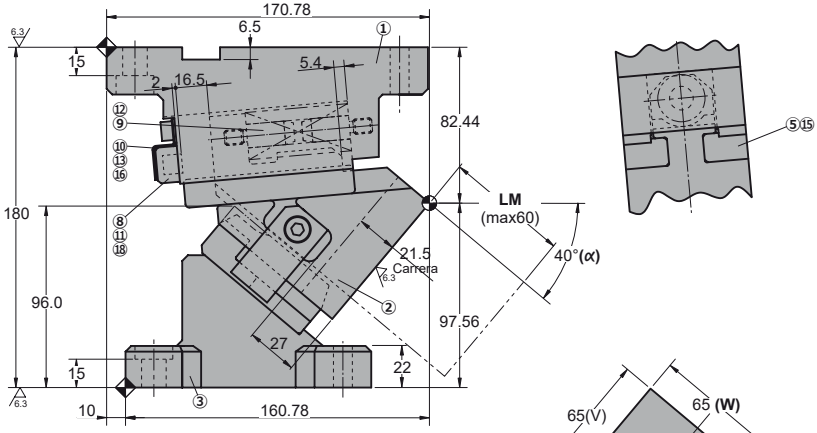
ASCB 0065

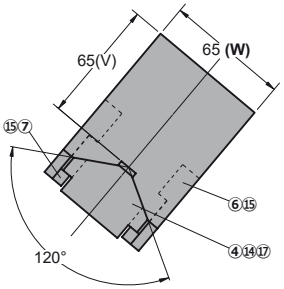
Aerial cam for pierce

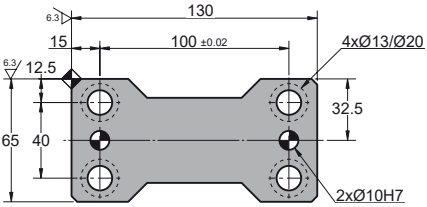
AZOL GAS

ASCB 0065 40

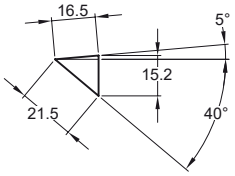




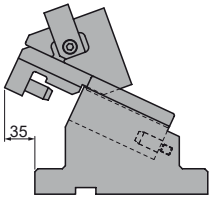




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
21.5	19.6 (2.0)	39.2 (4.0)	433.7 (44.3)	1220.1 (124.5)	8.1	ASCB	0065	40

Order: Model (W) (α)

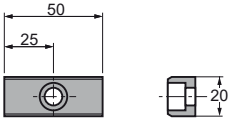
ASCB 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — KEY

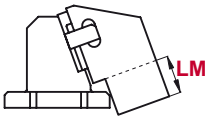
K



1 x M8x15

LM — MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 40-K
ASCB 0065 40-LM50
ASCB 0065 40-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

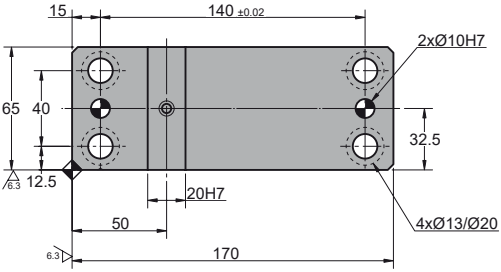
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

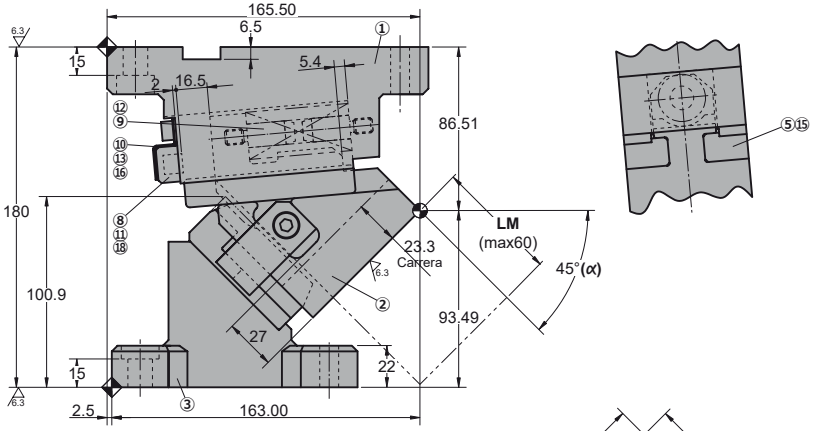
ASCB 0065

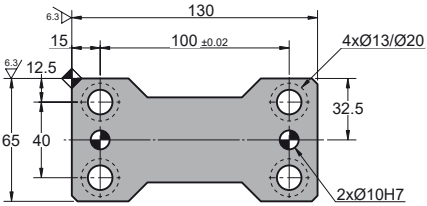
Aerial cam for pierce

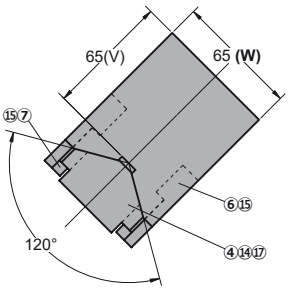
AZOL GAS

ASCB 0065 45

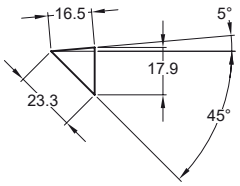




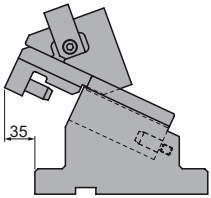




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	19.6 (2.0)	39.2 (4.0)	433.7 (44.3)	1220.1 (124.5)	8.1	ASCB	0065	45

Order: Model (W) (α)

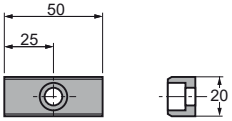
ASCB 0065 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

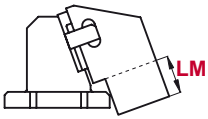
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 45-K
ASCB 0065 45-LM50
ASCB 0065 45-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

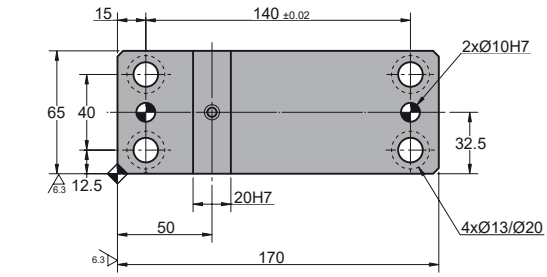
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

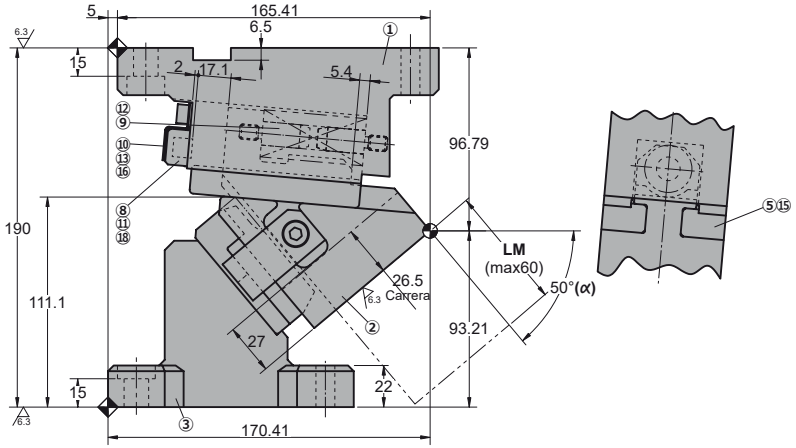
ASCB 0065

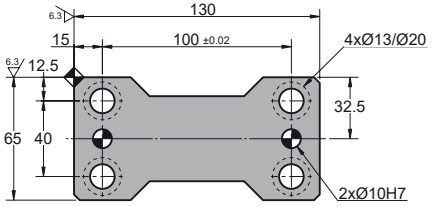
Aerial cam for pierce

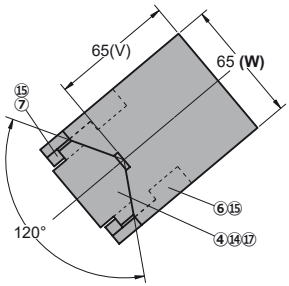
AZOL GAS

ASCB 0065 50

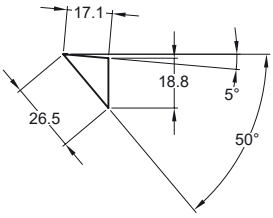




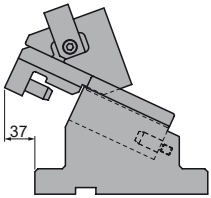




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
26.5	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.4	ASCB	0065	50

Order: Model (W) (α)

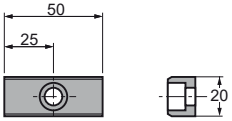
ASCB 0065 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

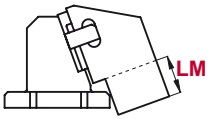
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 50-K

ASCB 0065 50-LM50

ASCB 0065 50-LM50-K

SPARE PARTS:
- ④ Cam Slider Guide
- ⑤ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

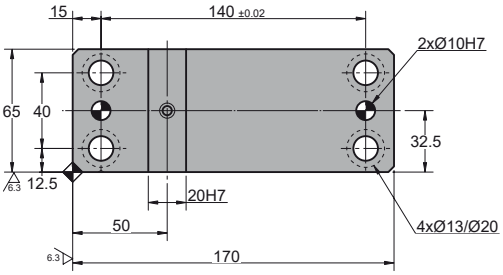
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

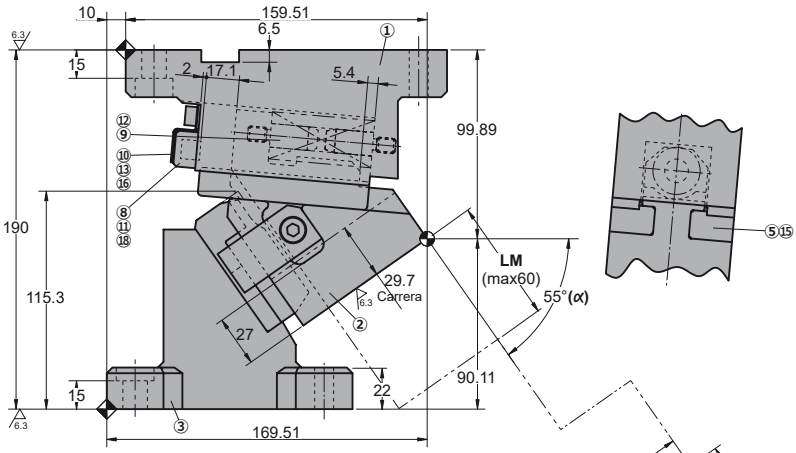
ASCB 0065

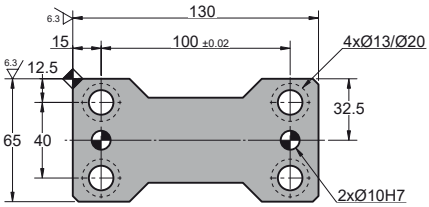
Aerial cam for pierce

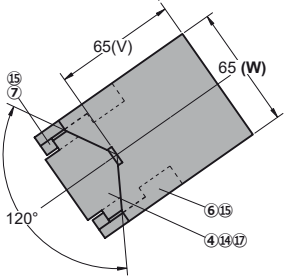
AZOL GAS

ASCB 0065 55

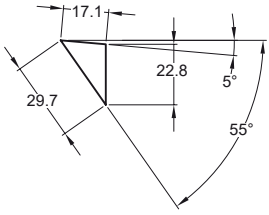




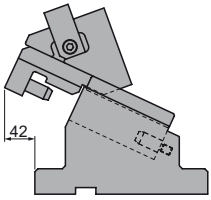




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
29.7	19.6 (2.0)	39.2 (4.0)	405.1 (41.3)	1220.1 (124.5)	8.4	ASCB	0065	55

Order: Model (W) (α)

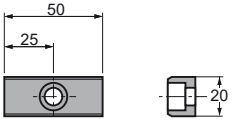
ASCB 0065 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

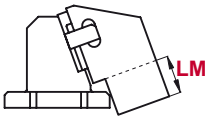
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 55-K

ASCB 0065 55-LM50

ASCB 0065 55-LM50-K

SPARE PARTS:

④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

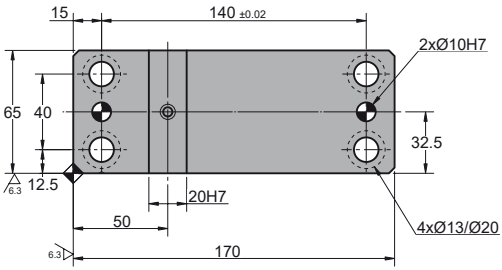
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

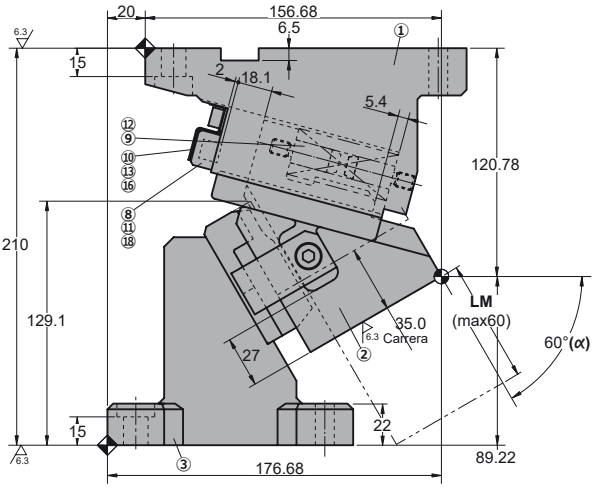
ASCB 0065

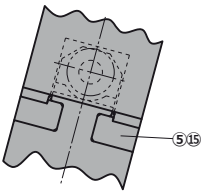
Aerial cam for pierce

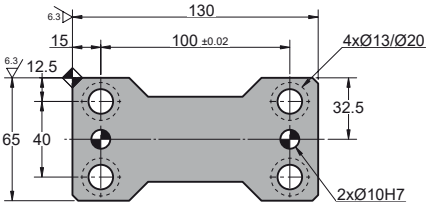
AZOL GAS

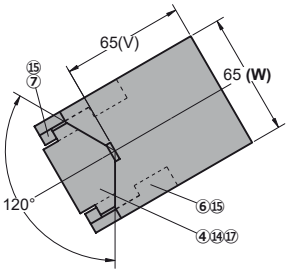
ASCB 0065 60



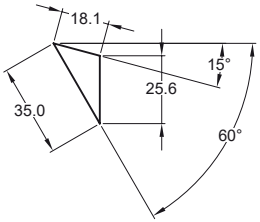




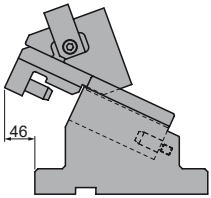




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.3	ASCB	0065	60

Order: Model (W) (α)

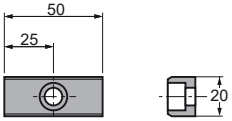
ASCB 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

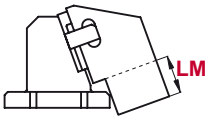
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 60-K
ASCB 0065 60-LM50
ASCB 0065 60-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

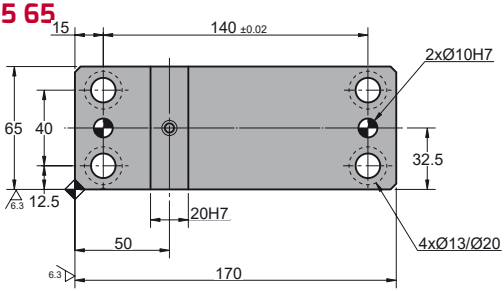
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

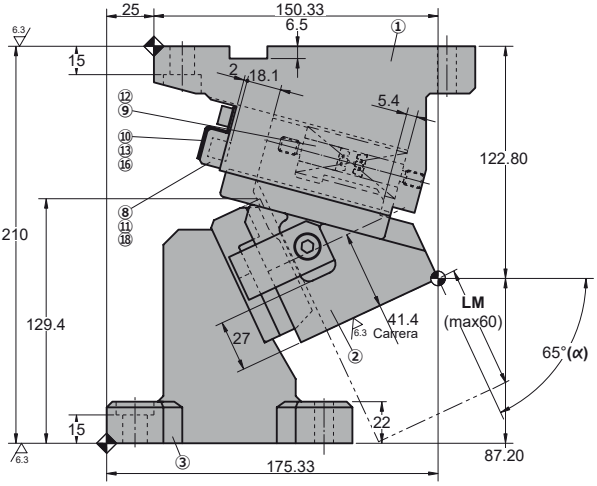
ASCB 0065

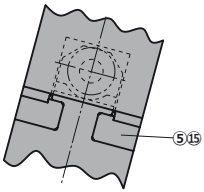
Aerial cam for pierce

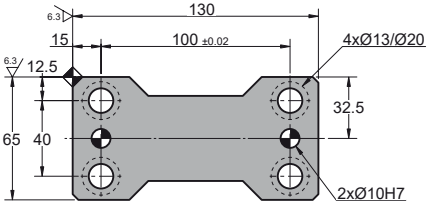
AZOL GAS

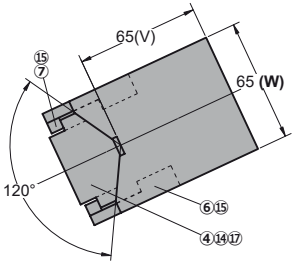
ASCB 0065 65



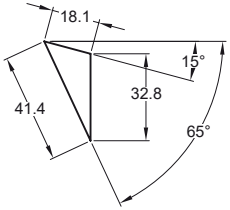




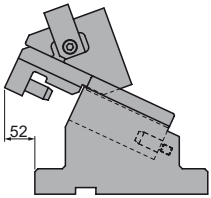




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
41.4	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.3	ASCB	0065	65

Order: Model (W) (α)

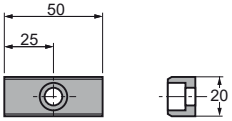
ASCB 0065 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

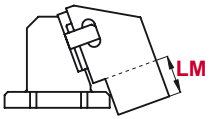
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 65-K
ASCB 0065 65-LM50
ASCB 0065 65-LM50-K

SPARE PARTS:
④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

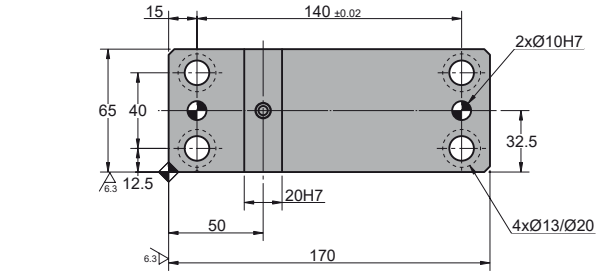
No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

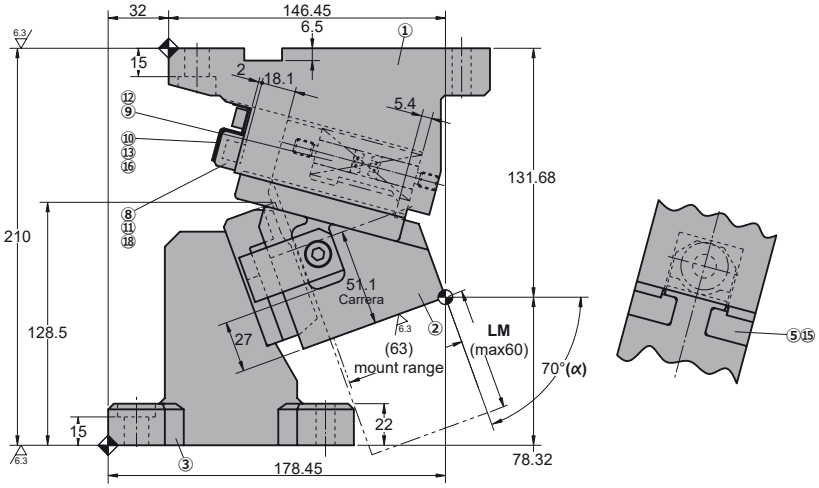
ASCB 0065

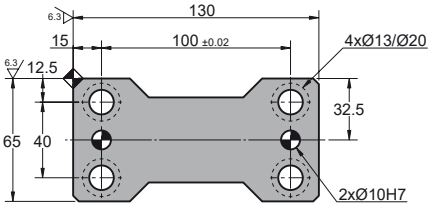
Aerial cam for pierce

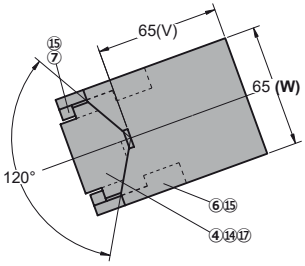
AZOL GAS

ASCB 0065 70

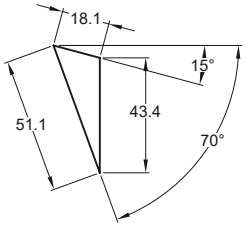




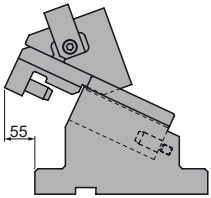




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
51.1	19.6 (2.0)	39.2 (4.0)	357.5 (36.5)	1220.1 (124.5)	9.5	ASCB	0065	70

Order: Model (W) (α)

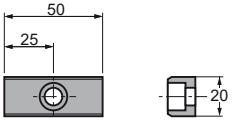
ASCB 0065 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

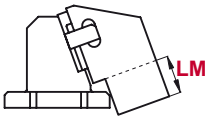
K



1 x M8x15

LM MOUNT

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50



Order Options: Model (W) (α)-Option

ASCB 0065 70-K

ASCB 0065 70-LM50

ASCB 0065 70-LM50-K

SPARE PARTS:

④ Cam Slider Guide
⑤ Slider Plate
⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG25
④	Cam Slider Guide	1	Bronze + G
⑤	Slider Plate	2	Bronze
⑥	Positive Return A	1	CK45
⑦	Positive Return B	1	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring Guide Pin	2	CK45
⑩	Security Plate	1	CK45
⑪	Cushioning Stopper	2	Urethane
⑫	Coil Spring	1	TM25-80
⑬	Disc Spring	2	M6
⑭	Dowel Pin	2	Ø8 x 30
⑮	Screw	6	M8 x 18

No.	Description	Qty.	Material
⑯	Screw	2	M6 x 10
⑰	Screw	2	M10 x 30
⑱	Screw	2	M8 x 16

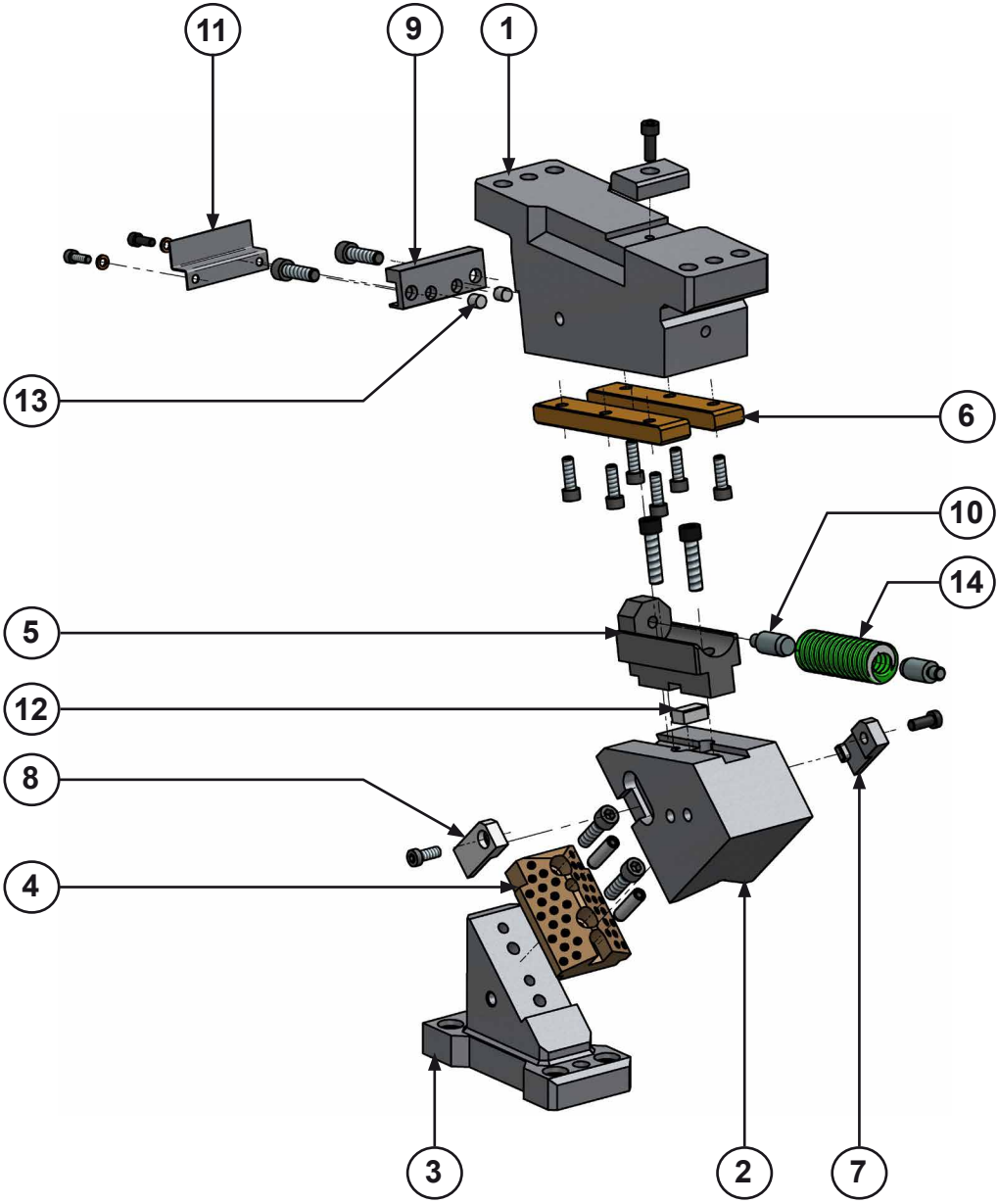
ASCB 0065

Aerial cam for pierce

AZOL GAS

ASCB 0080

Aerial cam for pierce



ASCB 0080 - ASFK 0080

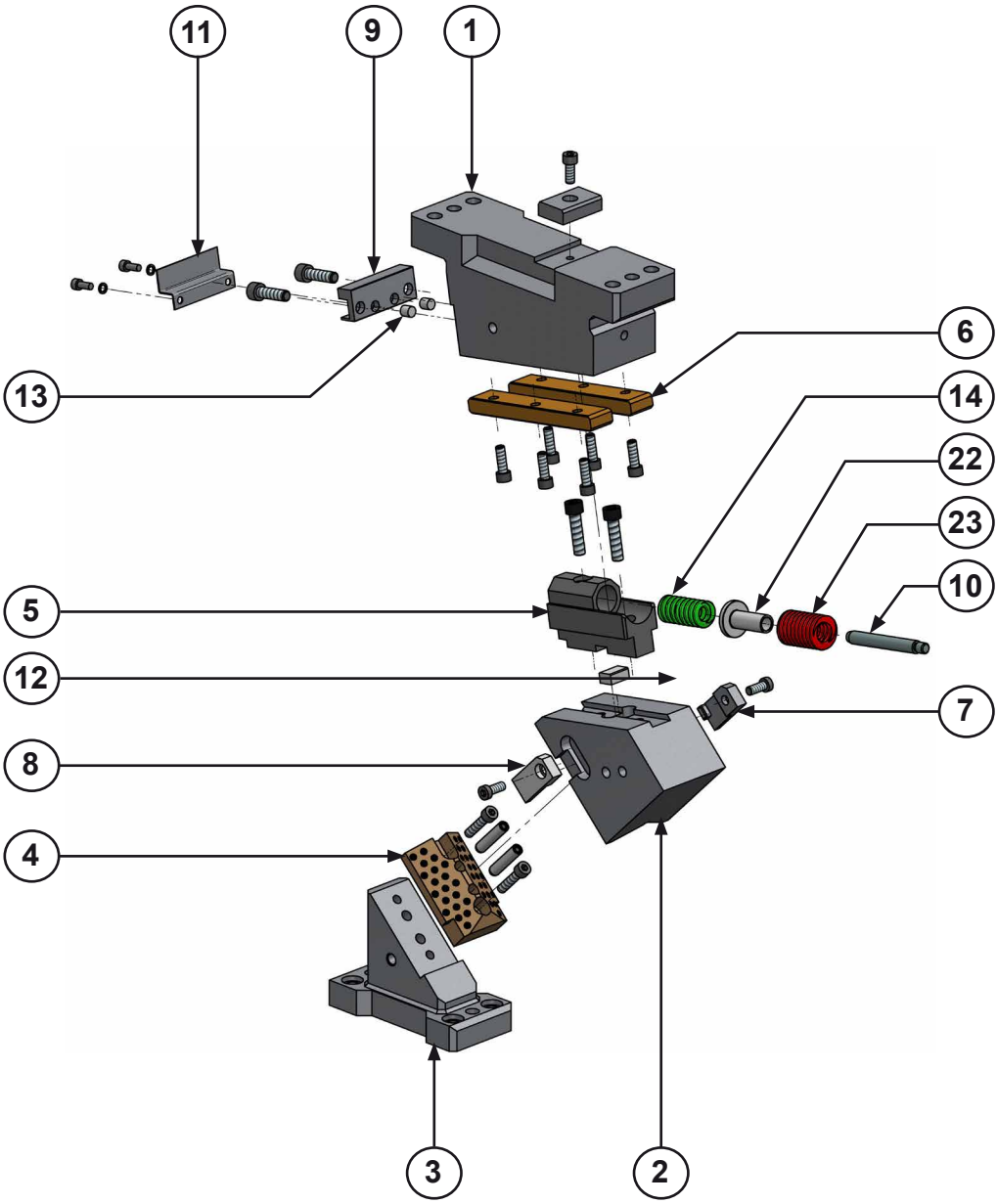
AZOL GAS

Aerial cam for pierce

AZOL GAS

ASFK 0080

Aerial cam for pierce

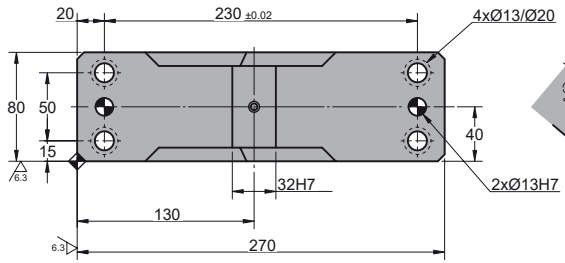


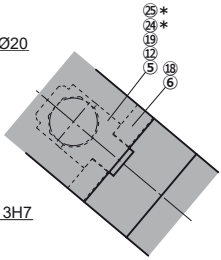
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0080 00

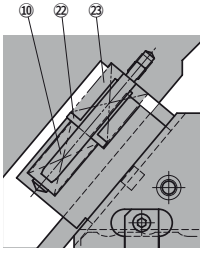


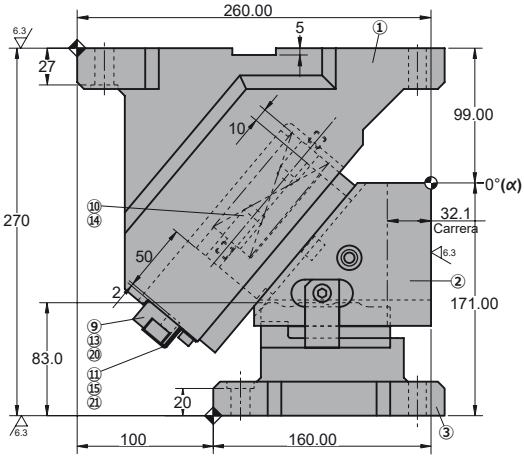


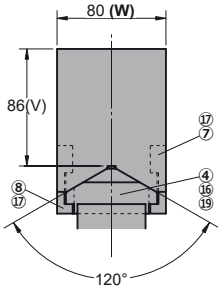
ASFK 0080 00

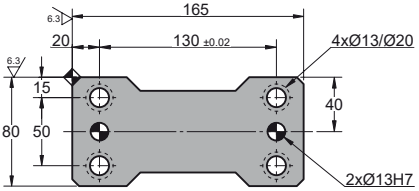
SPRING SYSTEM

*-Only for ASFK

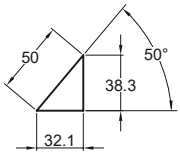




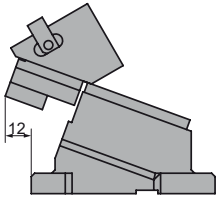




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.9	ASCB	0080	00
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

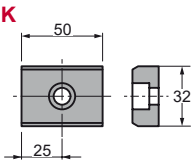
Order: Model (W) (α)

ASCB 0080 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

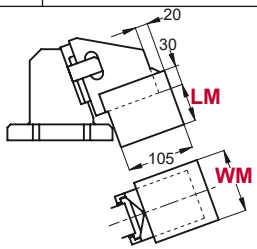
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 00-K
ASCB 0080 00-P16
ASCB 0080 00-WM100-LM50
ASCB 0080 00-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

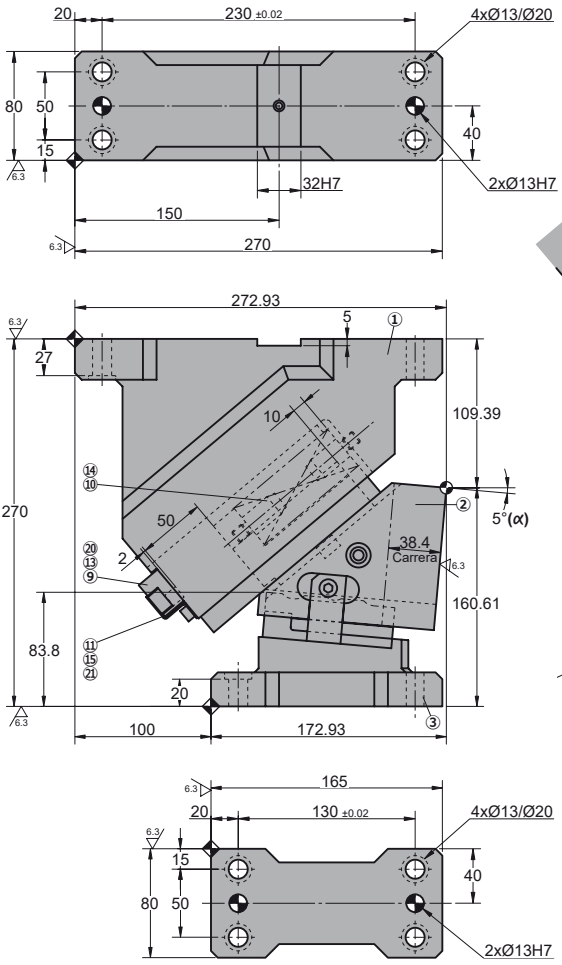
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

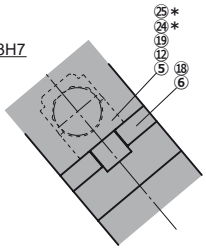
ASCB 0080 - ASFK 0080

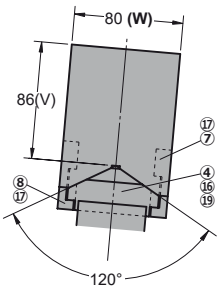
Aerial cam for pierce

AZOL GAS

ASCB 0080 05



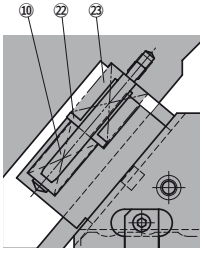




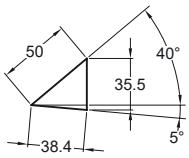
ASFK 0080 05

SPRING SYSTEM

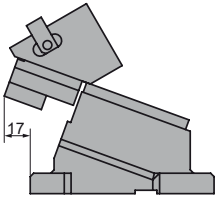
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.4	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	26.3	ASCB	0080	05
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

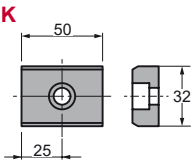
Order: Model (W) (α)

ASCB 0080 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

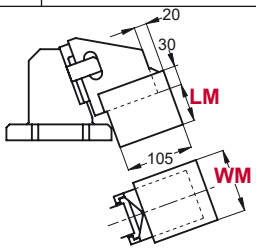
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 05-K
ASCB 0080 05-P16
ASCB 0080 05-WM100-LM50
ASCB 0080 05-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

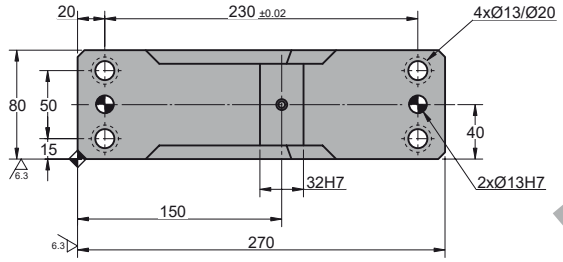
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

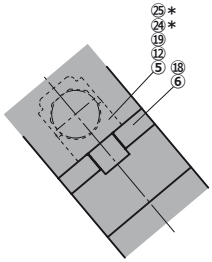
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0080 10

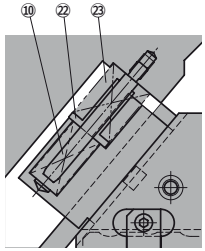


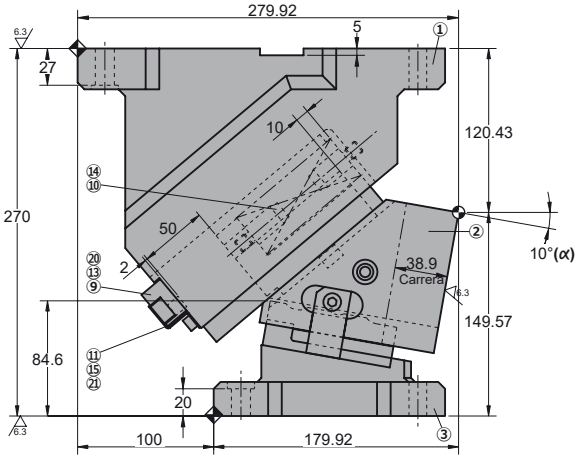


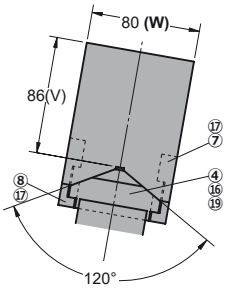
ASFK 0080 10

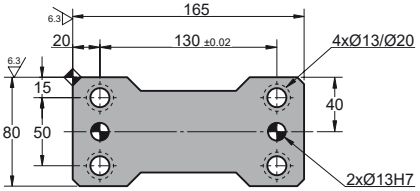
SPRING SYSTEM

*-Only for ASFK

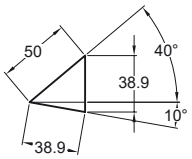




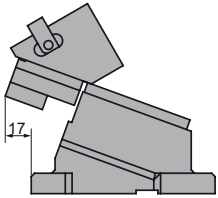




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	26.6	ASCB	0080	10
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

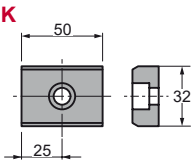
Order: Model (W) (α)

ASCB 0080 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

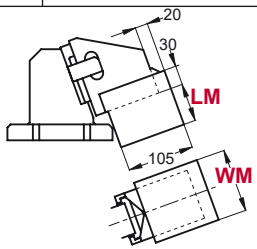
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 10-K
ASCB 0080 10-P16
ASCB 0080 10-WM100-LM50
ASCB 0080 10-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

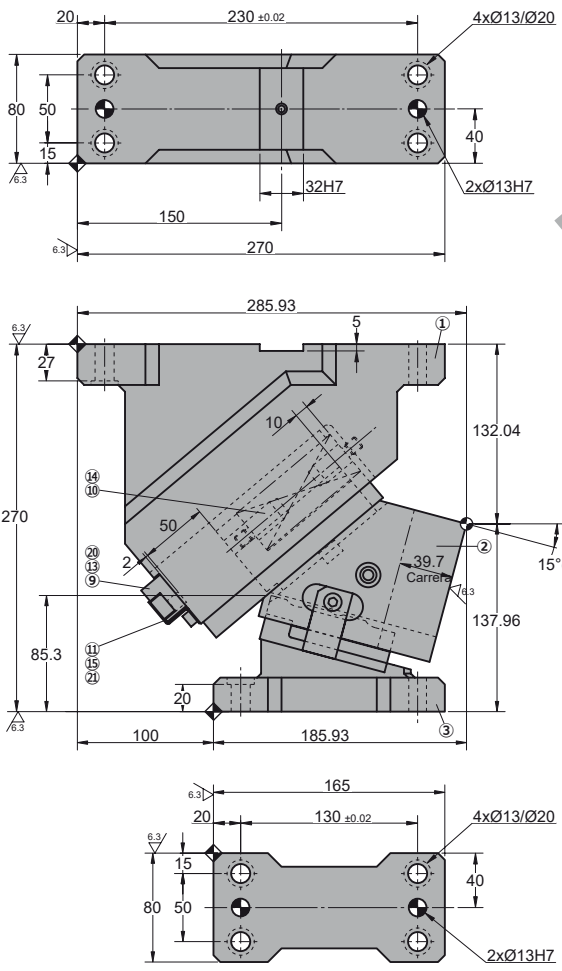
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

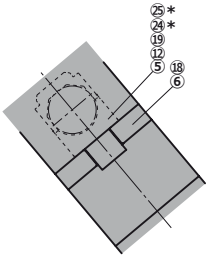
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0080 15

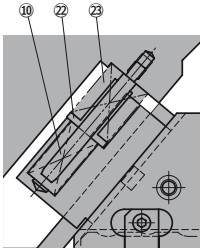


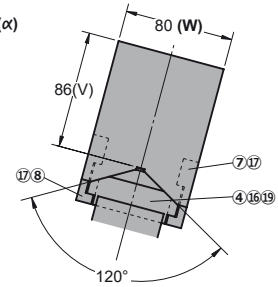


ASFK 0080 15

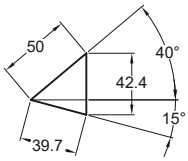
SPRING SYSTEM

*-Only for ASFK

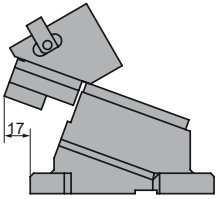




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.7	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.1	ASCB	0080	15
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

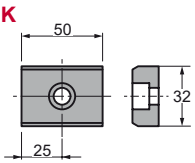
Order: Model (W) (α)

ASCB 0080 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

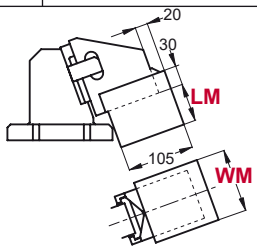
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 15-K
ASCB 0080 15-P16
ASCB 0080 15-WM100-LM50
ASCB 0080 15-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

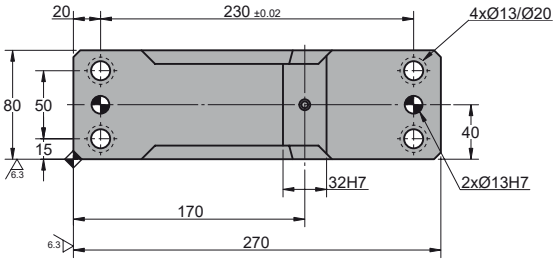
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

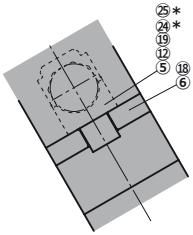
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0080 20

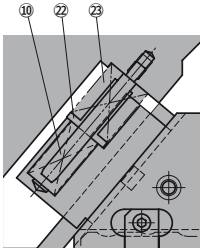


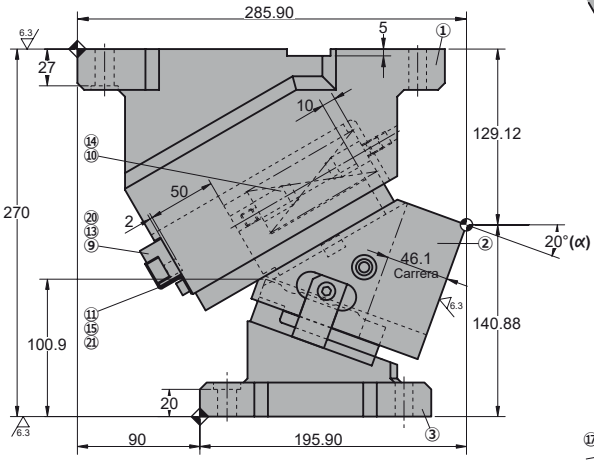


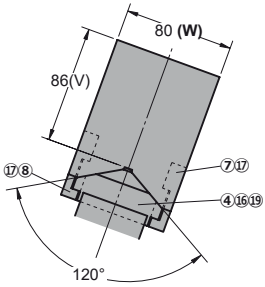
ASFK 0080 20

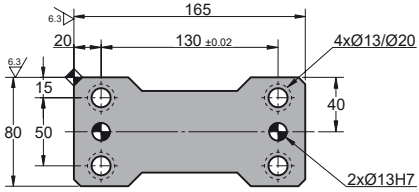
SPRING SYSTEM

*-Only for ASFK

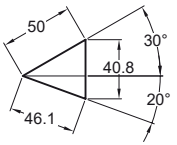




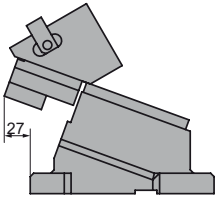




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.3	ASCB	0080	20
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

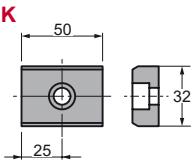
Order: Model (W) (α)

ASCB 0080 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

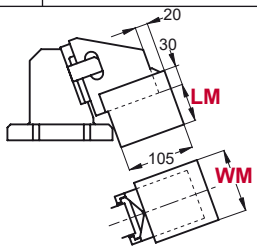
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 20-K
ASCB 0080 20-P16
ASCB 0080 20-WM100-LM50
ASCB 0080 20-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

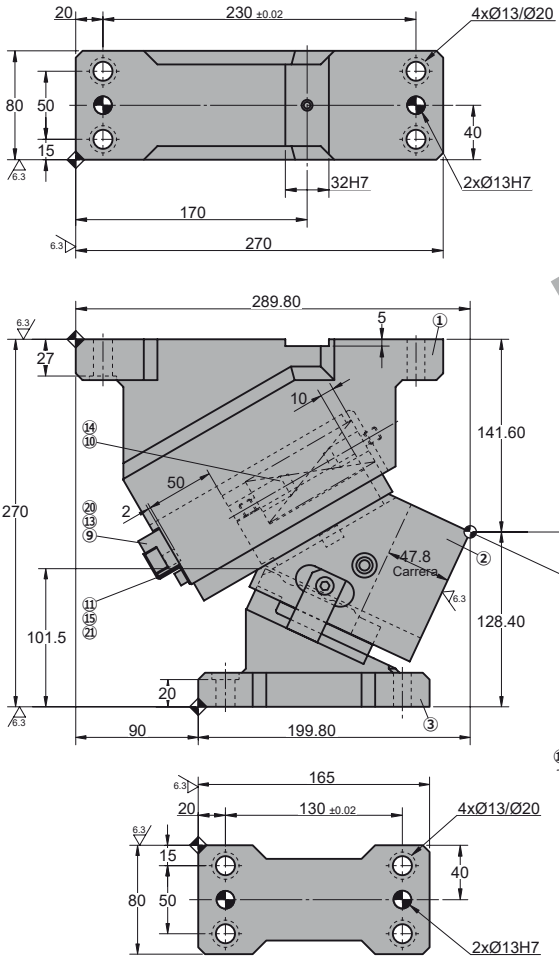
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

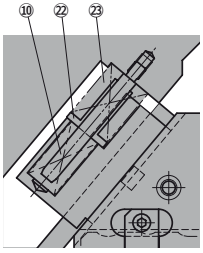
ASCB 0080 25

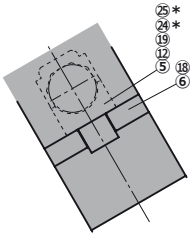


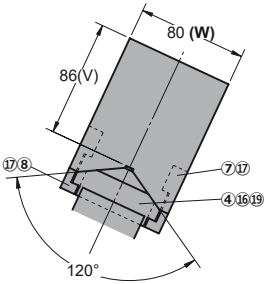
ASFK 0080 25

SPRING SYSTEM

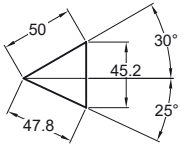
*-Only for ASFK



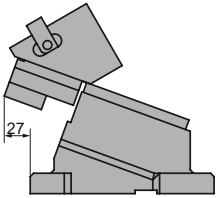




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.8	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	25.3	ASCB	0080	25
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

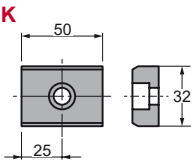
Order: Model (W) (α)

ASCB 0080 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

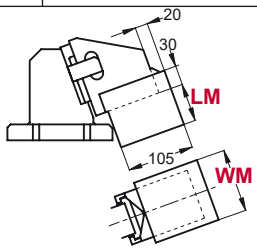
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 25-K
ASCB 0080 25-P16
ASCB 0080 25-WM100-LM50
ASCB 0080 25-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

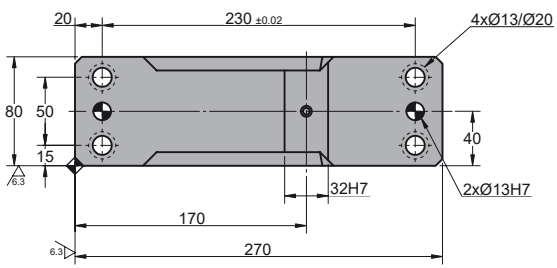
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

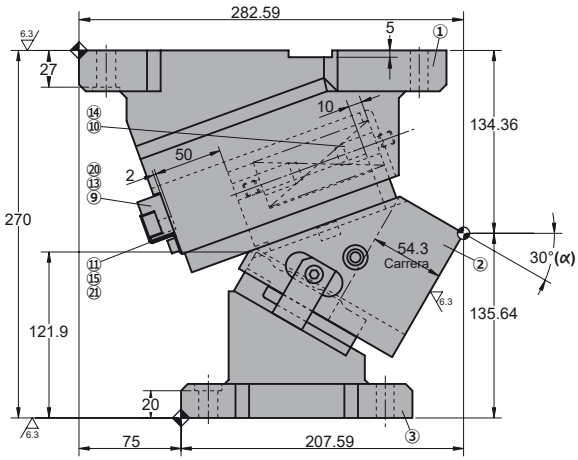
ASCB 0080 - ASFK 0080

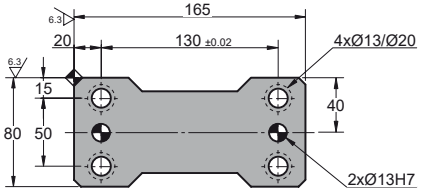
Aerial cam for pierce

AZOL GAS

ASCB 0080 30



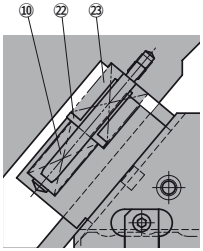


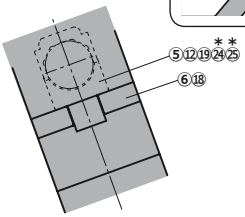


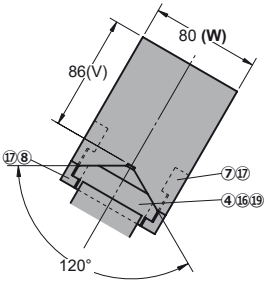
ASFK 0080 30

SPRING SYSTEM

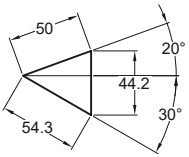
*-Only for ASFK



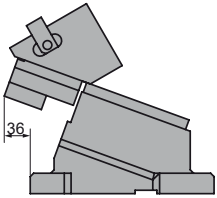




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.2	ASCB	0080	30
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

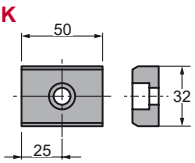
Order: Model (W) (α)

ASCB 0080 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

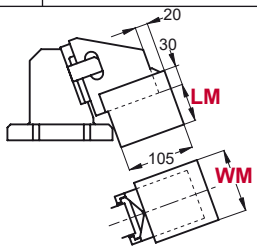
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 30-K
ASCB 0080 30-P16
ASCB 0080 30-WM100-LM50
ASCB 0080 30-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

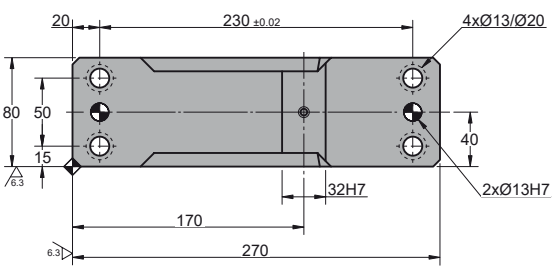
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

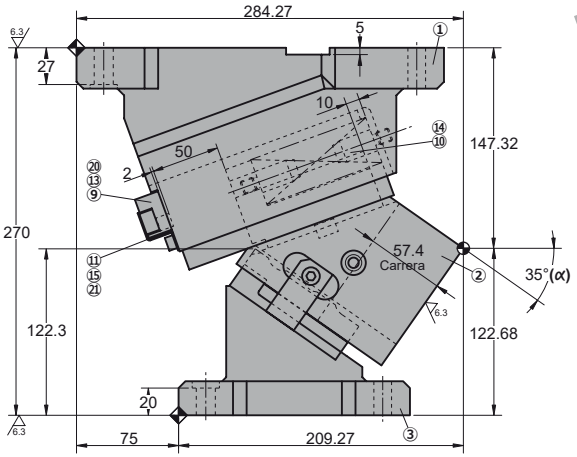
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0080 35

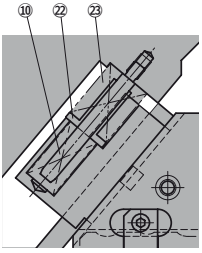


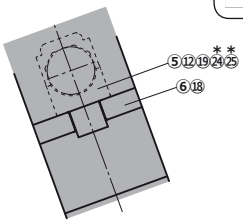


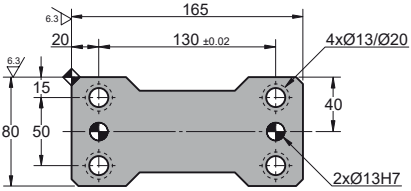
ASFK 0080 35

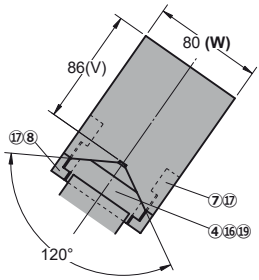
SPRING SYSTEM

*-Only for ASFK

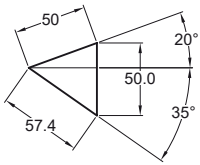




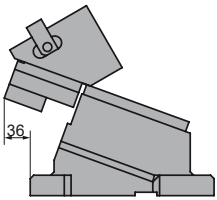




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.4	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.4	ASCB	0080	35
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

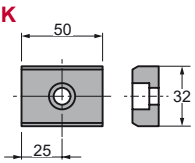
Order: Model (W) (α)

ASCB 0080 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

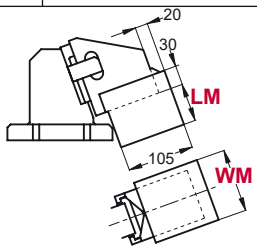
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 35-K
ASCB 0080 35-P16
ASCB 0080 35-WM100-LM50
ASCB 0080 35-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

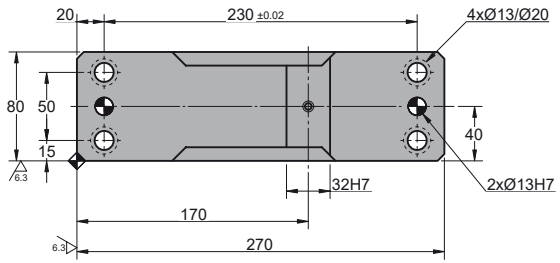
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

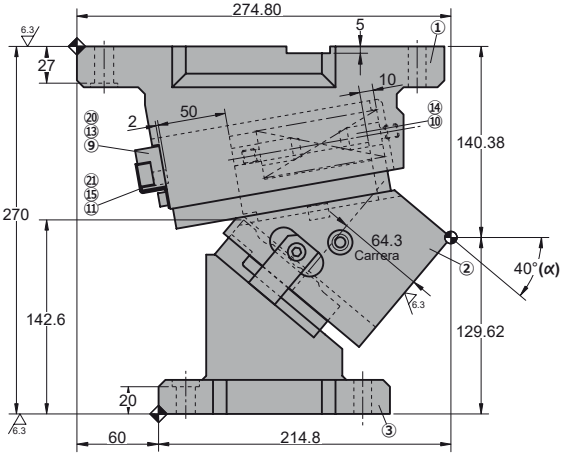
ASCB 0080 - ASFK 0080

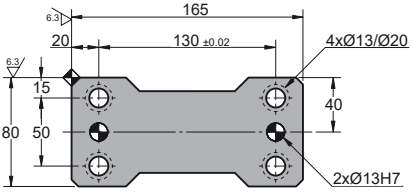
Aerial cam for pierce

AZOL GAS

ASCB 0080 40



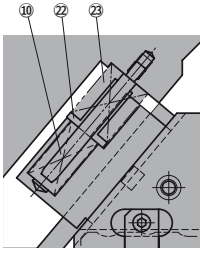


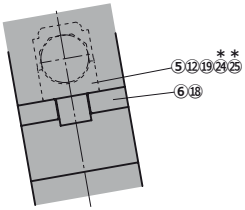


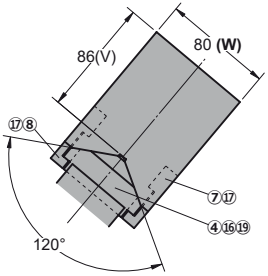
ASFK 0080 40

SPRING SYSTEM

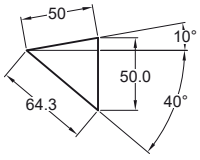
*-Only for ASFK



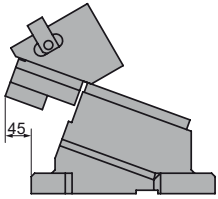




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	22.4	ASCB	0080	40
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

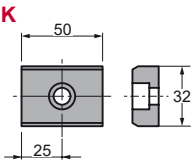
Order: Model (W) (α)

ASCB 0080 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

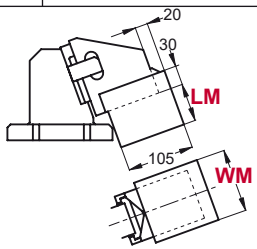
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 40-K
ASCB 0080 40-P16
ASCB 0080 40-WM100-LM50
ASCB 0080 40-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

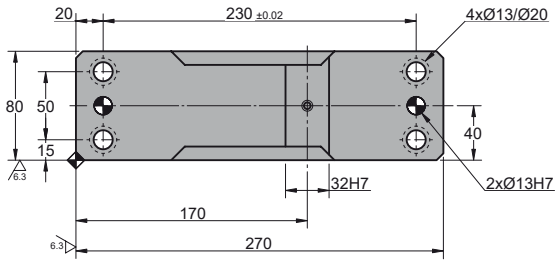
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

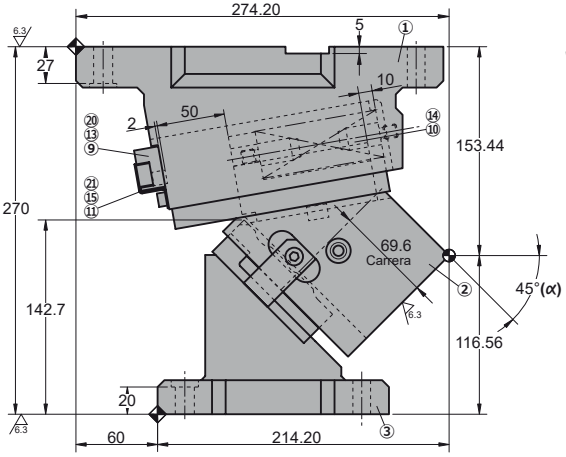
ASCB 0080 - ASFK 0080

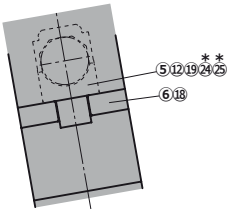
Aerial cam for pierce

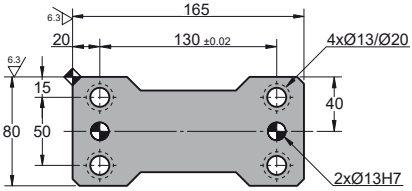
AZOL GAS

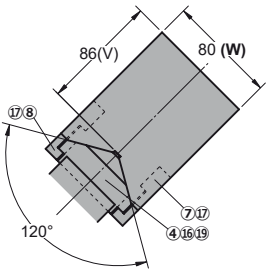
ASCB 0080 45







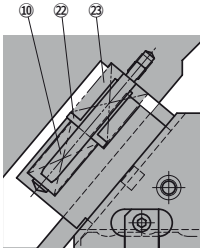




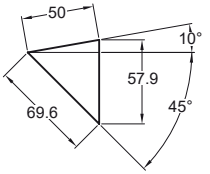
ASFK 0080 45

SPRING SYSTEM

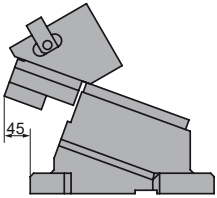
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
69.6	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	22.4	ASCB	0080	45
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

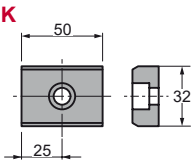
Order: Model (W) (α)

ASCB 0080 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

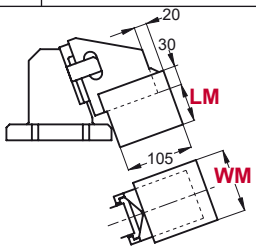
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 45-K
ASCB 0080 45-P16
ASCB 0080 45-WM100-LM50
ASCB 0080 45-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

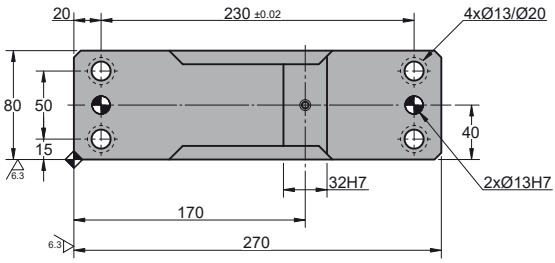
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

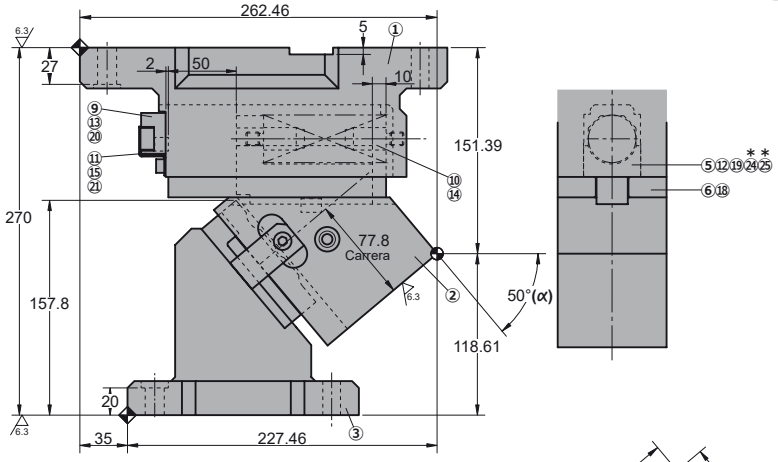
ASCB 0080 - ASFK 0080

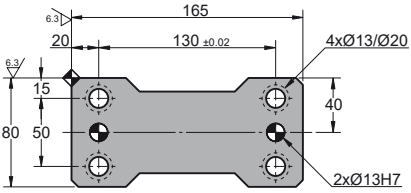
Aerial cam for pierce

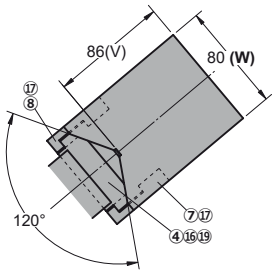
AZOL GAS

ASCB 0080 50





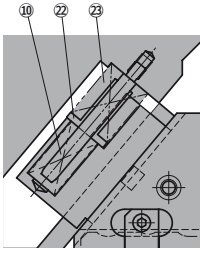




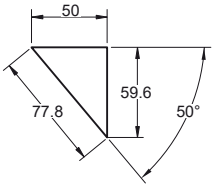
ASFK 0080 50

SPRING SYSTEM

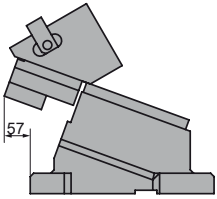
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	21.6	ASCB	0080	50
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

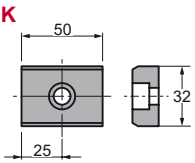
Order: Model (W) (α)

ASCB 0080 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

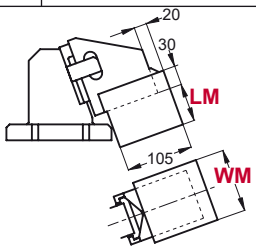
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 50-K
ASCB 0080 50-P16
ASCB 0080 50-WM100-LM50
ASCB 0080 50-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

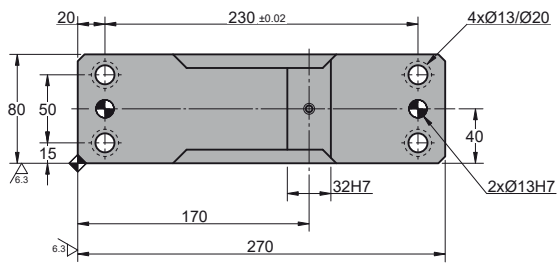
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

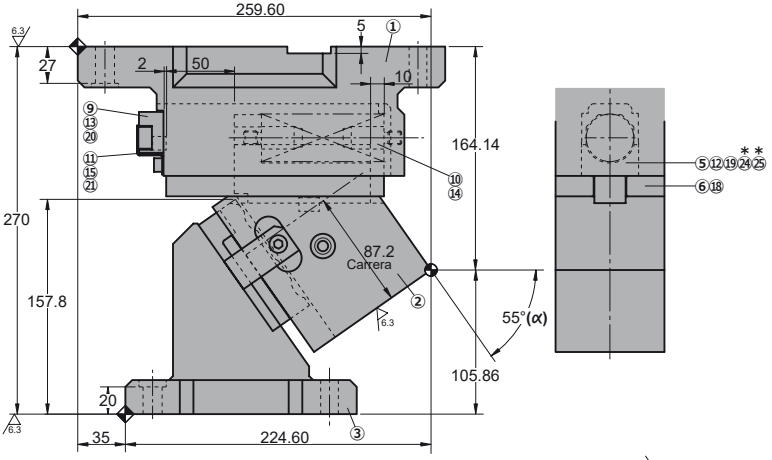
ASCB 0080 - ASFK 0080

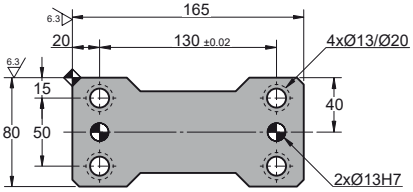
Aerial cam for pierce

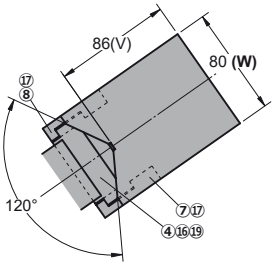
AZOL GAS

ASCB 0080 55





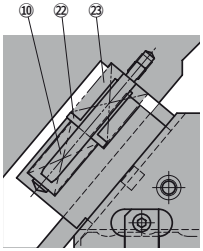




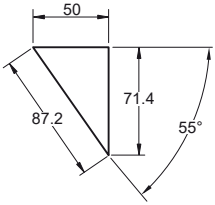
ASFK 0080 55

SPRING SYSTEM

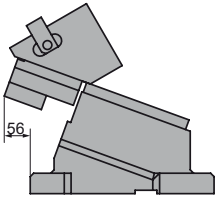
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	21.7	ASCB	0080	55
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

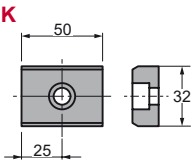
Order: Model (W) (α)

ASCB 0080 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

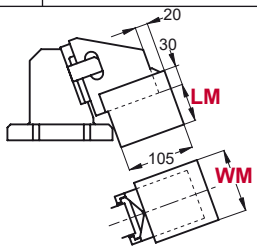
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 55-K
ASCB 0080 55-P16
ASCB 0080 55-WM100-LM50
ASCB 0080 55-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

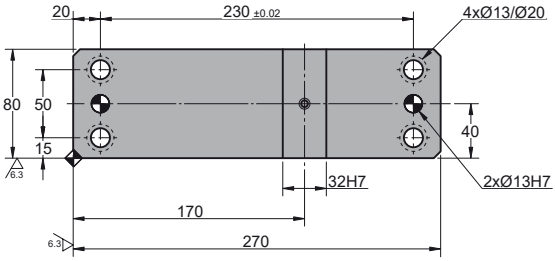
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

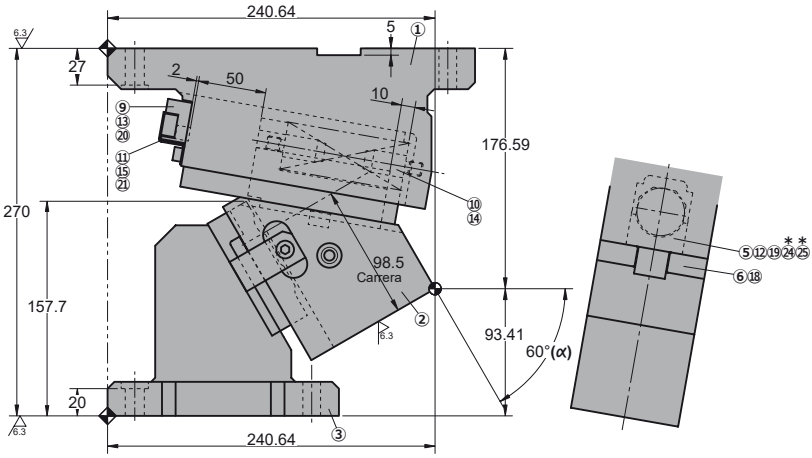
ASCB 0080 - ASFK 0080

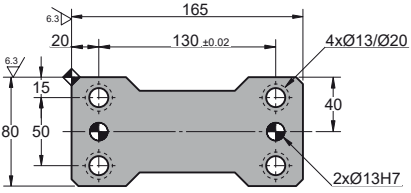
Aerial cam for pierce

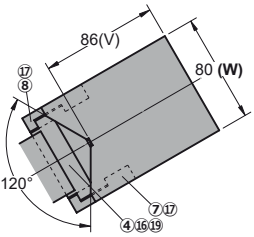
AZOL GAS

ASCB 0080 60





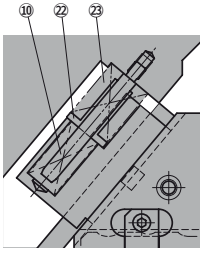




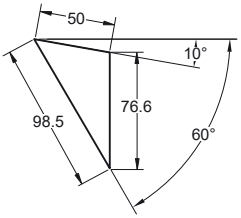
ASFK 0080 60

SPRING SYSTEM

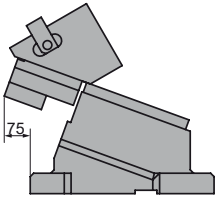
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
98.5	39.2 (4.0)	78.4 (8.0)	270.6 (27.6)	1623.6 (165.7)	23.2	ASCB	0080	60
	54.9 (5.6)	109.8 (11.2)	127.4 (13.0)	3250.0 (331.4)		ASFK		

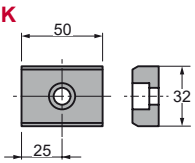
Order: Model (W) (α)

ASCB 0080 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

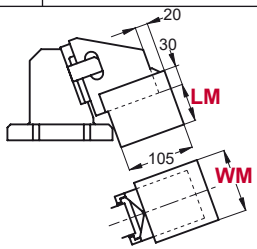
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 60-K
ASCB 0080 60-P16
ASCB 0080 60-WM100-LM50
ASCB 0080 60-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-150

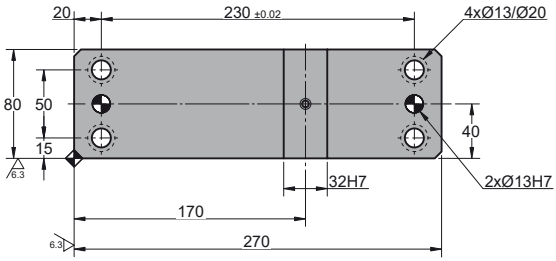
No.	Description	Qty.	Material
⑮	Disc Spring	2	M6
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-100
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

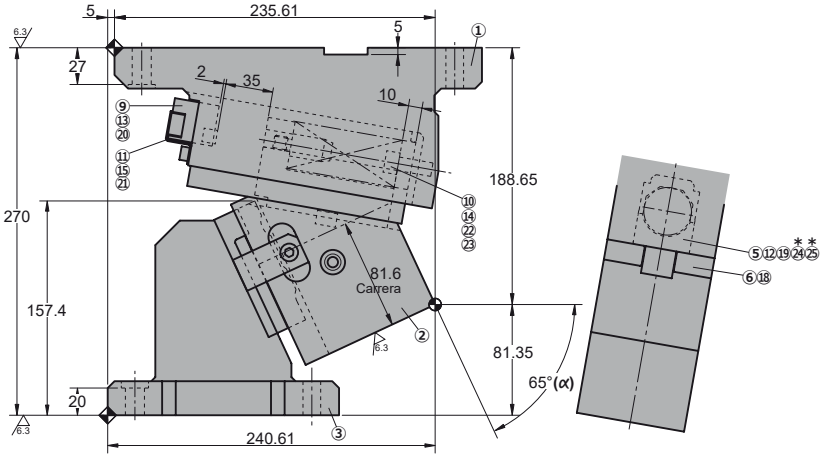
ASCB 0080 - ASFK 0080

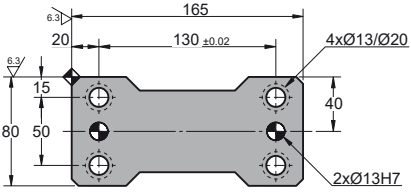
Aerial cam for pierce

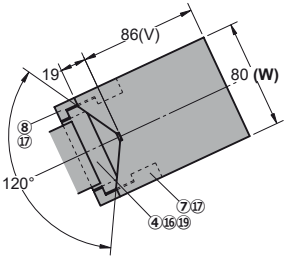
AZOL GAS

ASCB 0080 65





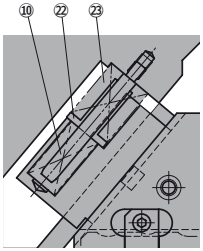




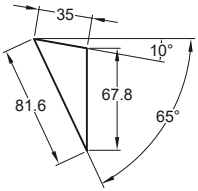
ASFK 0080 65

SPRING SYSTEM

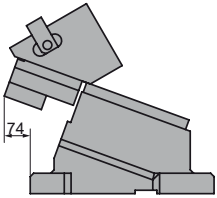
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
81.6	39.2 (4.0)	78.4 (8.0)	324.7 (33.1)	1461.2 (149.1)	23.7	ASCB	0080	65
	54.9 (5.6)	109.8 (11.2)	98.0 (10.0)	3250.0 (331.4)		ASFK		

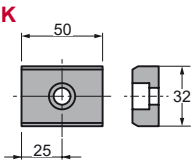
Order: Model (W) (α)

ASCB 0080 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

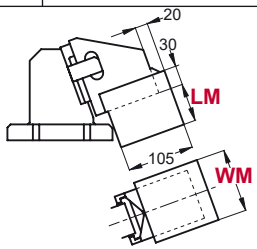
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 65-K
ASCB 0080 65-P16
ASCB 0080 65-WM100-LM50
ASCB 0080 65-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-125
⑮	Disc Spring	2	M6

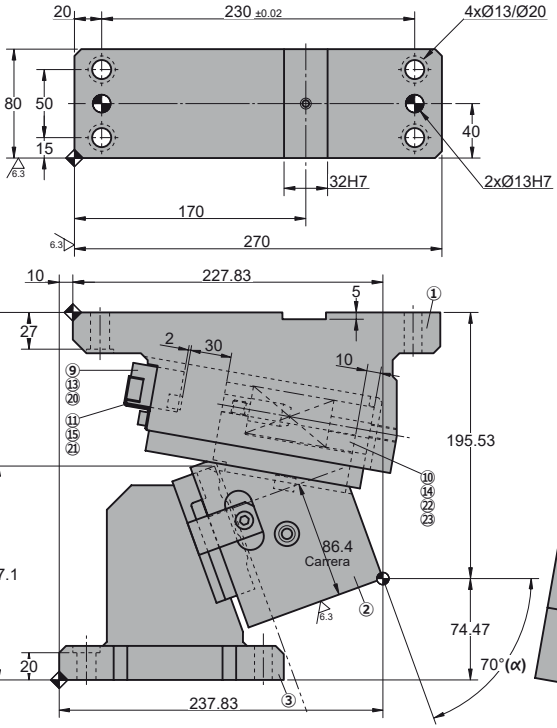
No.	Description	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
㉒	Spacer	1	CK 45
㉓	Screw	1	M10 x 25
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-80
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

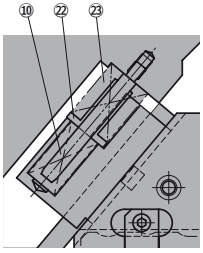
ASCB 0080 70



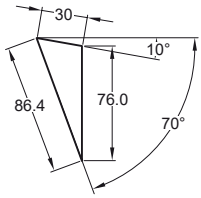
ASFK 0080 70

SPRING SYSTEM

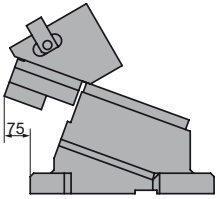
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0080 - ASFK 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
86.4	39.2 (4.0)	78.4 (8.0)	405.8 (41.4)	1623.2 (165.6)	23.9	ASCB	0080	70
	54.9 (5.6)	109.8 (11.2)	159.3 (16.3)	3250.0 (331.4)		ASFK		

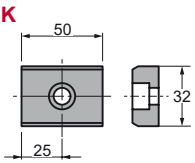
Order: Model (W) (α)

ASCB 0080 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY



1 x M8x15

P PINS



P16 - Ø16 H7

LM - WM MOUNT

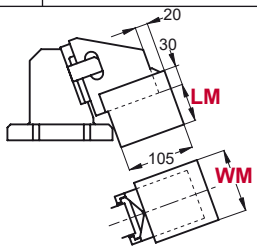
ASCB

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). e.g. LM50

WM Mount width changed to 100 or 120mm. e.g. WM100

ASFK

LM Extensible slider mount from 1 to 60 mm (increments of 1 mm). f.e. LM50
WM Mount width changed from 81 to 120mm (increments of 1 mm). f.e. WM120



Order Options: Model (W) (α)-Option

ASCB 0080 70-K
ASCB 0080 70-P16
ASCB 0080 70-WM100-LM50
ASCB 0080 70-P16-WM100-LM60-K

SPARE PARTS:
④ Slider guide
⑥ Slider Plate
⑭ Coil Spring
㉓ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return A	1	CK45
⑧	Positive Return B	1	CK45
⑨	Stopper Plate	1	CK22
⑩	Spring guide	2	CK45
⑪	Security Plate	1	CK45
⑫	Slider Key	1	CK45
⑬	Cushioning Stopper	2	Urethane
⑭	Coil Spring	1	TL35-100
⑮	Disc Spring	2	M6

No.	Description	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	6	M8 x 20
⑲	Screw	4	M10 x 35
⑳	Screw	2	M10 x 30
㉑	Screw	2	M6 x 10
㉒	Spacer	1	CK 45
㉓	Screw	1	M10 x 25
*⑪	Security Plate	1	CK22
*⑭	Coil Spring	1	TF25-80
*⑲	Screw	2	M10 x 35
*㉒	Guide Bush	1	CK45
*㉓	Coil Spring	1	TH35-60
*㉔	Screw	2	M12 x 35
*㉕	Spacing Washer	2	M12

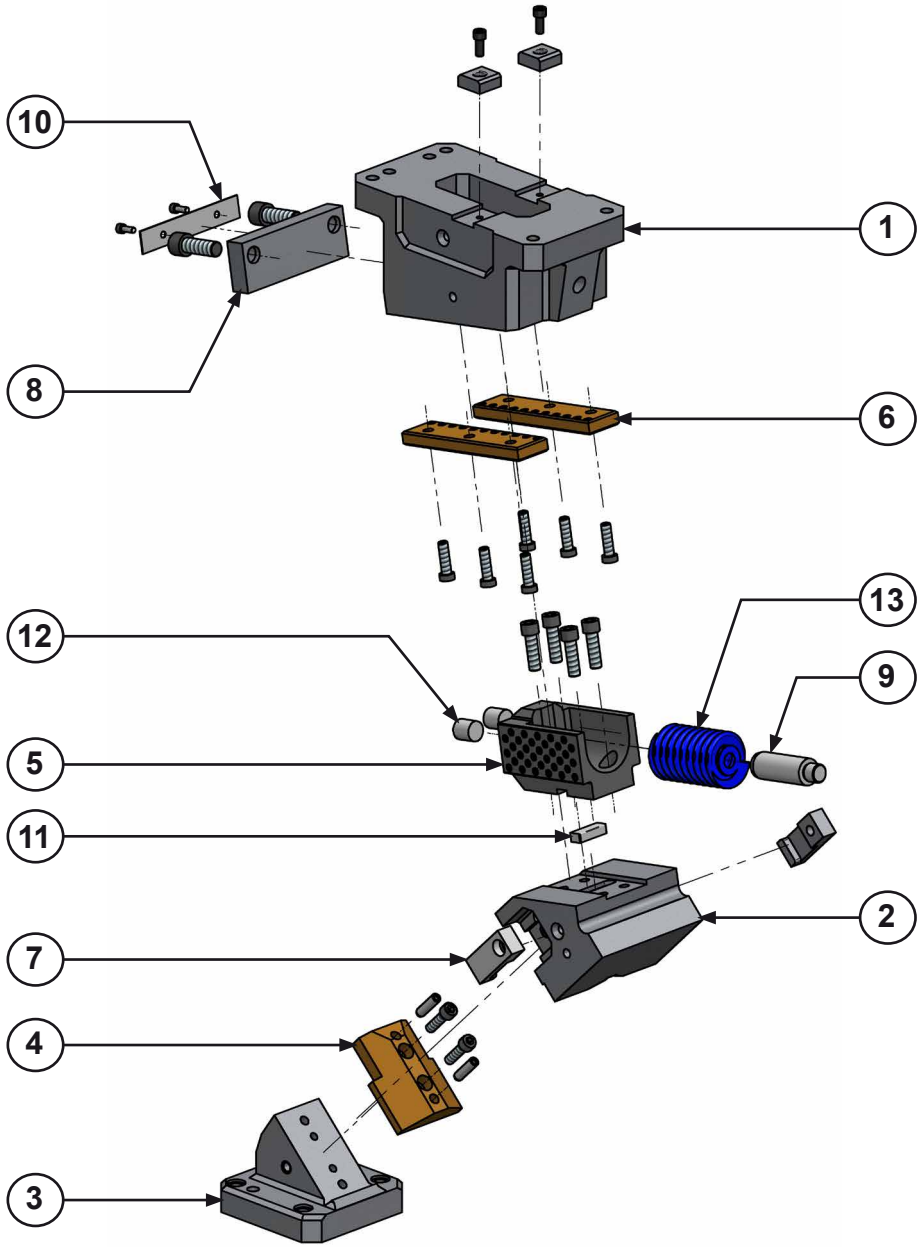
ASCB 0080 - ASFK 0080

Aerial cam for pierce

AZOL GAS

ASCB 0150

Aerial cam for pierce



ASCB 0150 - ASFK 0150

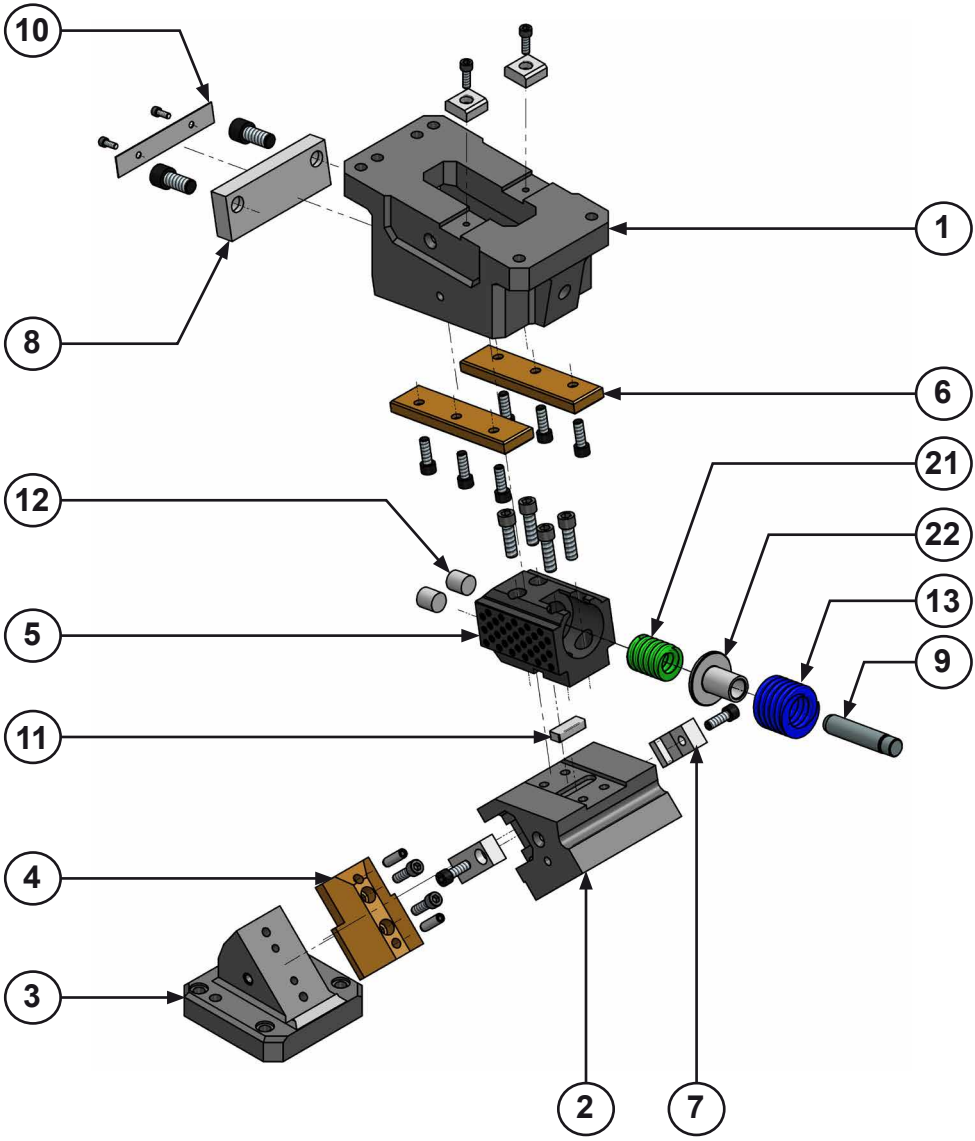
AZOL GAS

Aerial cam for pierce

AZOL GAS

ASFK 0150

Aerial cam for pierce

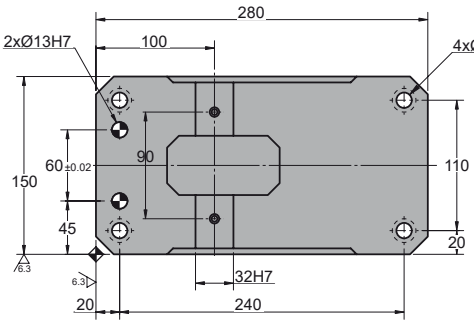


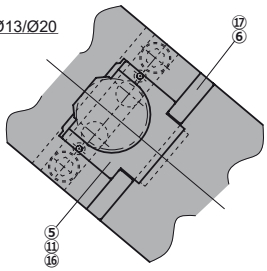
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 00

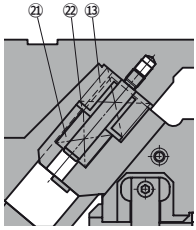


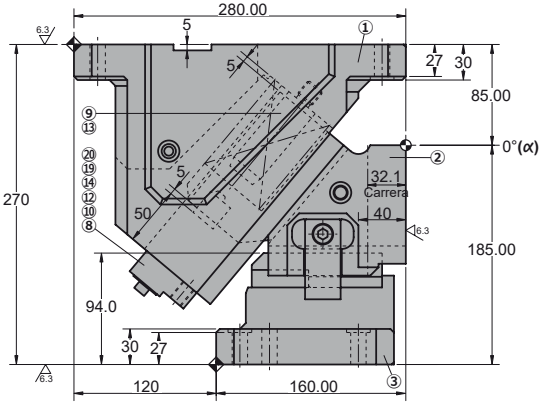


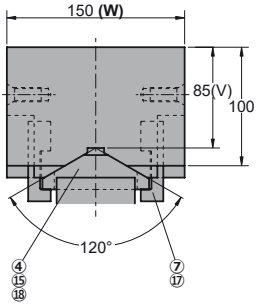
ASFK 0150 00

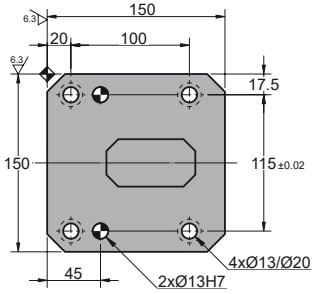
SPRING SYSTEM

*-Only for ASFK

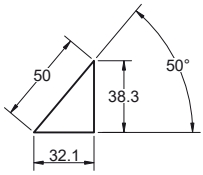




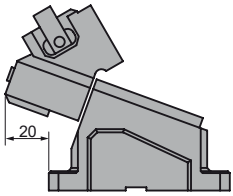




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	45.4	ASCB	0150	00
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

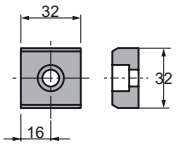
ASCB 0150 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

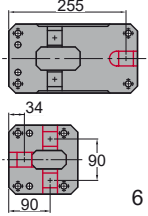
K - KT KEY

K



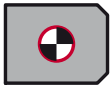
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 00-K

ASCB 0150 00-P16

ASCB 0150 00-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

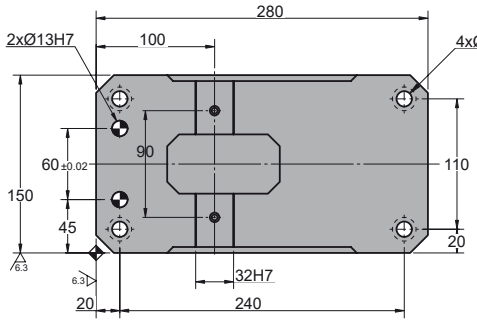
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

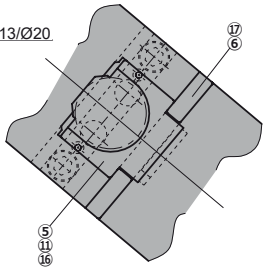
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 05

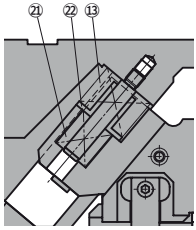


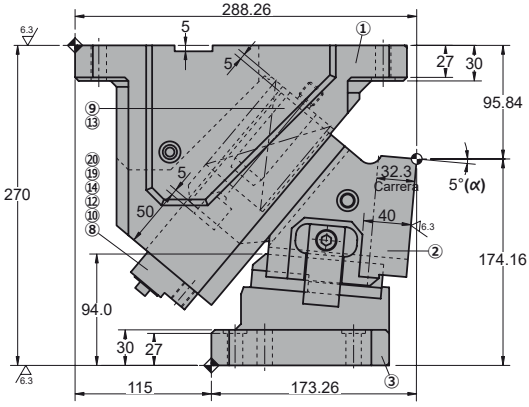


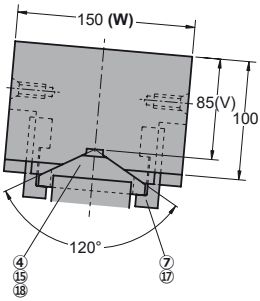
ASFK 0150 05

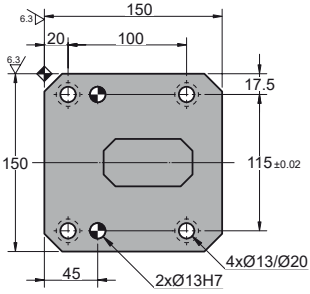
SPRING SYSTEM

*-Only for ASFK

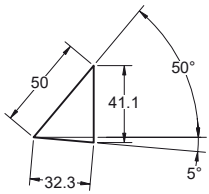




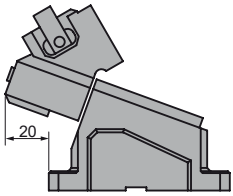




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	45.9	ASCB	0150	05
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

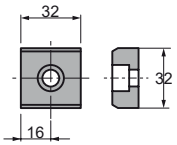
ASCB 0150 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

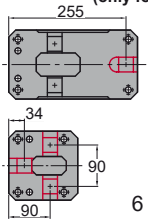
K - KT KEY

K



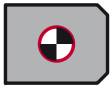
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 05-K

ASCB 0150 05-P16

ASCB 0150 05-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

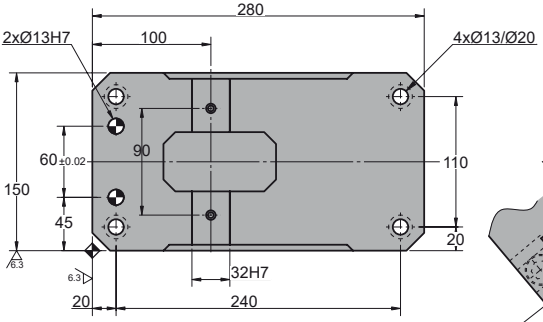
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

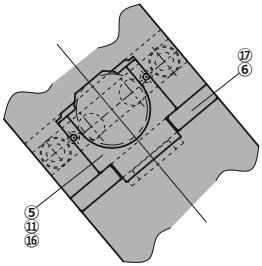
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 10

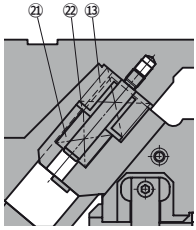


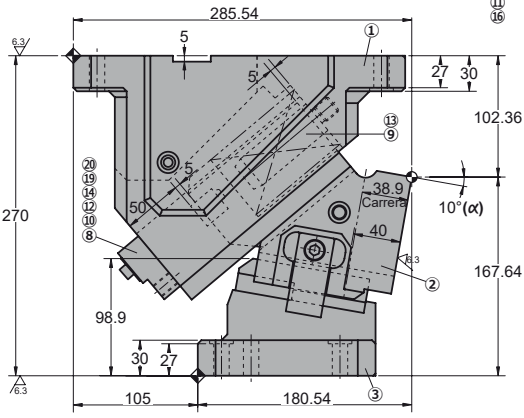


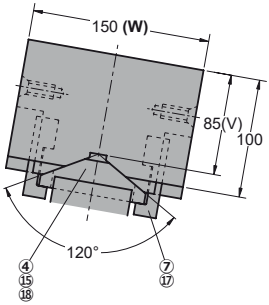
ASFK 0150 10

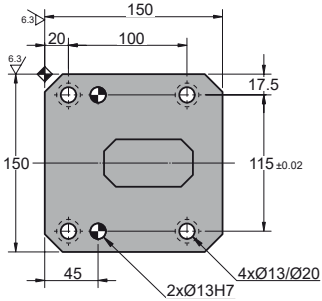
SPRING SYSTEM

*-Only for ASFK

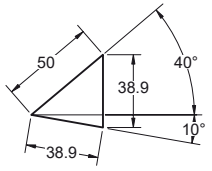




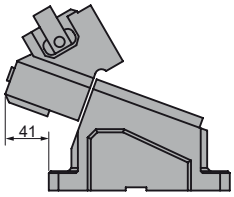




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	44.4	ASCB	0150	10
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

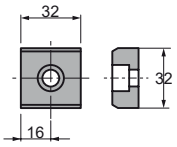
ASCB 0150 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

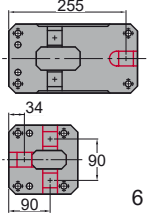
K - KT KEY

K



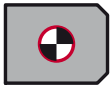
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 10-K

ASCB 0150 10-P16

ASCB 0150 10-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

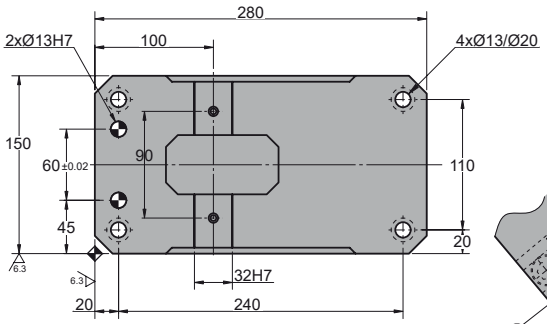
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

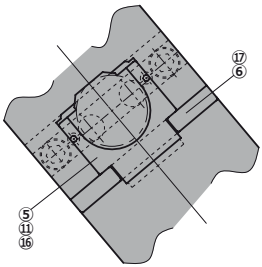
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 15

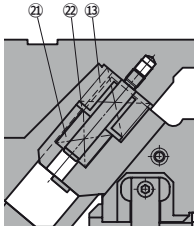


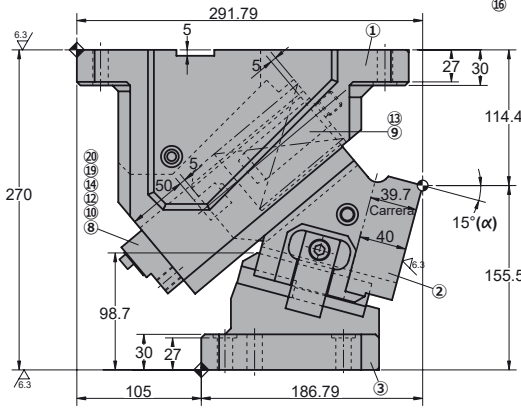


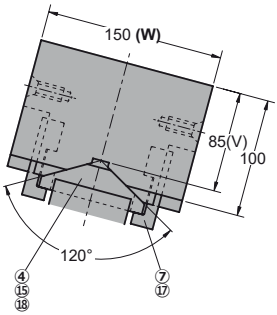
ASFK 0150 15

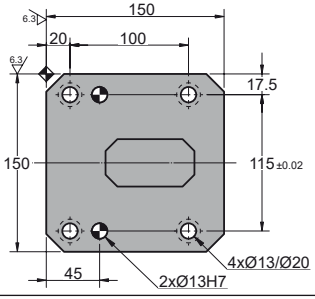
SPRING SYSTEM

*-Only for ASFK

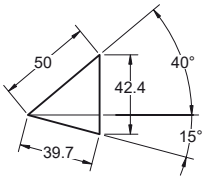




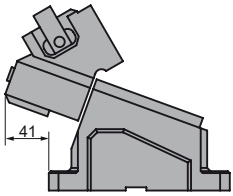




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.7	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	44.9	ASCB	0150	15
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

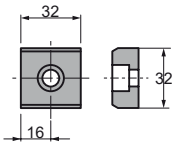
ASCB 0150 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

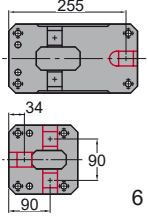
K - KT KEY

K



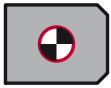
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 15-K

ASCB 0150 15-P16

ASCB 0150 15-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

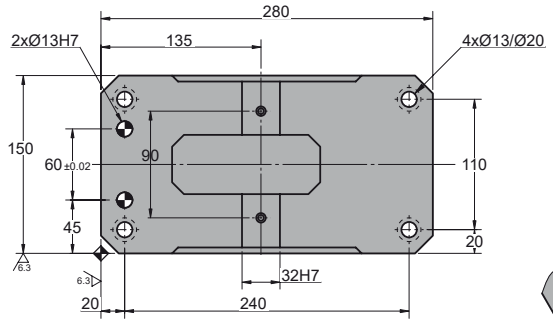
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

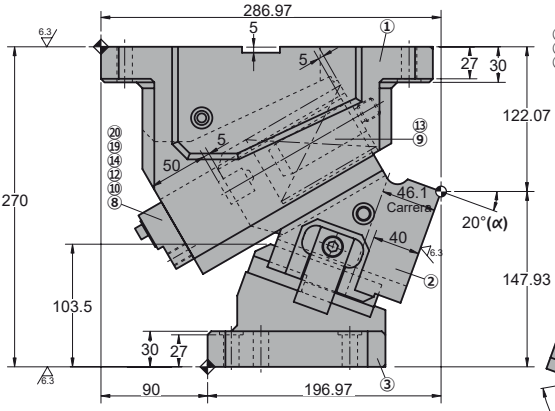
ASCB 0150 - ASFK 0150

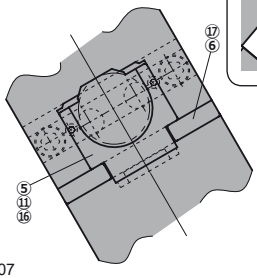
Aerial cam for pierce

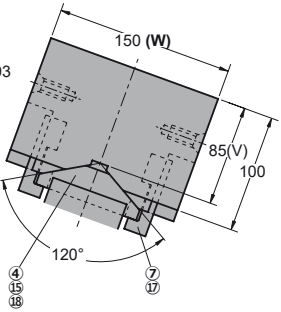
AZOL GAS

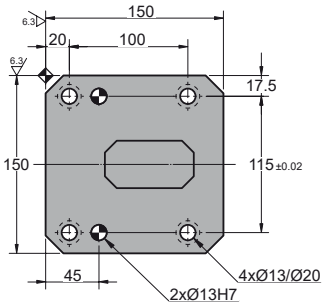
ASCB 0150 20







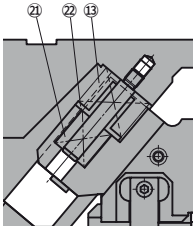




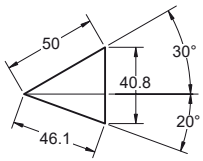
ASFK 0150 20

SPRING SYSTEM

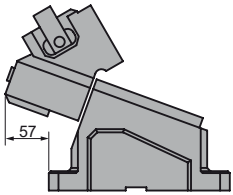
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	43.2	ASCB	0150	20
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

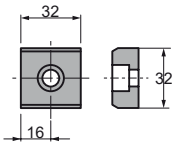
ASCB 0150 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

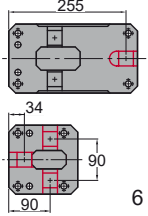
K - KT KEY

K



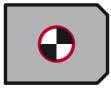
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 20-K

ASCB 0150 20-P16

ASCB 0150 20-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

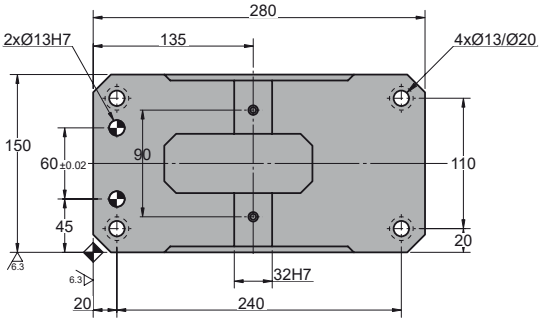
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

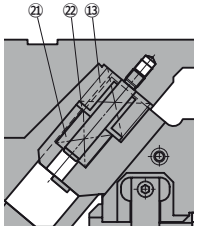
ASCB 0150 25

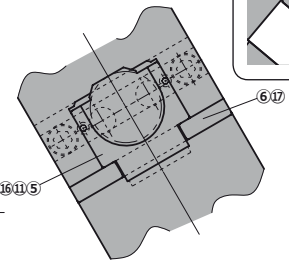


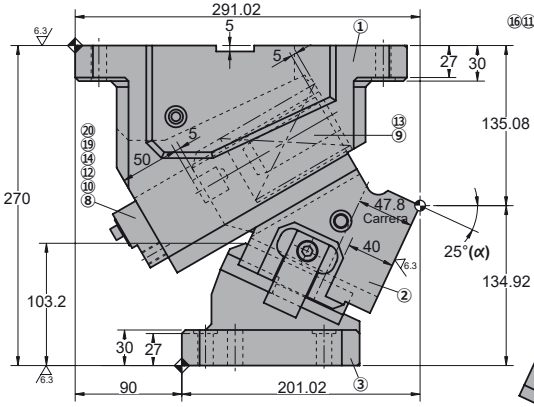
ASFK 0150 25

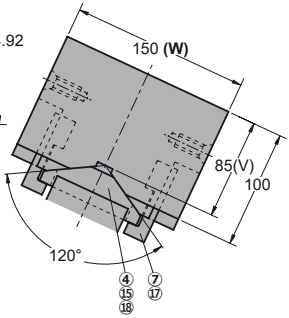
SPRING SYSTEM

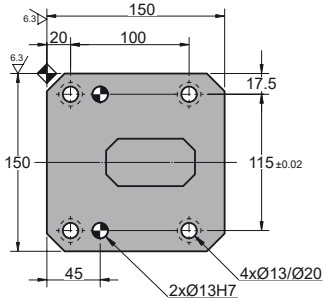
*-Only for ASFK



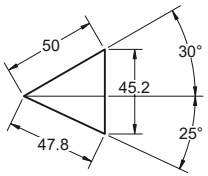




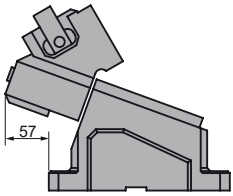




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.8	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	43.7	ASCB	0150	25
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

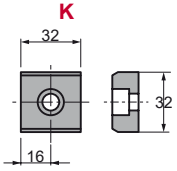
ASCB 0150 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

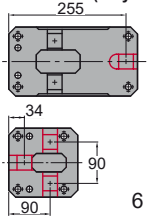
K - KT KEY

K



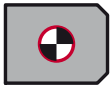
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 25-K

ASCB 0150 25-P16

ASCB 0150 25-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

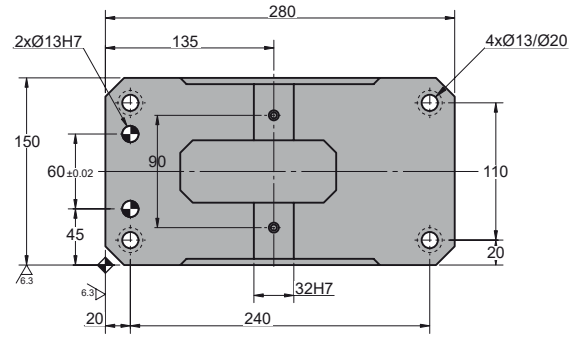
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

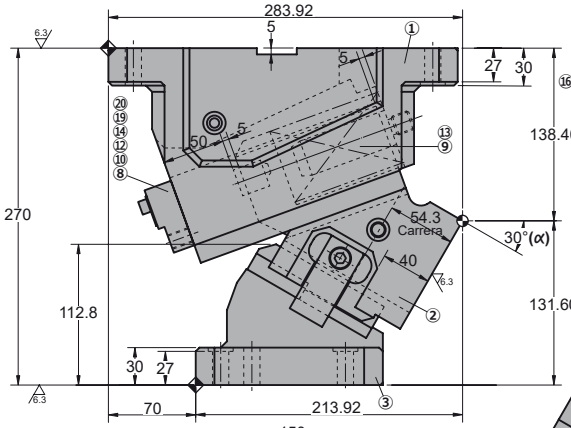
ASCB 0150 - ASFK 0150

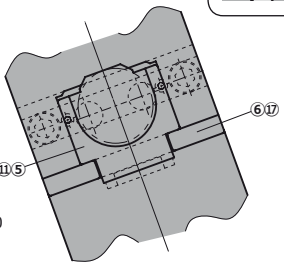
Aerial cam for pierce

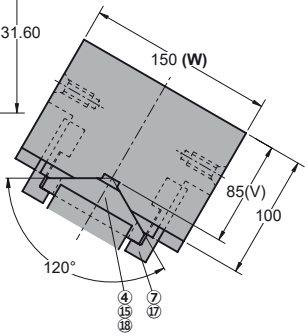
AZOL GAS

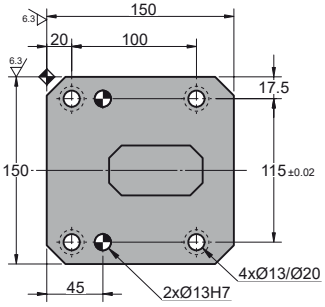
ASCB 0150 30







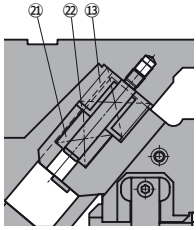




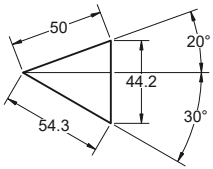
ASFK 0150 30

SPRING SYSTEM

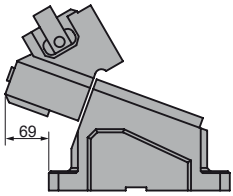
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	42.2	ASCB	0150	30
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

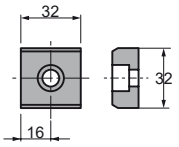
ASCB 0150 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

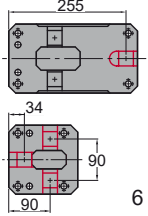
K - KT KEY

K



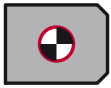
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 30-K

ASCB 0150 30-P16

ASCB 0150 30-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

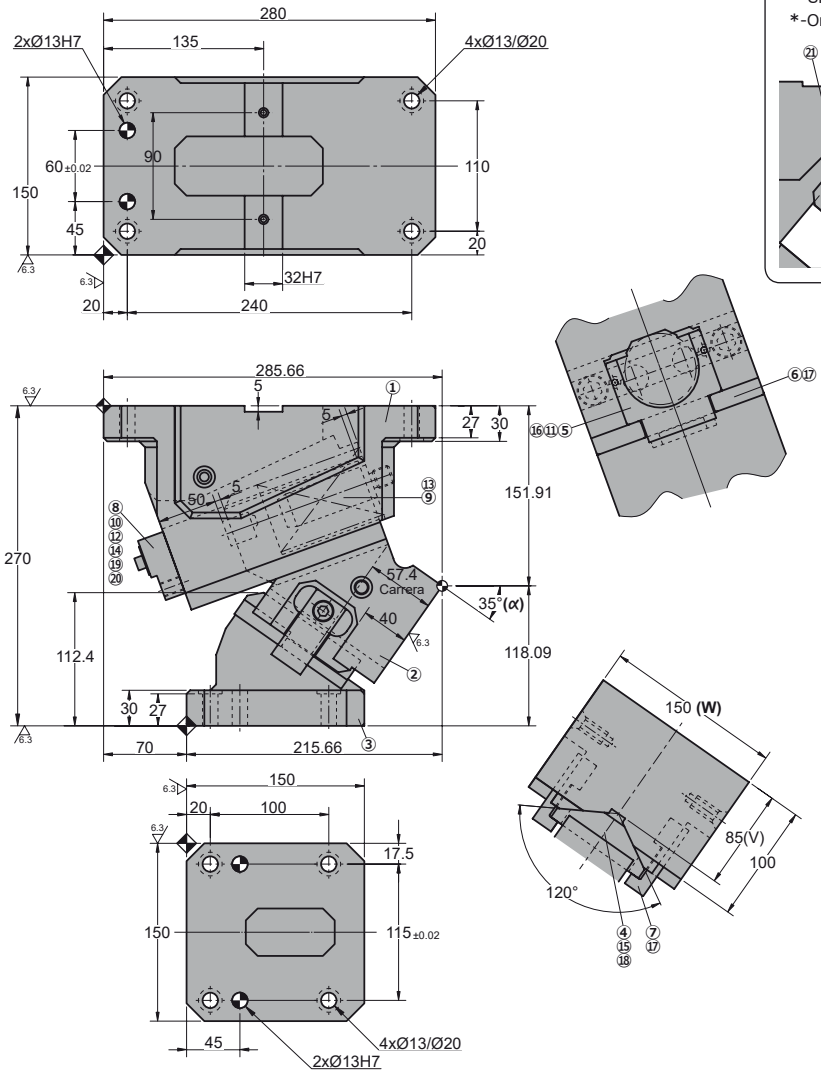
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

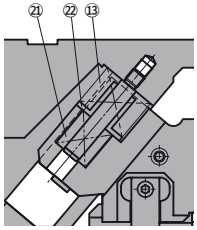
ASCB 0150 35



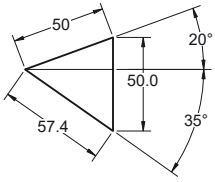
ASFK 0150 35

SPRING SYSTEM

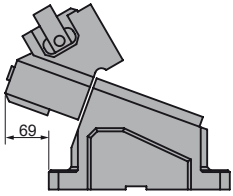
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.4	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	42.7	ASCB	0150	35
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

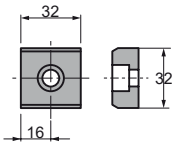
ASCB 0150 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

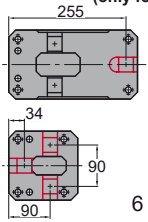
K - KT KEY

K



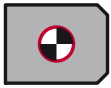
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 35-K

ASCB 0150 35-P16

ASCB 0150 35-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

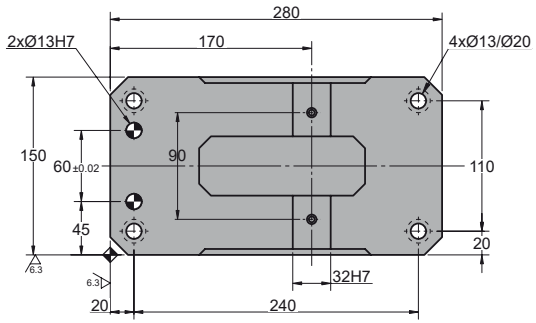
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

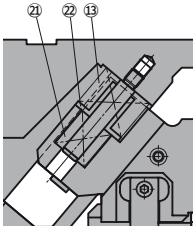
ASCB 0150 40

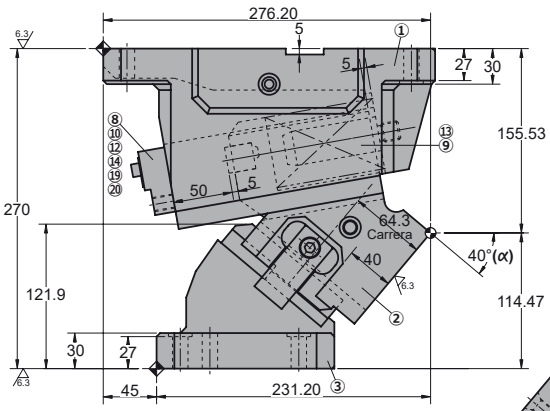


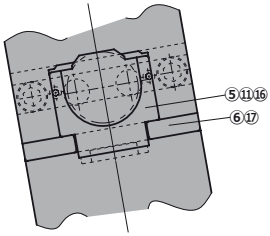
ASFK 0150 40

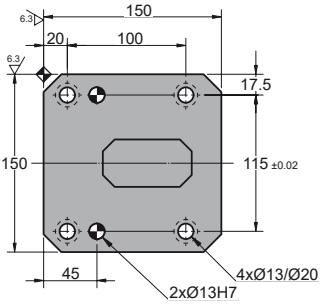
SPRING SYSTEM

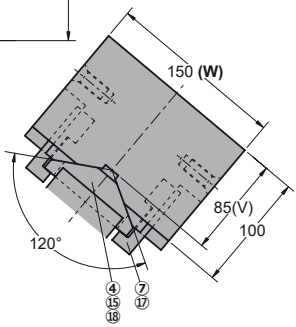
*-Only for ASFK



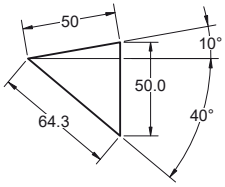




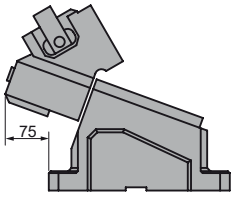




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.0	ASCB	0150	40
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

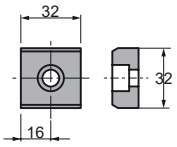
ASCB 0150 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

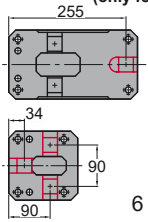
K - KT KEY

K



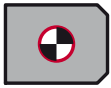
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 40-K

ASCB 0150 40-P16

ASCB 0150 40-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

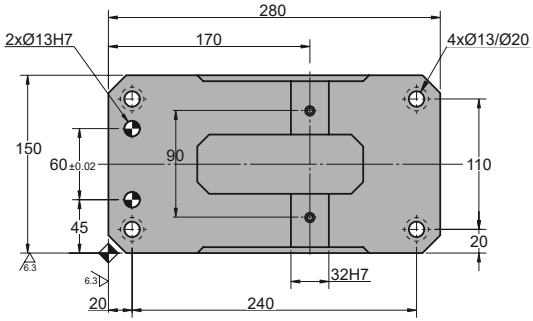
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

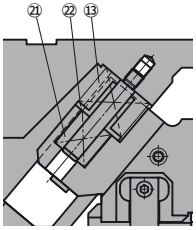
ASCB 0150 45

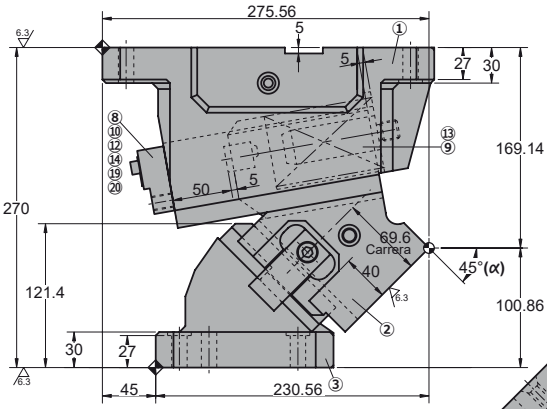


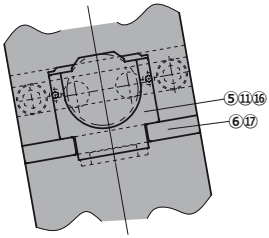
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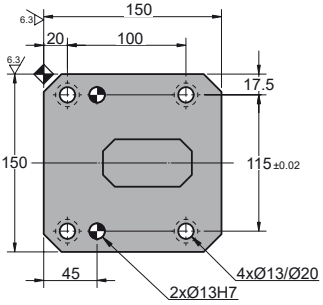
SPRING SYSTEM

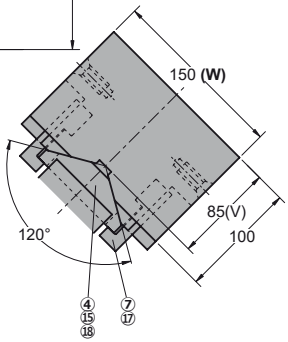
*-Only for ASFK



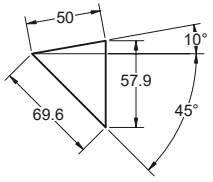




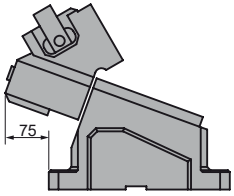




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
69.6	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.4	ASCB	0150	45
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

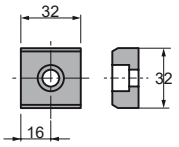
ASCB 0150 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

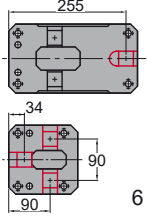
K - KT KEY

K



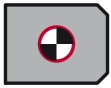
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 45-K

ASCB 0150 45-P16

ASCB 0150 45-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

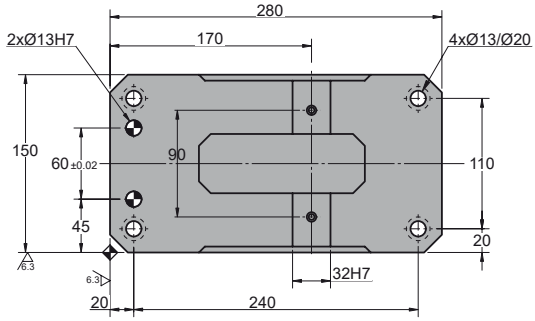
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

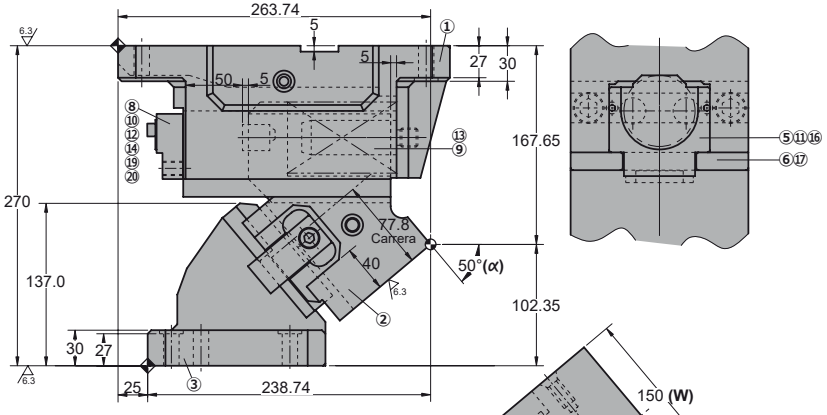
ASCB 0150 - ASFK 0150

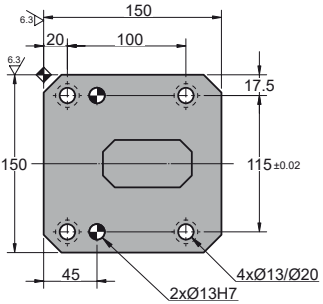
Aerial cam for pierce

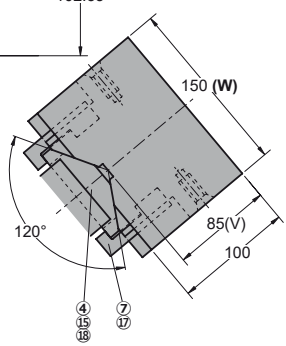
AZOL GAS

ASCB 0150 50





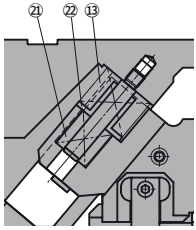




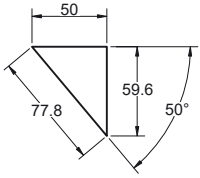
ASFK 0150 50

SPRING SYSTEM

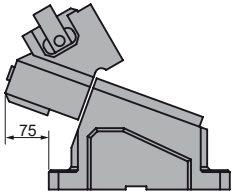
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	40.5	ASCB	0150	50
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

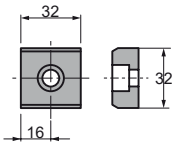
ASCB 0150 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

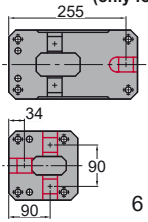
K - KT KEY

K



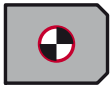
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 50-K

ASCB 0150 50-P16

ASCB 0150 50-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

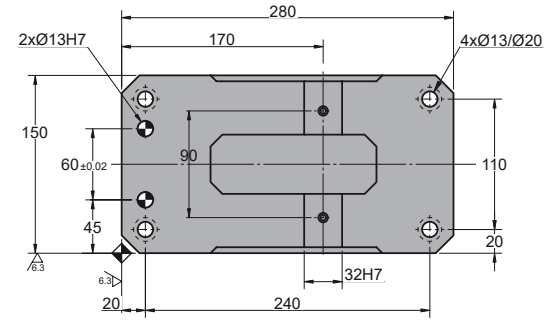
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

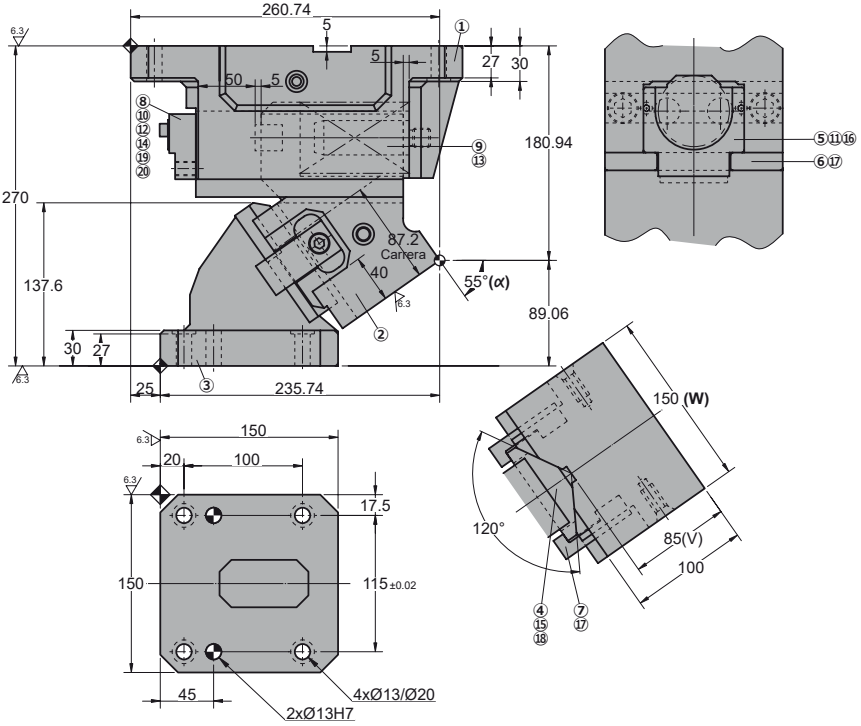
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 55

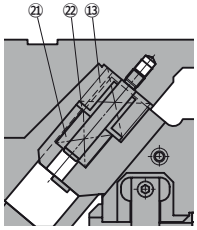




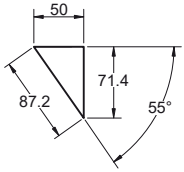
ASFK 0150 55

SPRING SYSTEM

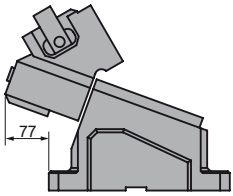
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	40.9	ASCB	0150	55
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

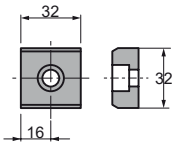
ASCB 0150 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

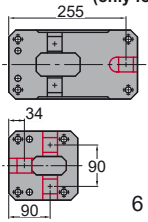
K - KT KEY

K



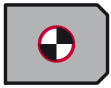
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 55-K

ASCB 0150 55-P16

ASCB 0150 55-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

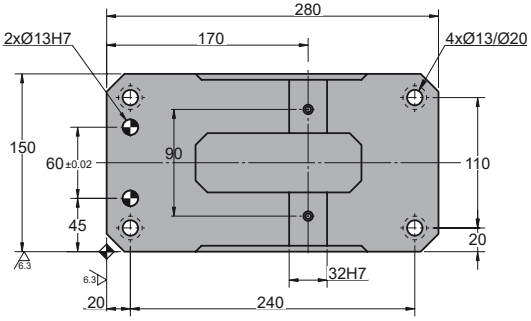
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

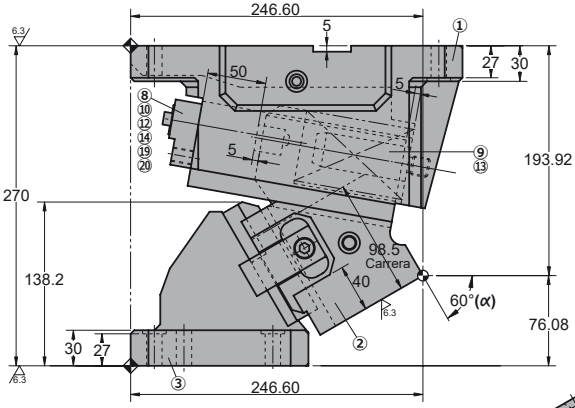
ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

ASCB 0150 60

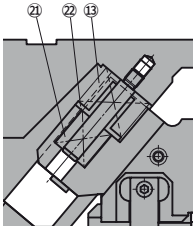


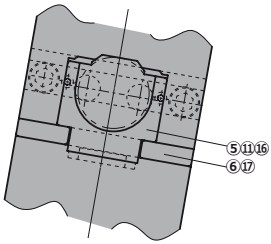


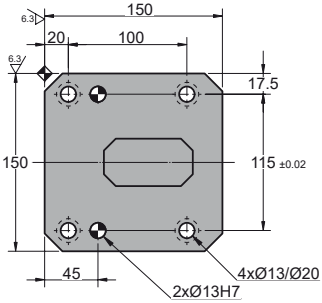
ASFK 0150 60

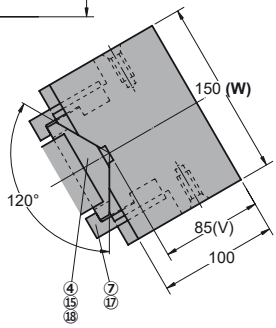
SPRING SYSTEM

*-Only for ASFK

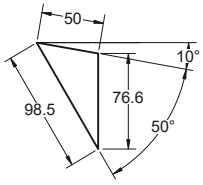




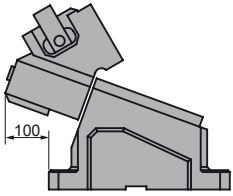




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
98.5	88.2 (9.0)	132.3 (13.5)	635.5 (64.8)	4607.5 (470.2)	41.5	ASCB	0150	60
	123.5 (12.6)	185.2 (18.9)	222.8 (22.7)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

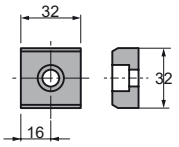
ASCB 0150 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

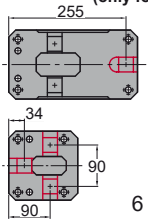
K - KT KEY

K



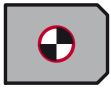
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 60-K

ASCB 0150 60-P16

ASCB 0150 60-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

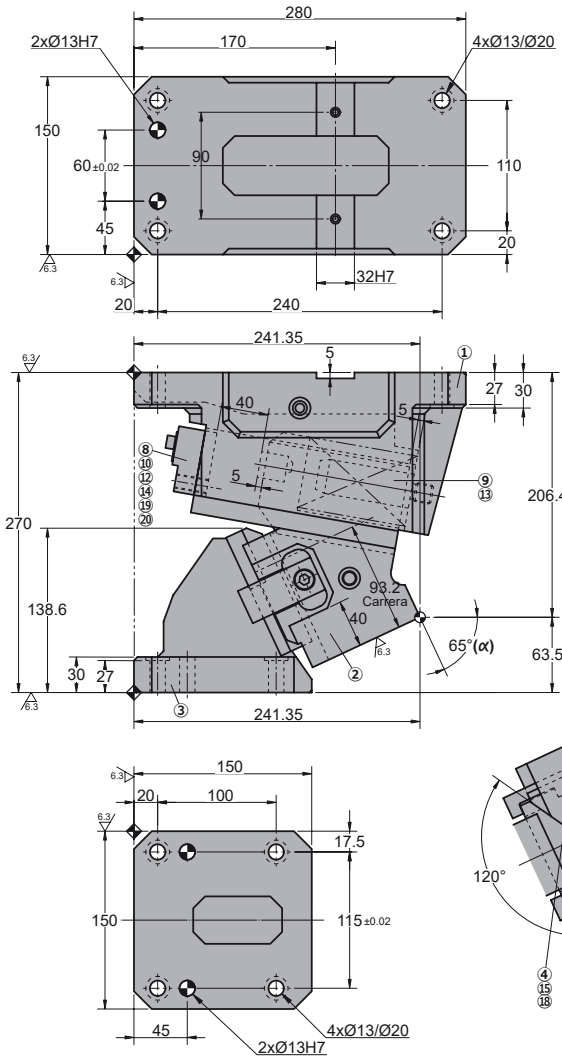
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

Aerial cam for pierce

AZOL GAS

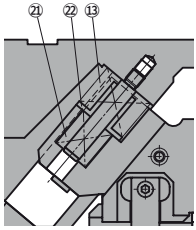
ASCB 0150 65

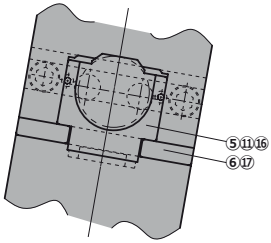


ASFK 0150 65

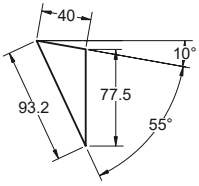
SPRING SYSTEM

*-Only for ASFK

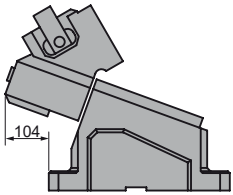




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.2	88.2 (9.0)	132.3 (13.5)	1429.2 (145.8)	4607.5 (470.2)	42.2	ASCB	0150	65
	123.5 (12.6)	185.2 (18.9)	501.3 (51.2)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

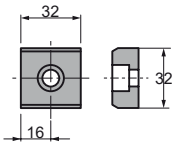
ASCB 0150 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

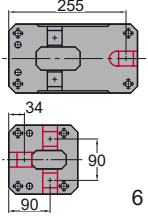
K - KT KEY

K



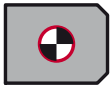
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 65-K

ASCB 0150 65-P16

ASCB 0150 65-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

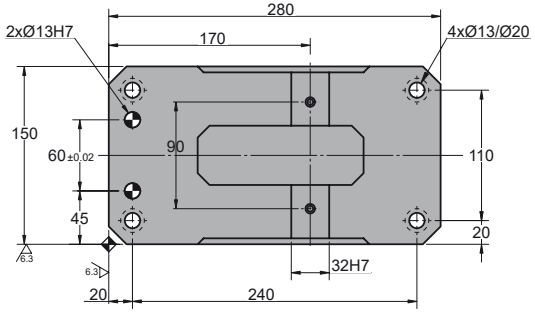
No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

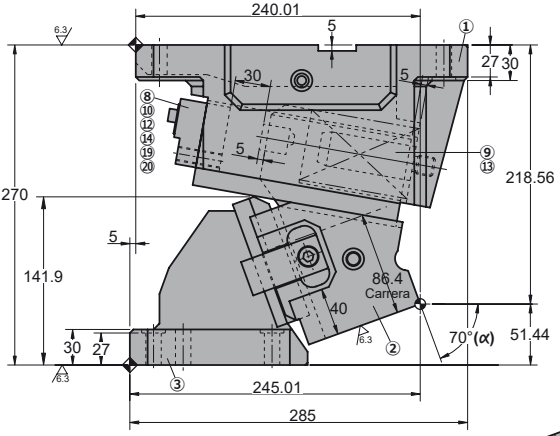
ASCB 0150 - ASFK 0150

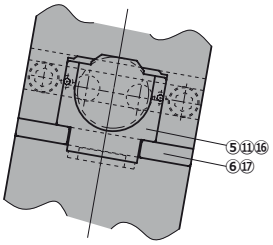
Aerial cam for pierce

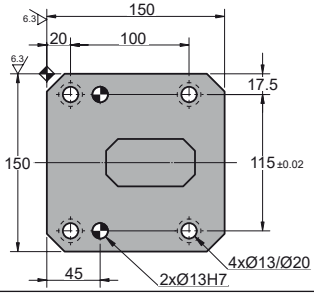
AZOL GAS

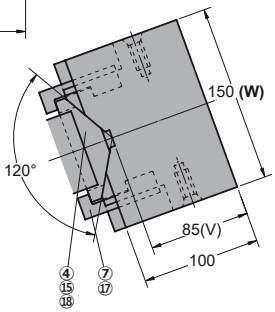
ASCB 0150 70







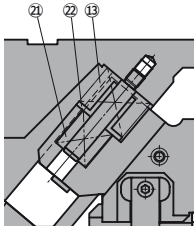




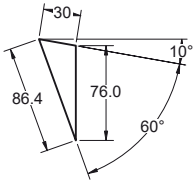
ASFK 0150 70

SPRING SYSTEM

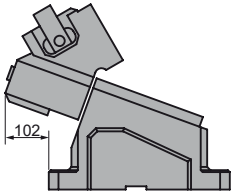
*-Only for ASFK



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASCB 0150 - ASFK 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
86.4	88.2 (9.0)	132.3 (13.5)	2223.2 (226.8)	4607.5 (470.2)	43.5	ASCB	0150	70
	123.5 (12.6)	185.2 (18.9)	779.8 (79.6)	9569.4 (975.8)		ASFK		

Order: Model (W) (α)

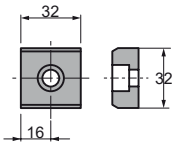
ASCB 0150 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

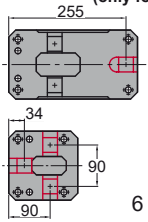
K - KT KEY

K



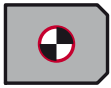
2 x M8x15

KT (only for ASFK)



6 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

ASCB 0150 70-K

ASCB 0150 70-P16

ASCB 0150 70-P16-K

SPARE PARTS:

- ④ Slider guide
- ⑥ Slider Plate
- ⑬ Coil Spring
- ㉑ Coil Spring*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Slider guide	1	Bronze + G
⑤	Slider Guide Block	1	GGG50 + G
⑥	Slider Plate	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Stopper Plate	1	CK22
⑨	Spring guide	1	CK45
⑩	Security Plate	1	CK45
⑪	Slider Key	1	CK45
⑫	Cushioning Stopper	2	Urethane

No.	Description	Qty.	Material
⑬	Coil Spring	1	TL60-150
⑭	Disc Spring	2	M6
⑮	Dowel Pin	2	Ø10 x 40
⑯	Screw	4	M12 x 30
⑰	Screw	8	M10 x 25
⑱	Screw	2	M10 x 35
⑲	Screw	2	M16 x 35
⑳	Screw	2	M6 x 15
*⑬	Coil Spring	1	TH60-60
*㉑	Coil Spring	1	TF40-90
*㉒	Casquillo guía	1	CK45

ASCB 0150 - ASFK 0150

AZOL GAS

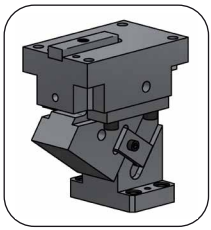
Aerial cam for pierce

AZOL GAS

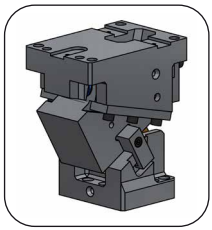
AUKE

Aerial cam for pierce and flange

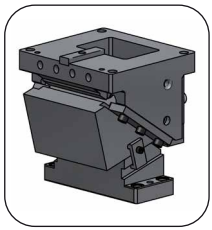
General information



AUKE 0065



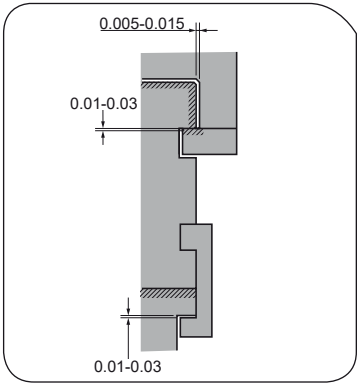
AUKE 0100



AUKE 0200

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- Slider easy desassembly from the rear.

Adjustment clearances

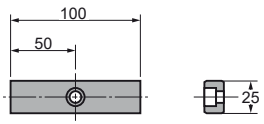


AUKE 0065
AUKE 0100
AUKE 0200

Keys

K

AUKE 0065 / 0100 / 0200



AUKE

Aerial cam for pierce and flange

AZOL GAS

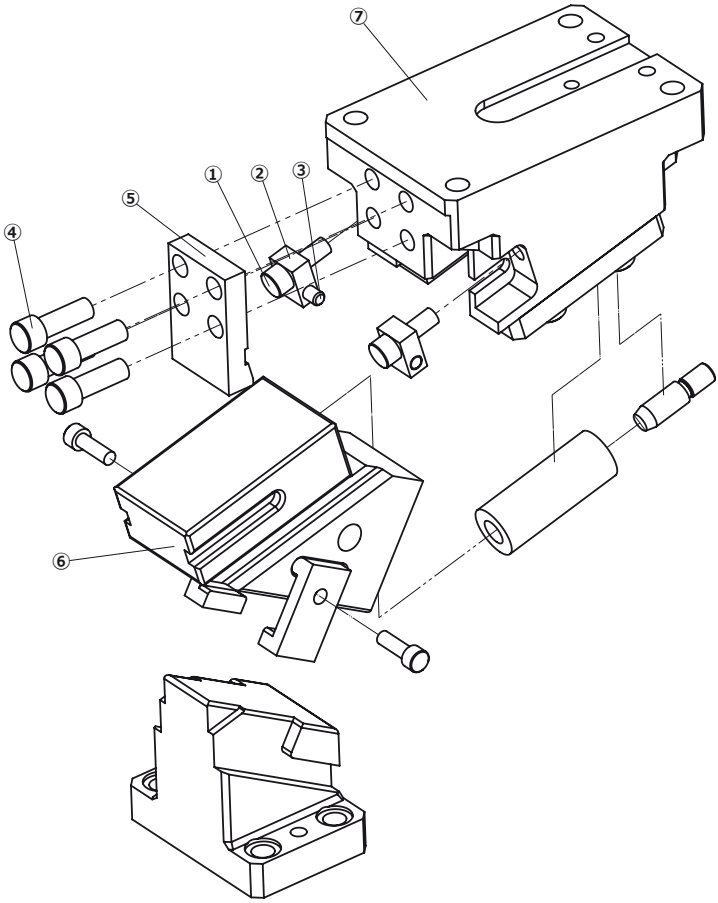
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove stopper plates ② and the pin ③.
- Unscrew ④ and remove the plate ⑤.
- Push cam slider ⑥ and remove cam support ⑦.

Assembling process

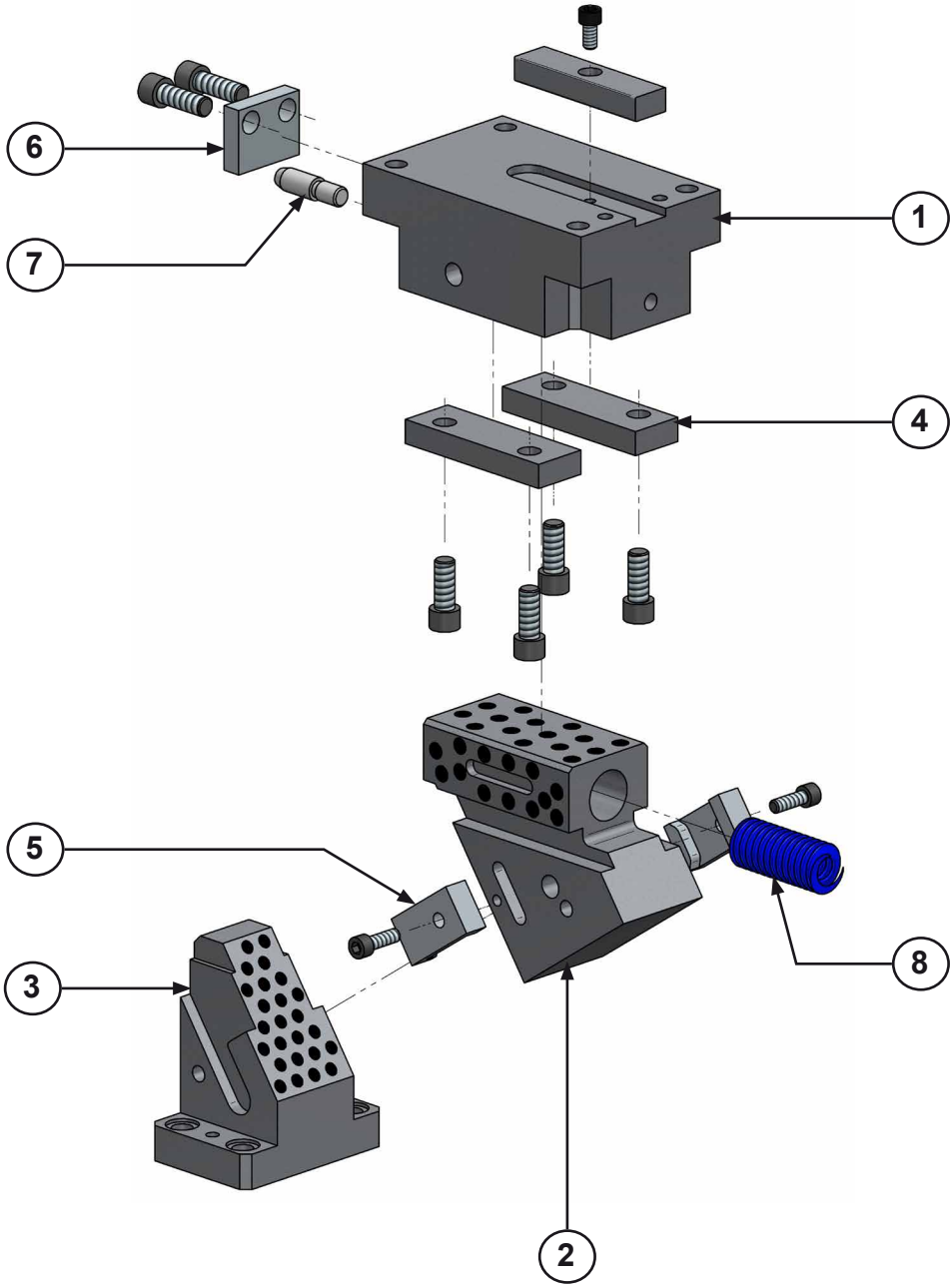
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

AUKE 0065

Aerial cam for pierce

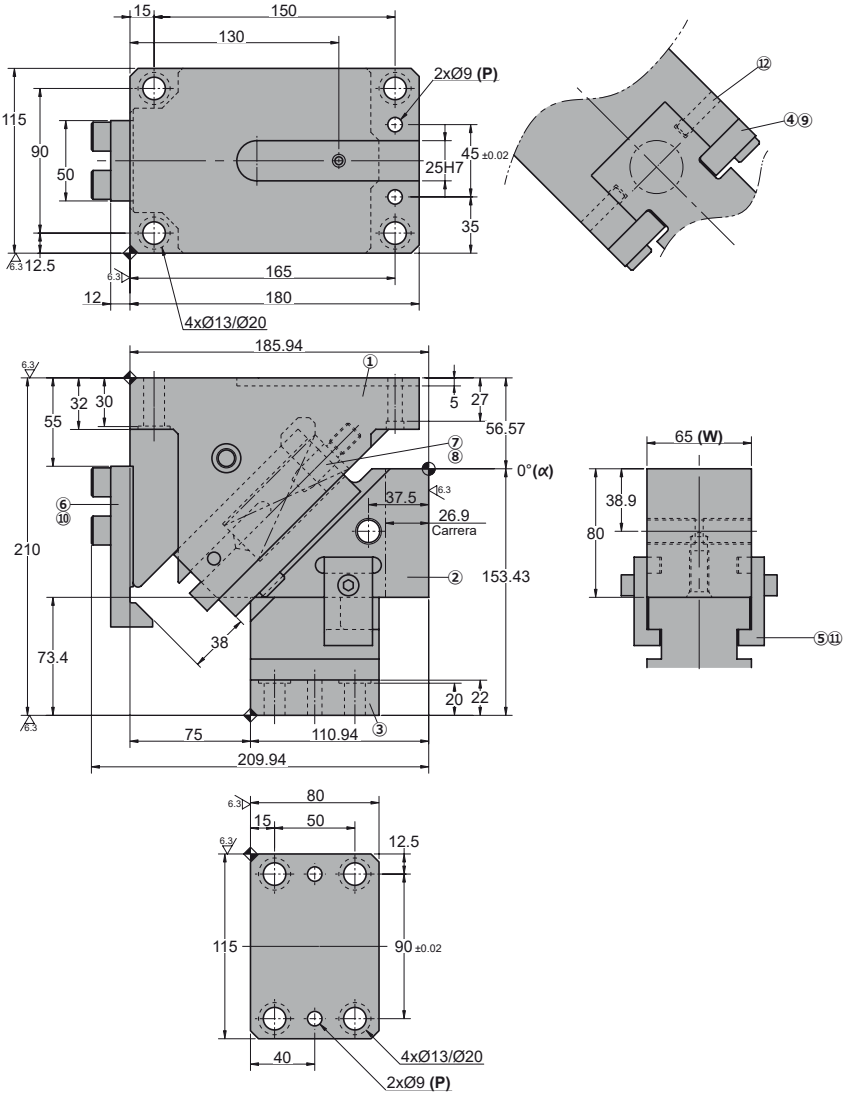


AUKE 0065

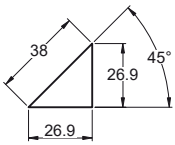
Aerial cam for pierce

AZOL GAS

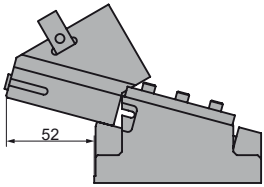
AUKE 0065 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
26.9	19.6 (2.0)	39.2 (4.0)	166.2 (16.9)	1069.2 (109.0)	19.5	AUKE	0065	00

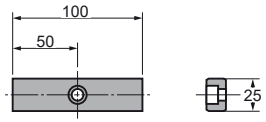
Order: Model (W) (α)

AUKE 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

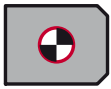
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 00-K

AUKE 0065 00-P13

AUKE 0065 00-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

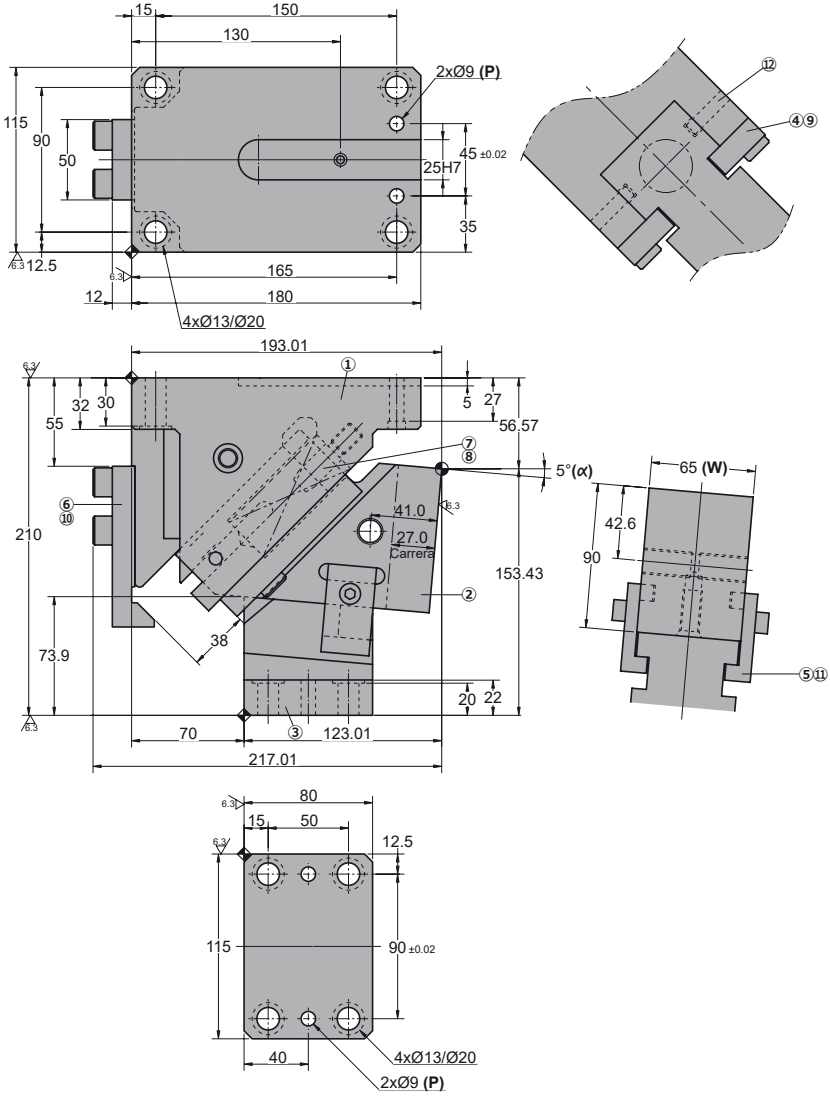
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

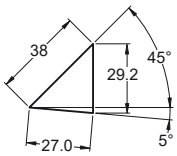
Aerial cam for pierce

AZOL GAS

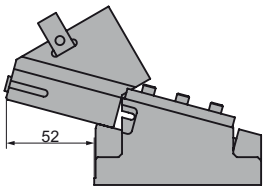
AUKE 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
27.0	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.8	AUKE	0065	05

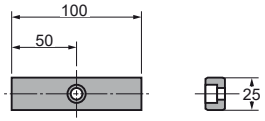
Order: Model (W) (α)

AUKE 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

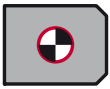
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 05-K

AUKE 0065 05-P13

AUKE 0065 05-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

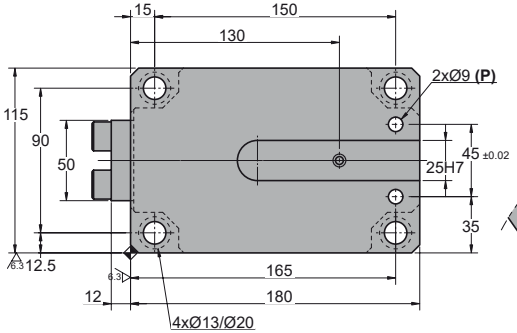
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

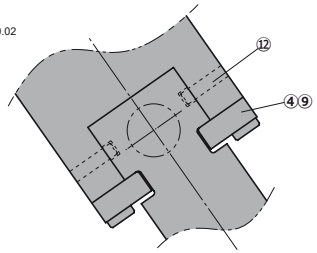
AUKE 0065

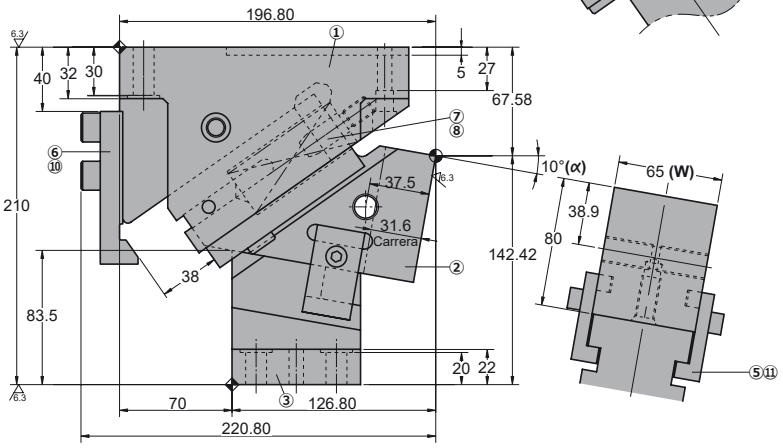
Aerial cam for pierce

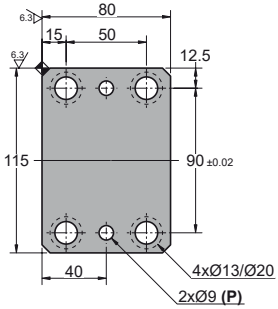
AZOL GAS

AUKE 0065 10

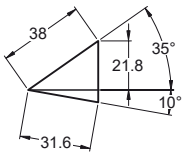




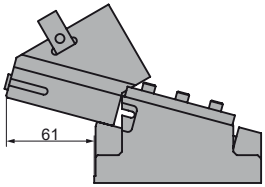




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
31.6	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.3	AUKE	0065	10

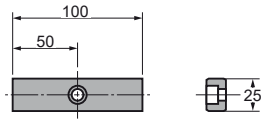
Order: Model (W) (α)

AUKE 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

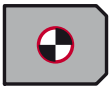
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 10-K

AUKE 0065 10-P13

AUKE 0065 10-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

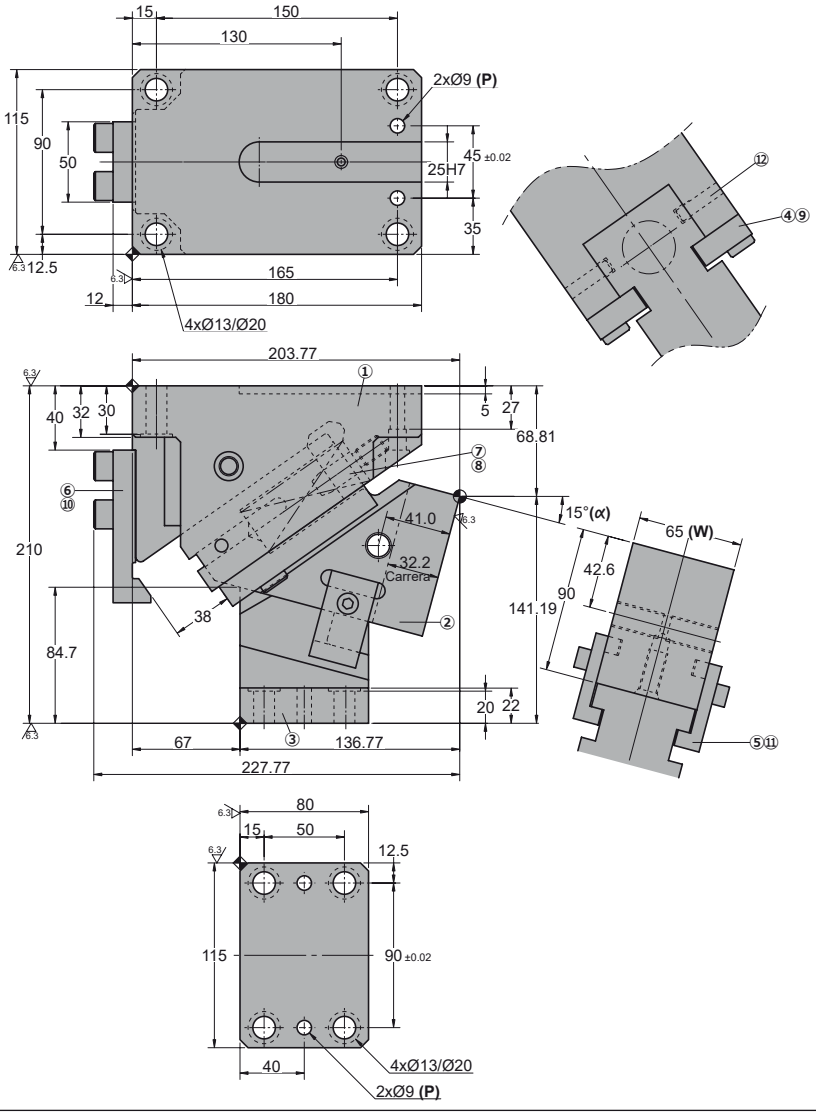
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

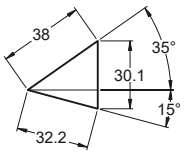
Aerial cam for pierce

AZOL GAS

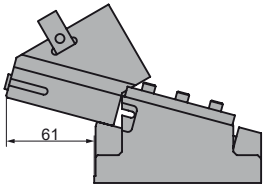
AUKE 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.2	19.6 (2.0)	39.2 (4.0)	237.4 (24.2)	1140.5 (116.3)	19.6	AUKE	0065	15

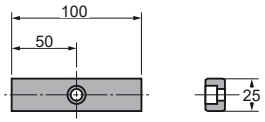
Order: Model (W) (α)

AUKE 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

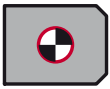
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 15-K

AUKE 0065 15-P13

AUKE 0065 15-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

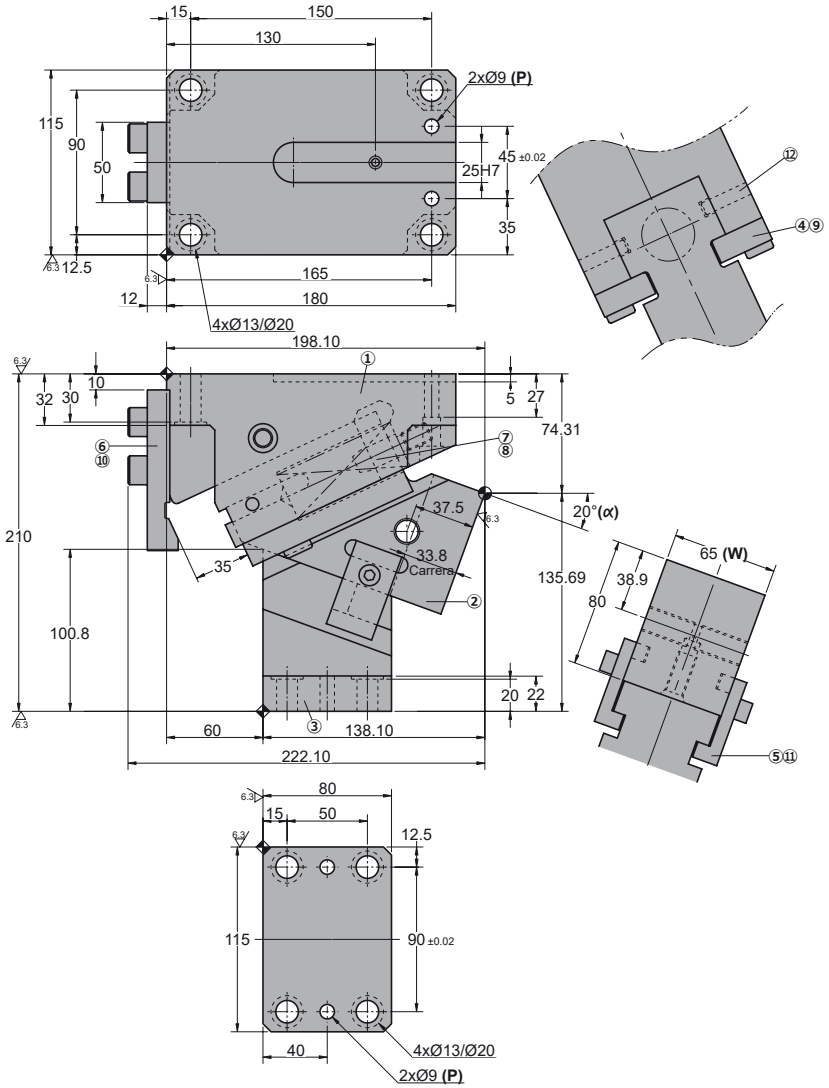
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

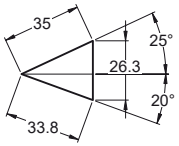
Aerial cam for pierce

AZOL GAS

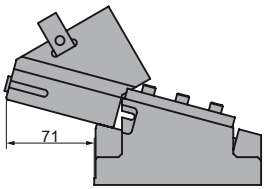
AUKE 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.8	19.6 (2.0)	39.2 (4.0)	308.6 (31.5)	1140.5 (116.3)	18.1	AUKE	0065	20

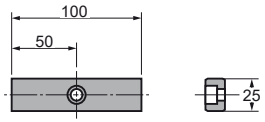
Order: Model (W) (α)

AUKE 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

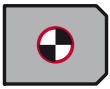
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 20-K

AUKE 0065 20-P13

AUKE 0065 20-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

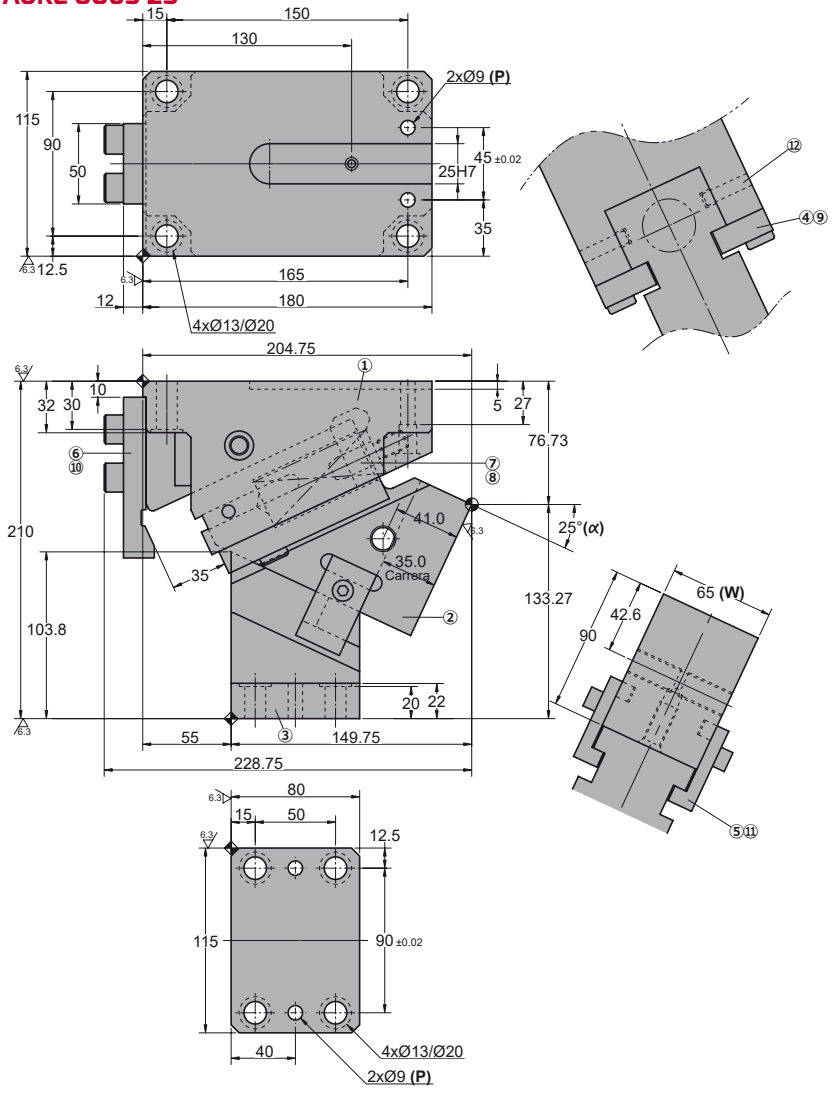
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

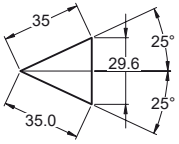
Aerial cam for pierce

AZOL GAS

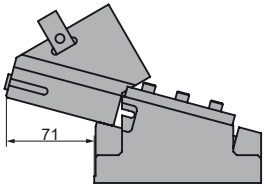
AUKE 0065 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	19.6 (2.0)	39.2 (4.0)	308.6 (31.5)	1140.5 (116.3)	18.4	AUKE	0065	25

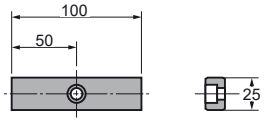
Order: Model (W) (α)

AUKE 0065 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

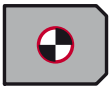
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 25-K

AUKE 0065 25-P13

AUKE 0065 25-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

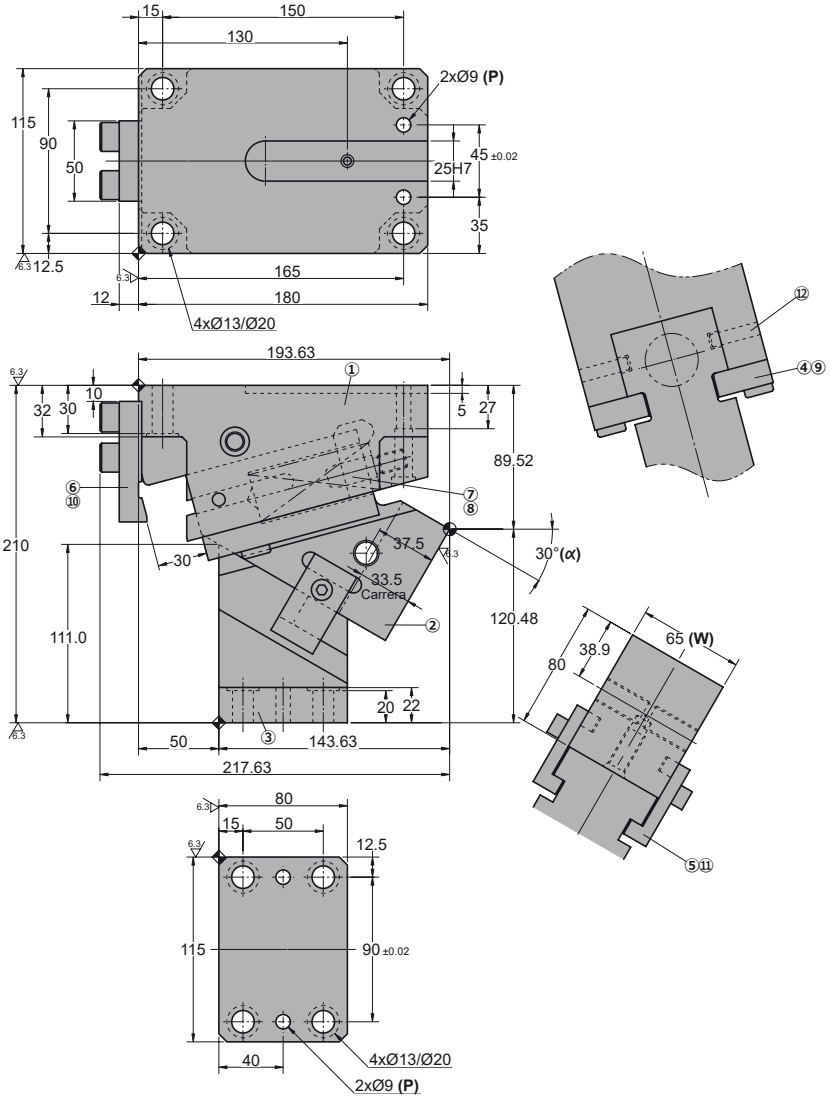
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

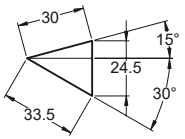
Aerial cam for pierce

AZOL GAS

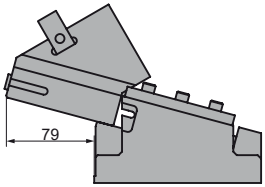
AUKE 0065 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.5	23.5 (2.4)	47.0 (4.8)	427.7 (43.6)	1140.5 (116.3)	17.7	AUKE	0065	30

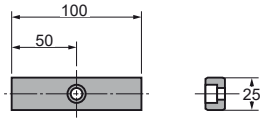
Order: Model (W) (α)

AUKE 0065 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

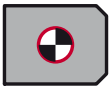
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 30-K

AUKE 0065 30-P13

AUKE 0065 30-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

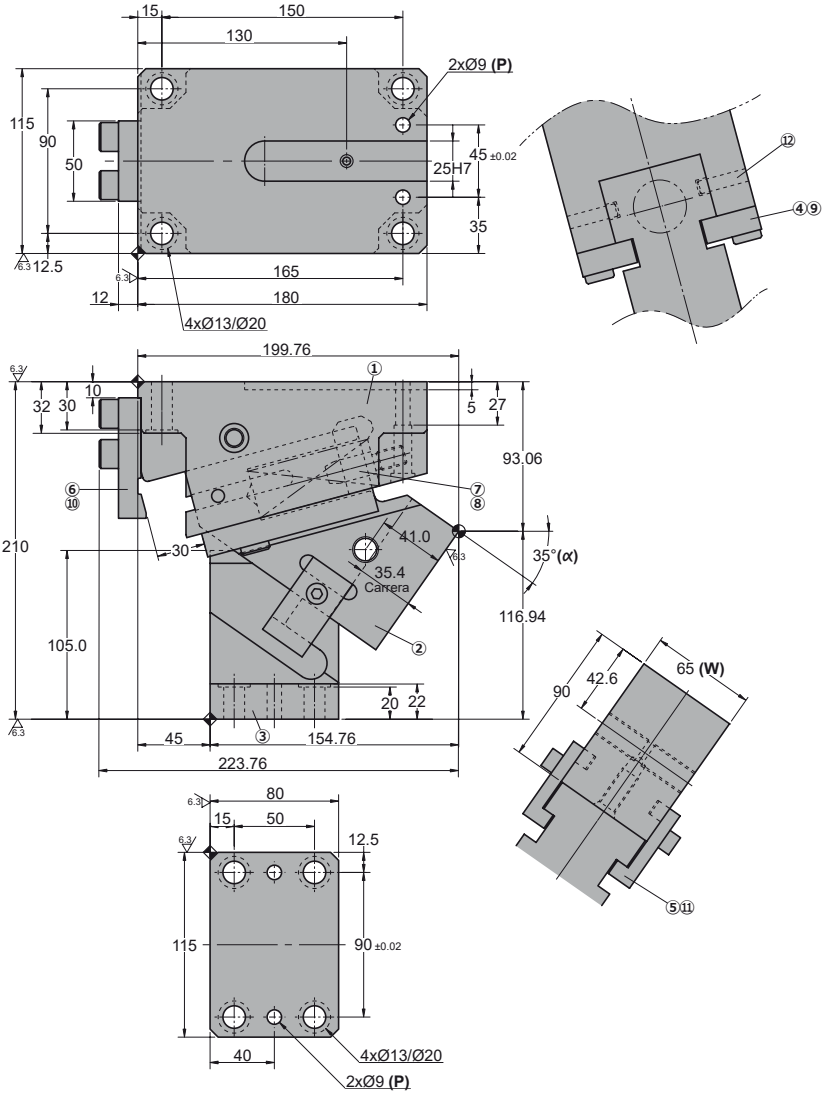
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

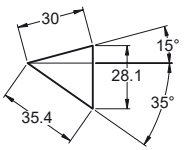
Aerial cam for pierce

AZOL GAS

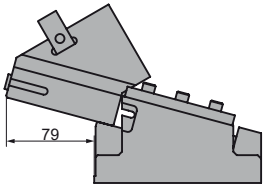
AUKE 0065 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	23.5 (2.4)	47.0 (4.8)	427.7 (43.6)	1140.5 (116.3)	18.0	AUKE	0065	35

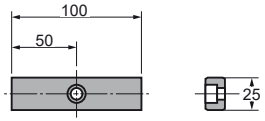
Order: Model (W) (α)

AUKE 0065 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

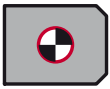
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 35-K

AUKE 0065 35-P13

AUKE 0065 35-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

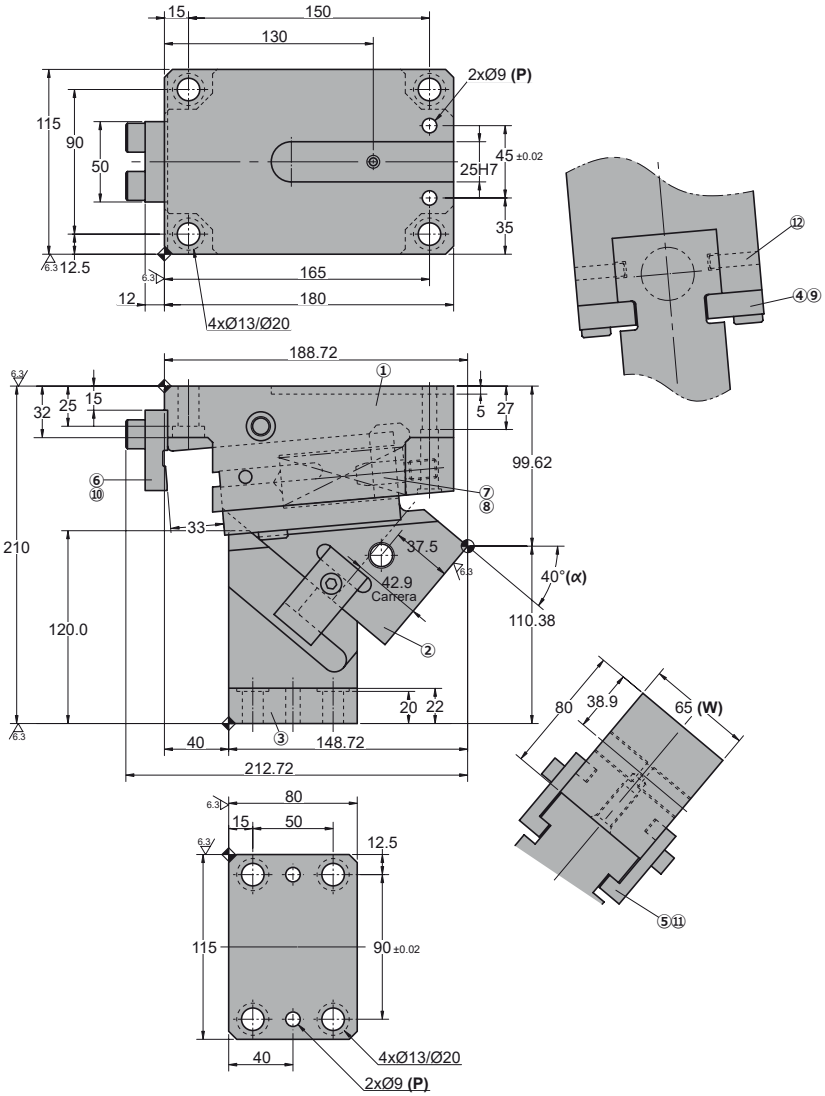
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

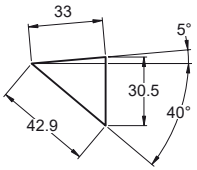
Aerial cam for pierce

AZOL GAS

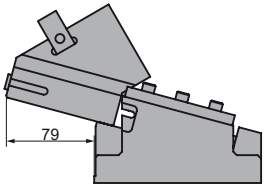
AUKE 0065 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.9	23.5 (2.4)	47.0 (4.8)	356.1 (36.3)	1140.5 (116.3)	16.9	AUKE	0065	40

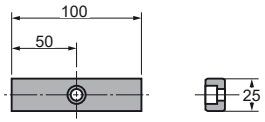
Order: Model (W) (α)

AUKE 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

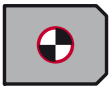
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 40-K

AUKE 0065 40-P13

AUKE 0065 40-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

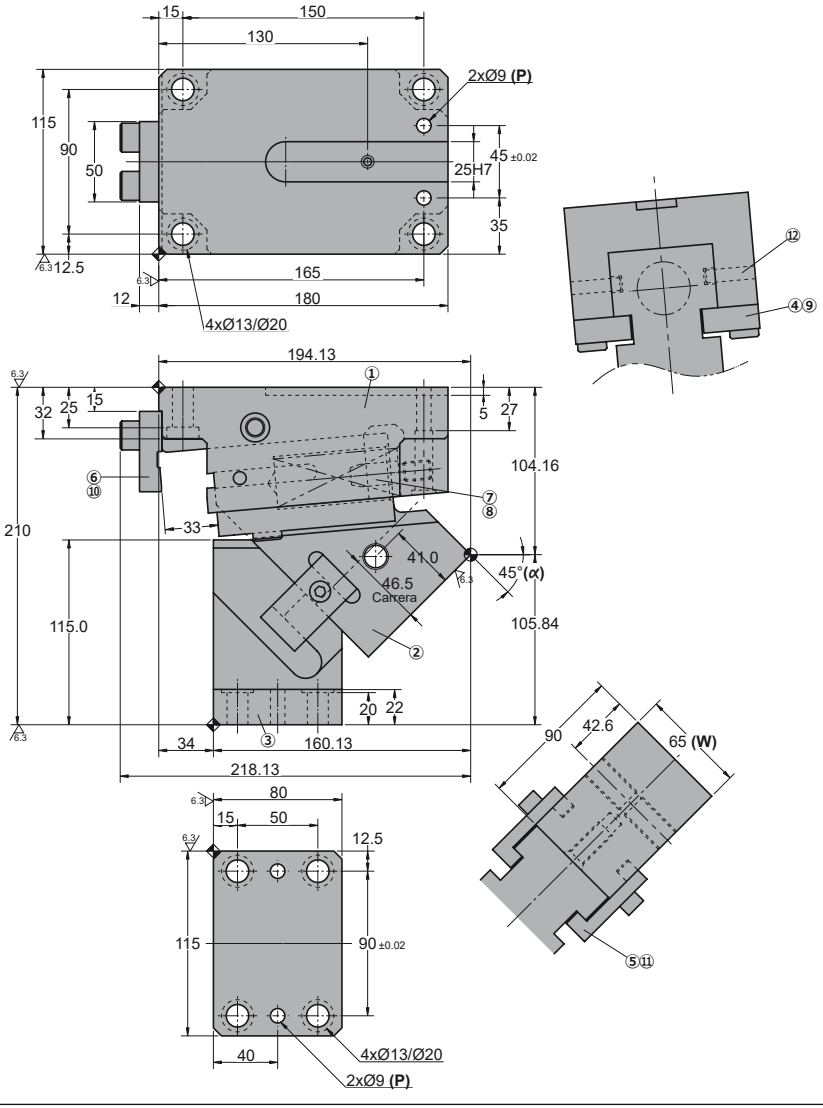
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

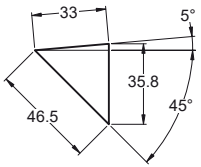
Aerial cam for pierce

AZOL GAS

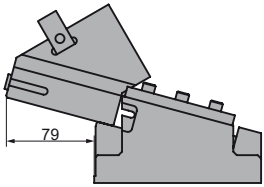
AUKE 0065 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.5	23.5 (2.4)	47.0 (4.8)	356.1 (36.3)	1140.5 (116.3)	17.1	AUKE	0065	45

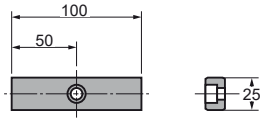
Order: Model (W) (α)

AUKE 0065 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

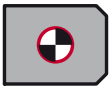
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 45-K

AUKE 0065 45-P13

AUKE 0065 45-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

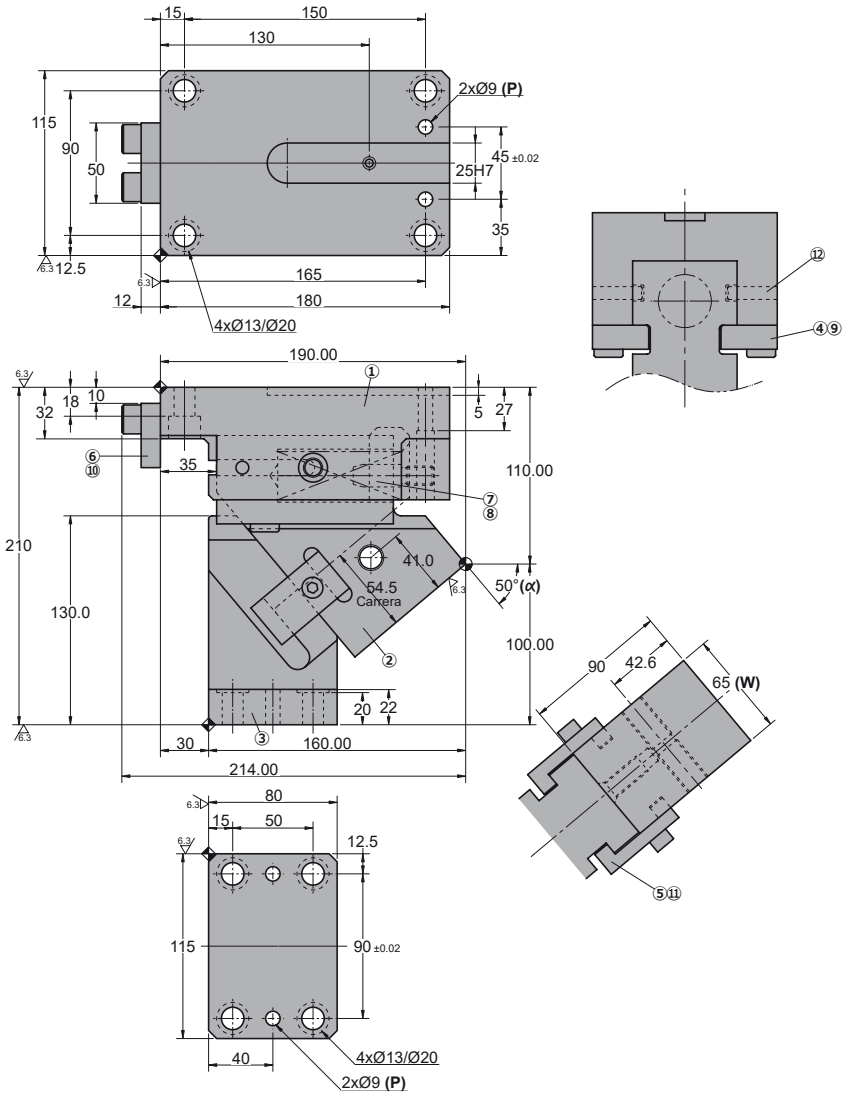
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

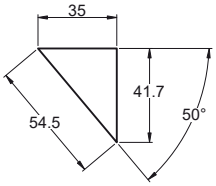
Aerial cam for pierce

AZOL GAS

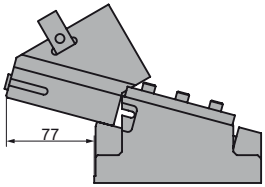
AUKE 0065 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.5	29.4 (3.0)	58.8 (6.0)	308.6 (31.5)	1140.5 (116.3)	16.8	AUKE	0065	50

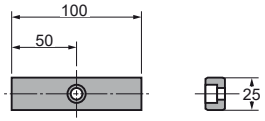
Order: Model (W) (α)

AUKE 0065 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

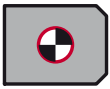
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 50-K

AUKE 0065 50-P13

AUKE 0065 50-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

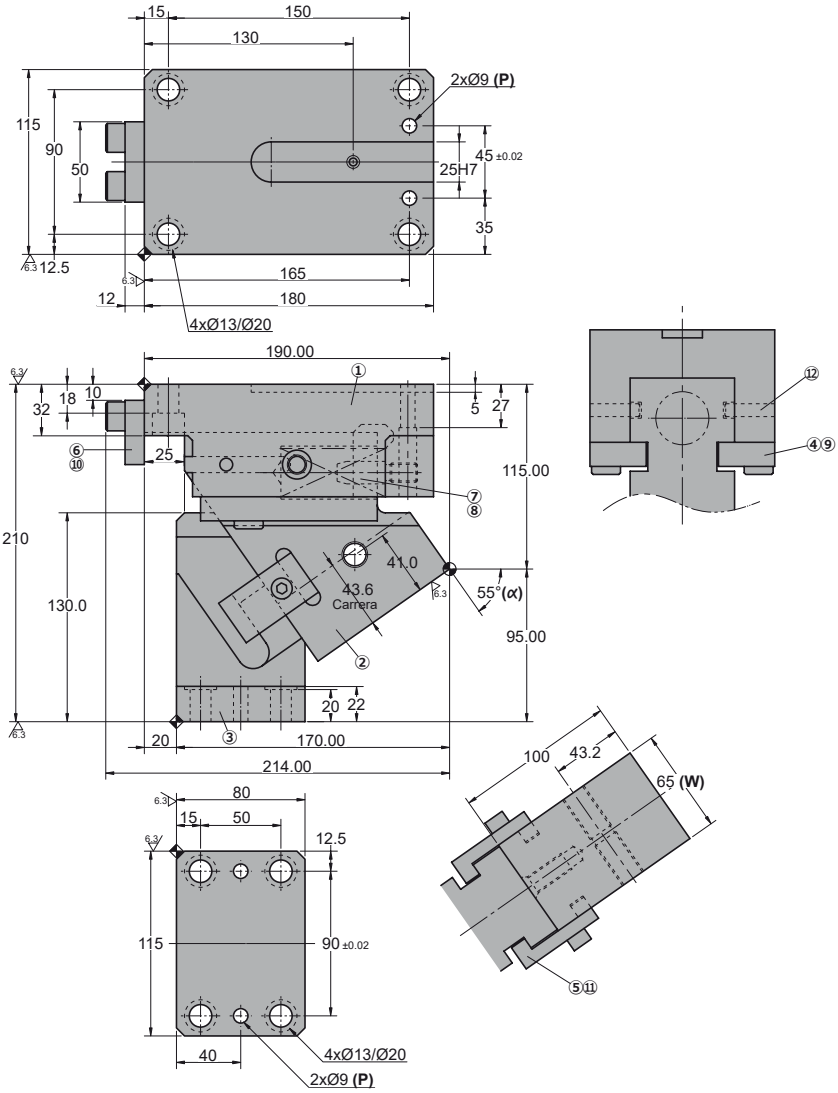
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

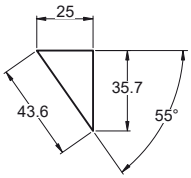
Aerial cam for pierce

AZOL GAS

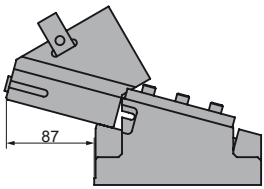
AUKE 0065 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.6	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	1039.2 (106.0)	17.8	AUKE	0065	55

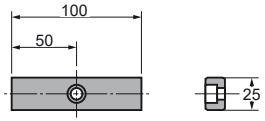
Order: Model (W) (α)

AUKE 0065 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

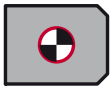
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 55-K

AUKE 0065 55-P13

AUKE 0065 55-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

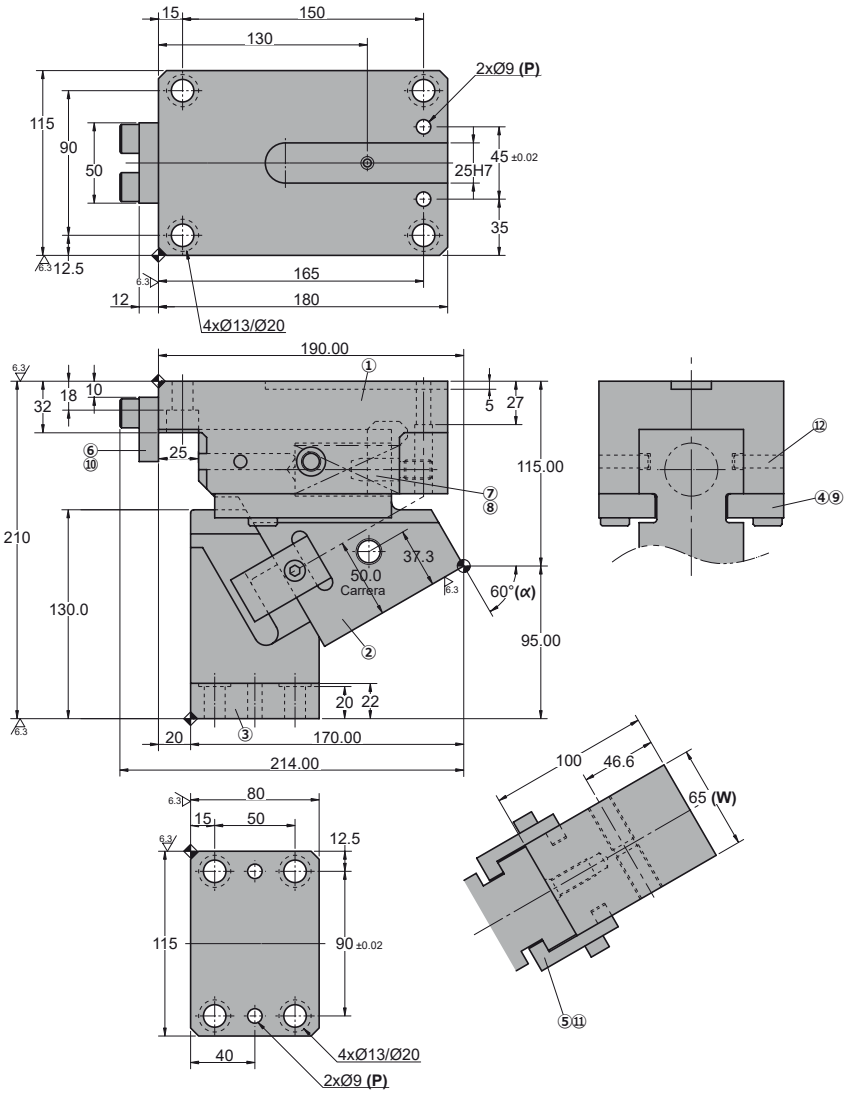
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

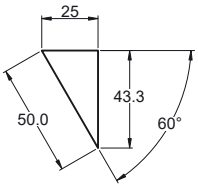
Aerial cam for pierce

AZOL GAS

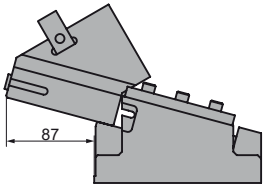
AUKE 0065 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	1039.2 (106.0)	17.3	AUKE	0065	60

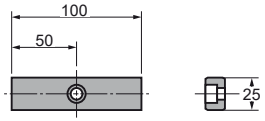
Order: Model (W) (α)

AUKE 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

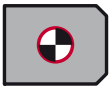
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 60-K

AUKE 0065 60-P13

AUKE 0065 60-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

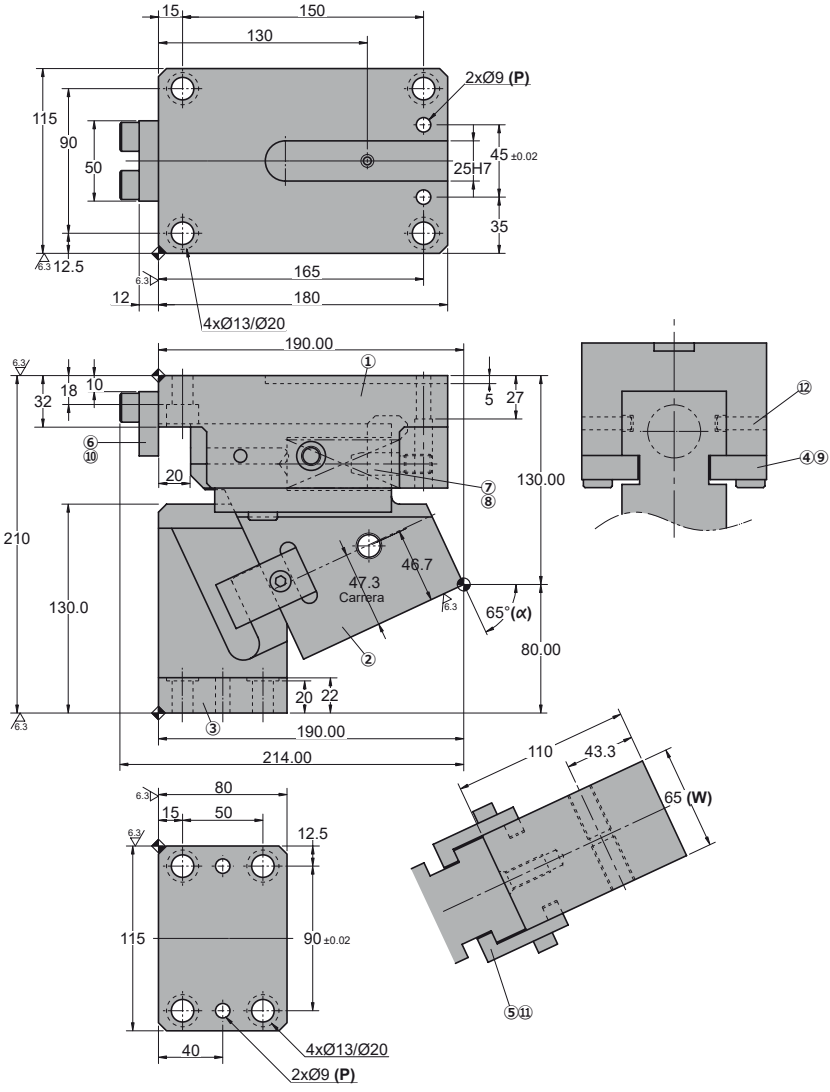
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

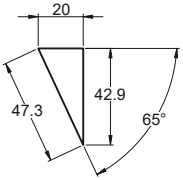
Aerial cam for pierce

AZOL GAS

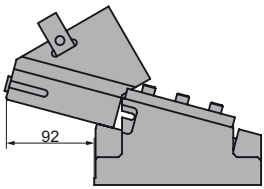
AUKE 0065 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.3	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	890.7 (90.8)	18.5	AUKE	0065	65

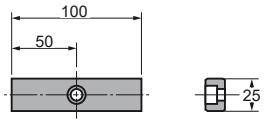
Order: Model (W) (α)

AUKE 0065 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

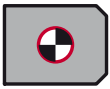
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 65-K

AUKE 0065 65-P13

AUKE 0065 65-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

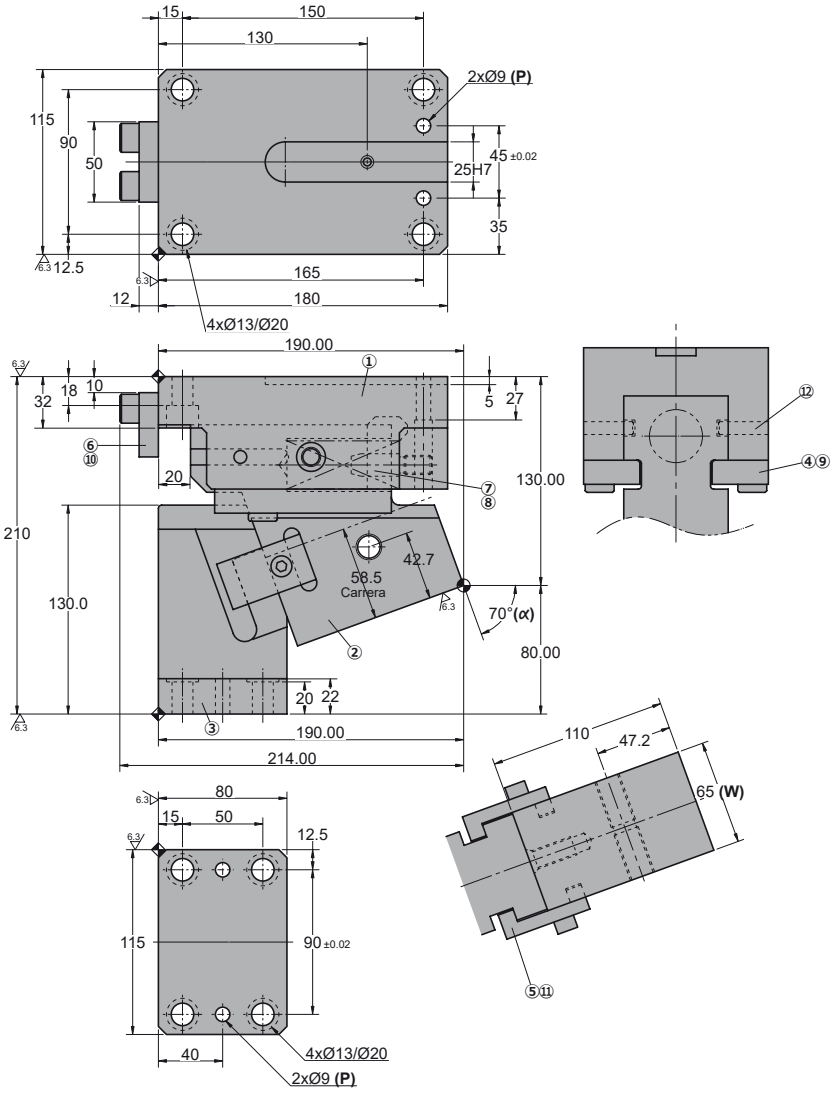
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

AUKE 0065

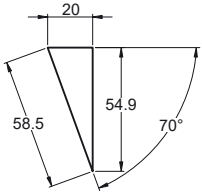
Aerial cam for pierce

AZOL GAS

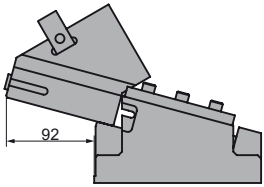
AUKE 0065 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	29.4 (3.0)	58.8 (6.0)	296.3 (30.2)	890.7 (90.8)	18.4	AUKE	0065	70

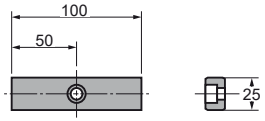
Order: Model (W) (α)

AUKE 0065 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

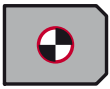
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø10H7 - Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0065 70-K

AUKE 0065 70-P13

AUKE 0065 70-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	GG25 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20

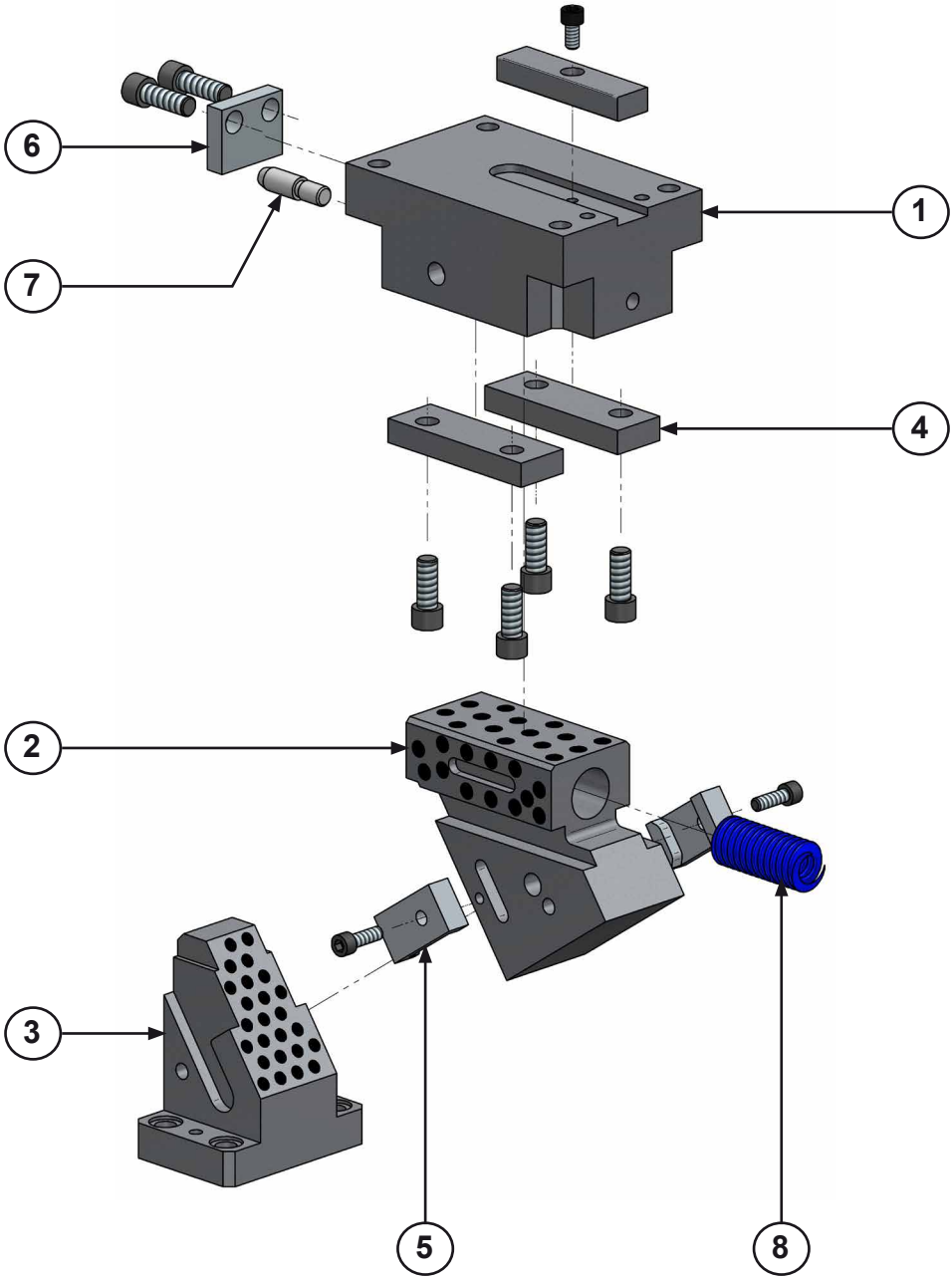
AUKE 0065

Aerial cam for pierce

AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

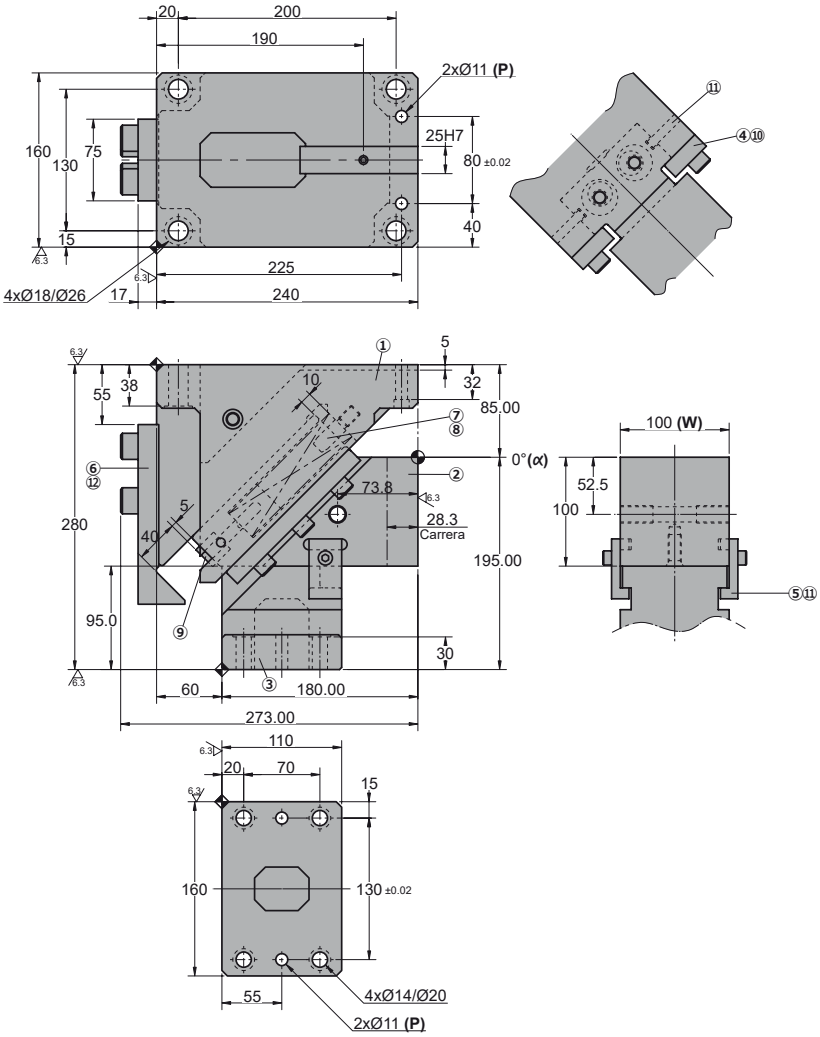


AUKE 0100

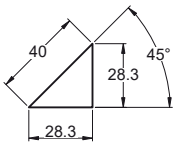
Aerial cam for pierce and flange

AZOL GAS

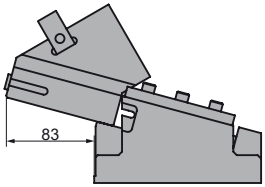
AUKE 0100 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.3	44.1 (4.5)	88.2 (9.0)	313.0 (31.9)	2819.7 (287.5)	47.0	AUKE	0100	00

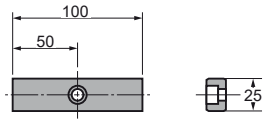
Order: Model (W) (α)

AUKE 0100 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

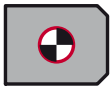
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 00-K

AUKE 0100 00-P13

AUKE 0100 00-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

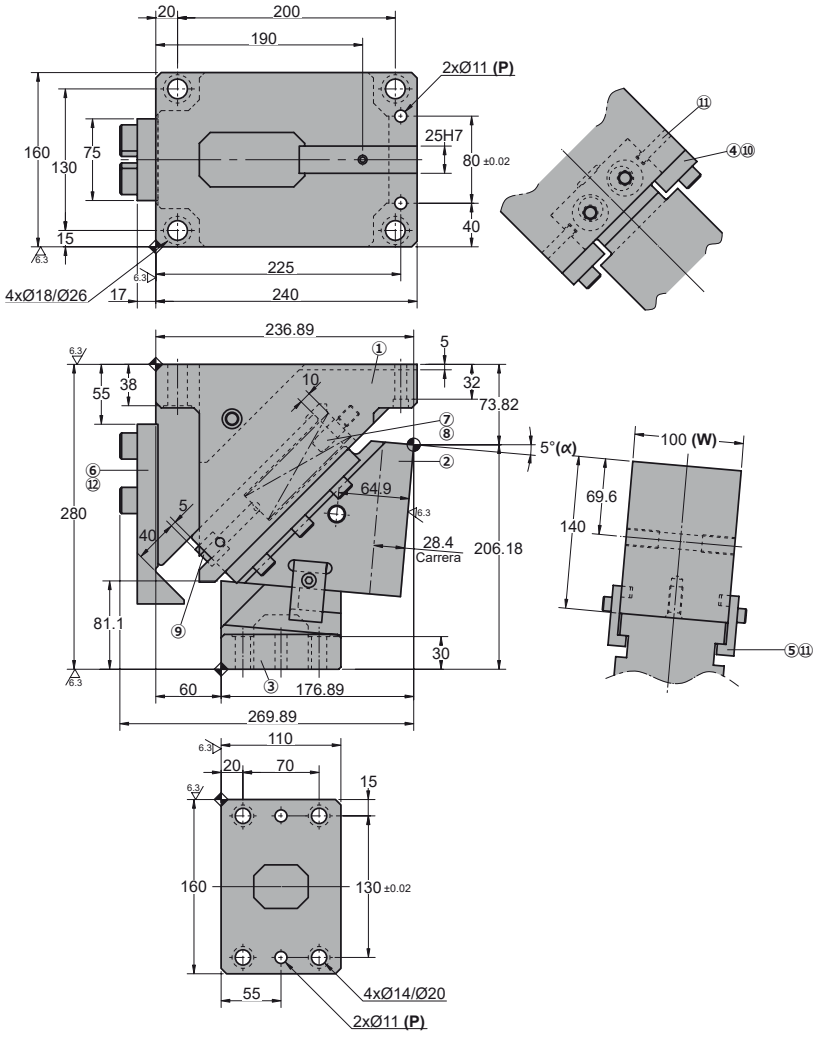
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

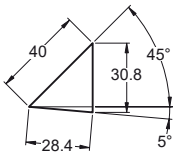
Aerial cam for pierce and flange

AZOL GAS

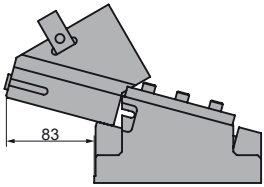
AUKE 0100 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.4	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	47.8	AUKE	0100	05

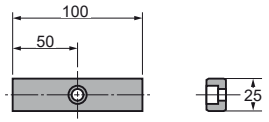
Order: Model (W) (α)

AUKE 0100 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

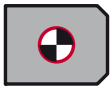
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 05-K

AUKE 0100 05-P13

AUKE 0100 05-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

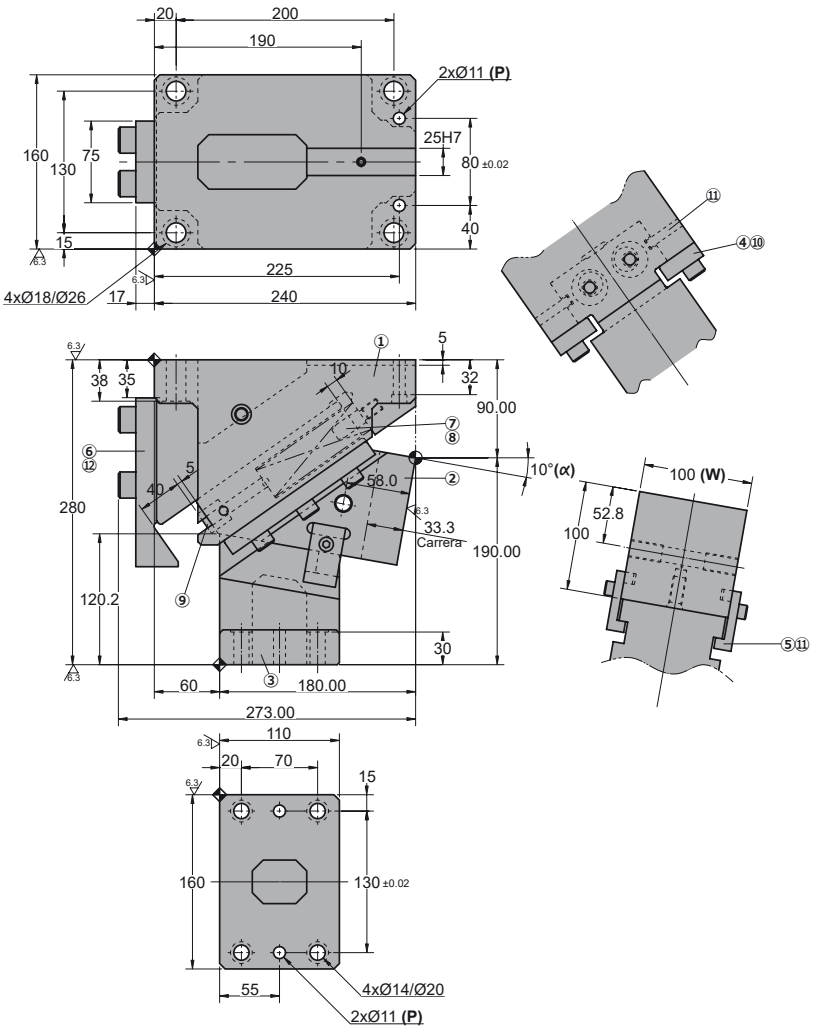
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

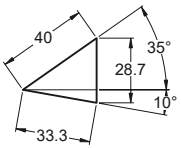
Aerial cam for pierce and flange

AZOL GAS

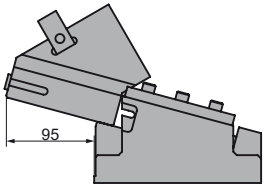
AUKE 0100 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.3	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	44.9	AUKE	0100	10

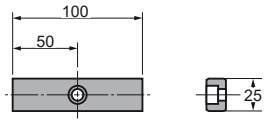
Order: Model (W) (α)

AUKE 0100 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

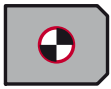
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 10-K

AUKE 0100 10-P13

AUKE 0100 10-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

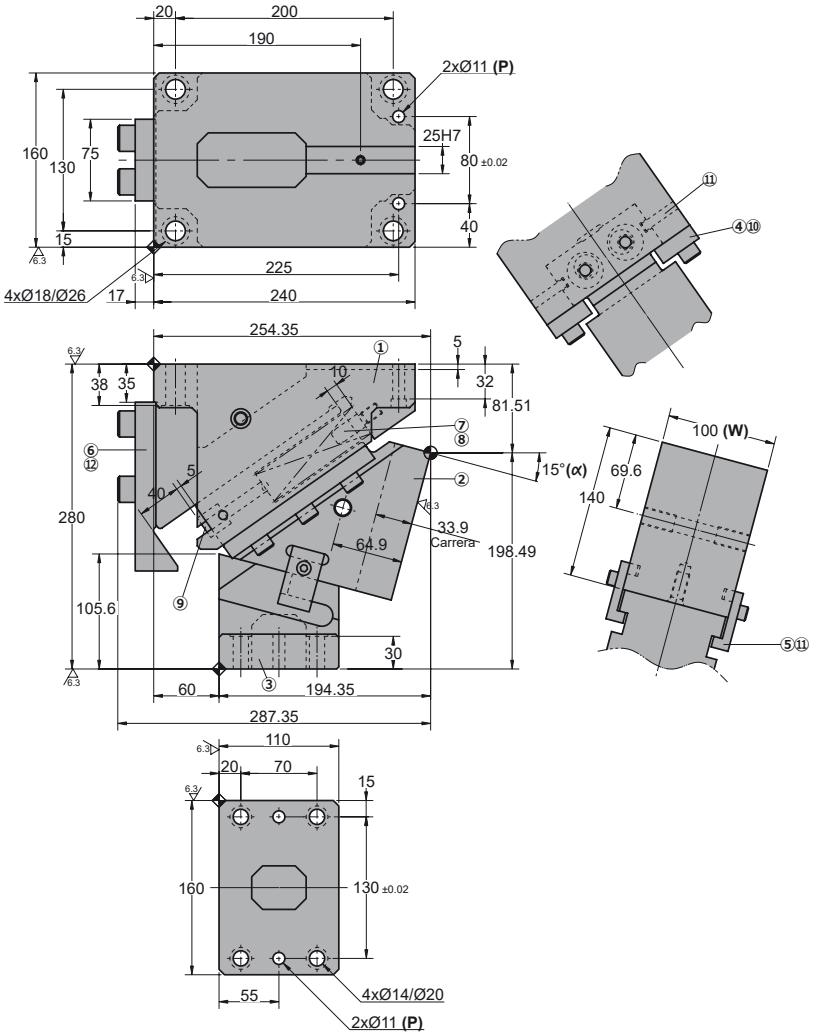
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

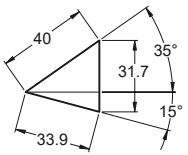
Aerial cam for pierce and flange

AZOL GAS

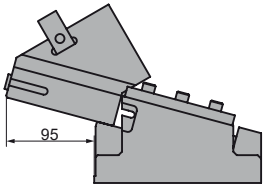
AUKE 0100 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.9	44.1 (4.5)	88.2 (9.0)	146.4 (14.9)	3070.2 (313.3)	47.1	AUKE	0100	15

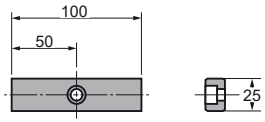
Order: Model (W) (α)

AUKE 0100 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

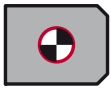
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 15-K

AUKE 0100 15-P13

AUKE 0100 15-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

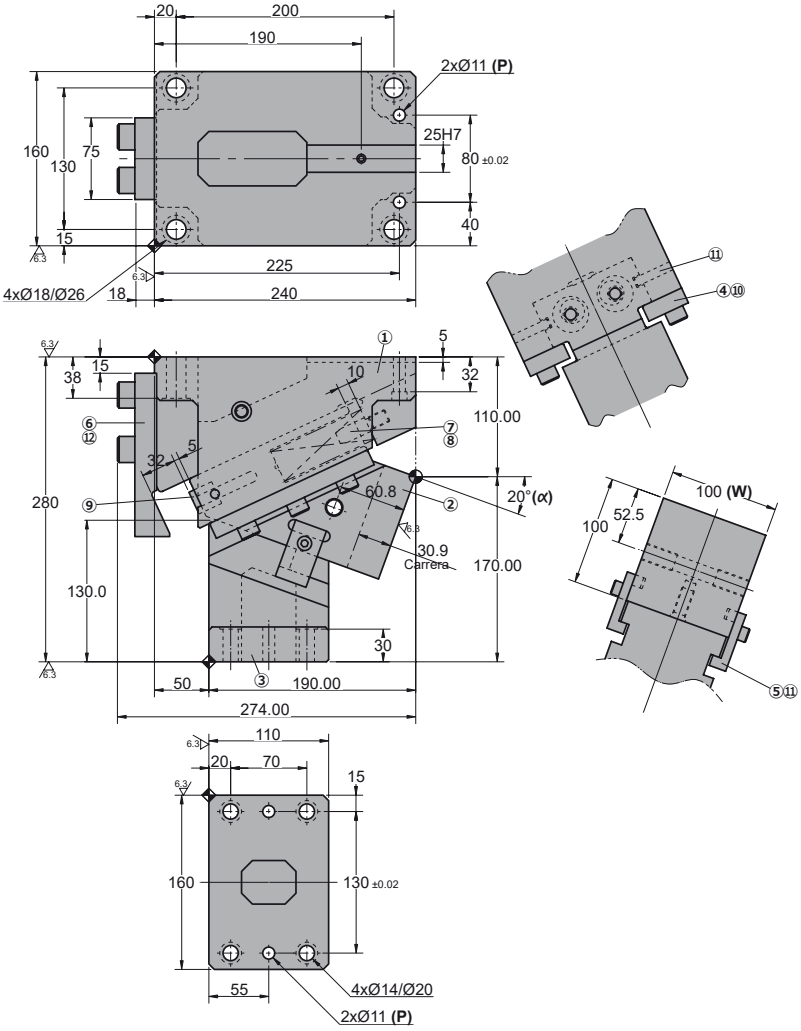
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

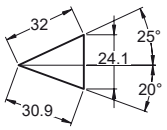
Aerial cam for pierce and flange

AZOL GAS

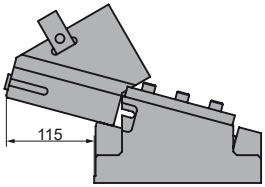
AUKE 0100 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.9	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	44.8	AUKE	0100	20

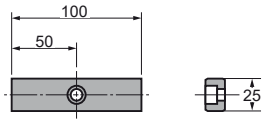
Order: Model (W) (α)

AUKE 0100 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

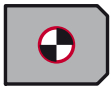
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 20-K

AUKE 0100 20-P13

AUKE 0100 20-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

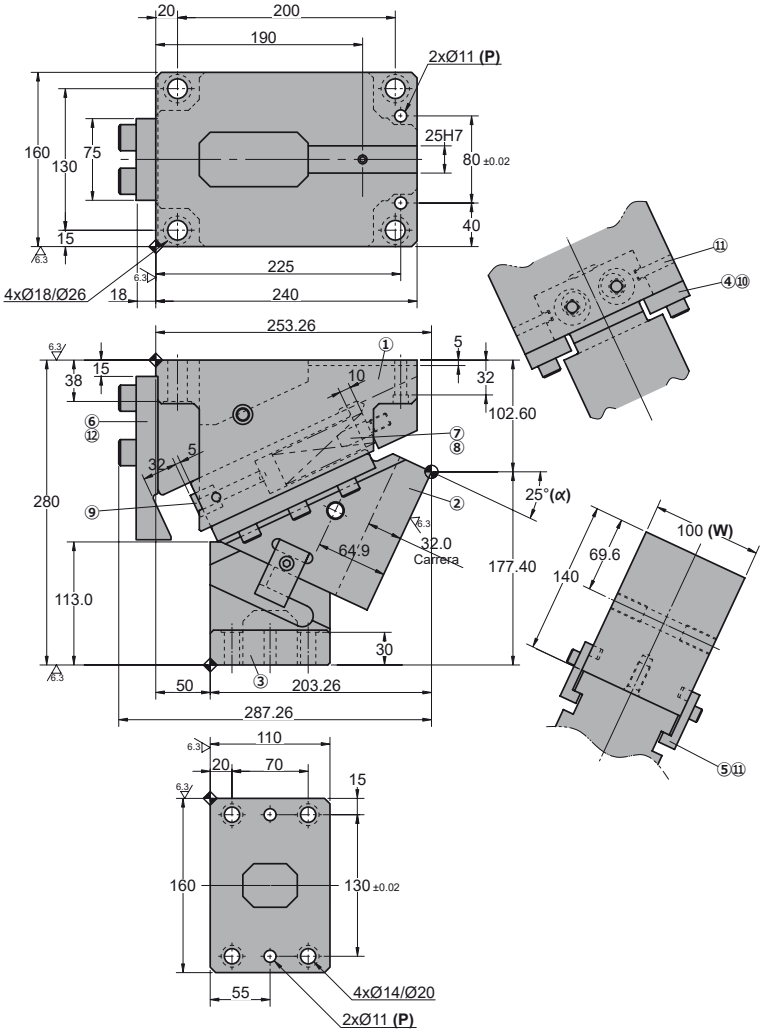
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

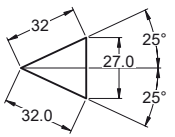
Aerial cam for pierce and flange

AZOL GAS

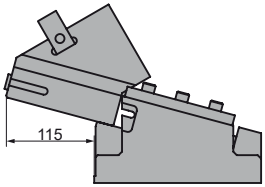
AUKE 0100 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.0	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	46.5	AUKE	0100	25

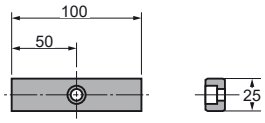
Order: Model (W) (α)

AUKE 0100 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

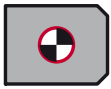
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 25-K

AUKE 0100 25-P13

AUKE 0100 25-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

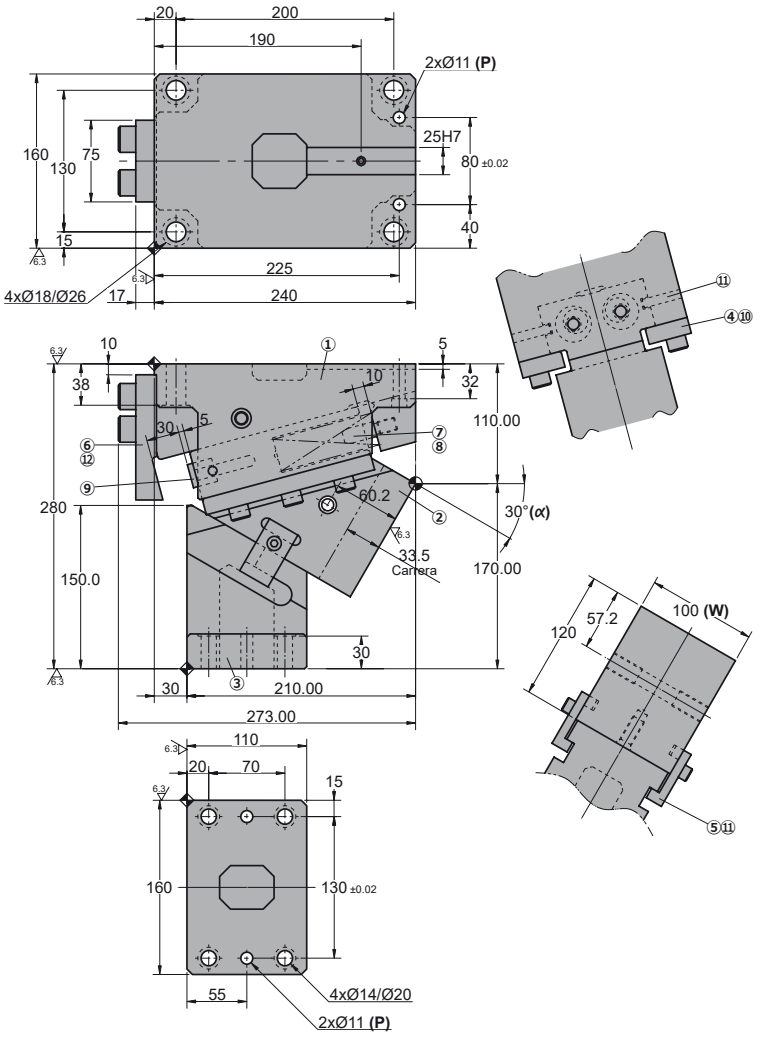
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

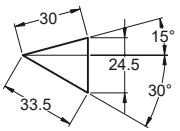
Aerial cam for pierce and flange

AZOL GAS

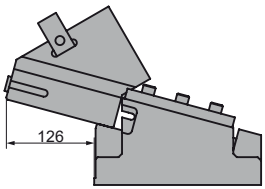
AUKE 0100 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.5	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2982.5 (304.1)	44.1	AUKE	0100	30

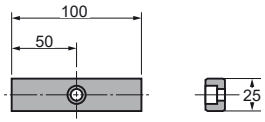
Order: Model (W) (α)

AUKE 0100 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

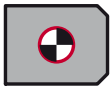
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 30-K

AUKE 0100 30-P13

AUKE 0100 30-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

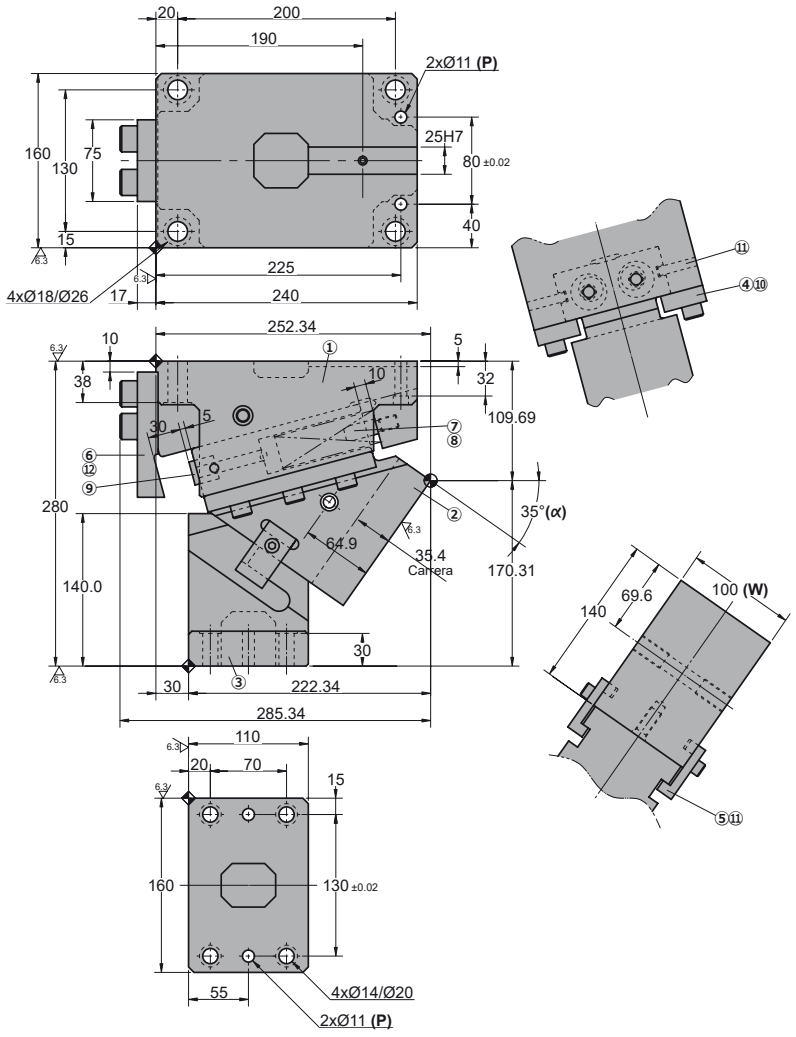
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

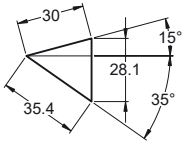
Aerial cam for pierce and flange

AZOL GAS

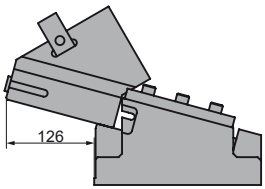
AUKE 0100 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	45.4	AUKE	0100	35

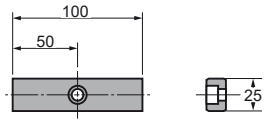
Order: Model (W) (α)

AUKE 0100 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

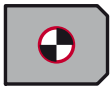
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 35-K

AUKE 0100 35-P13

AUKE 0100 35-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

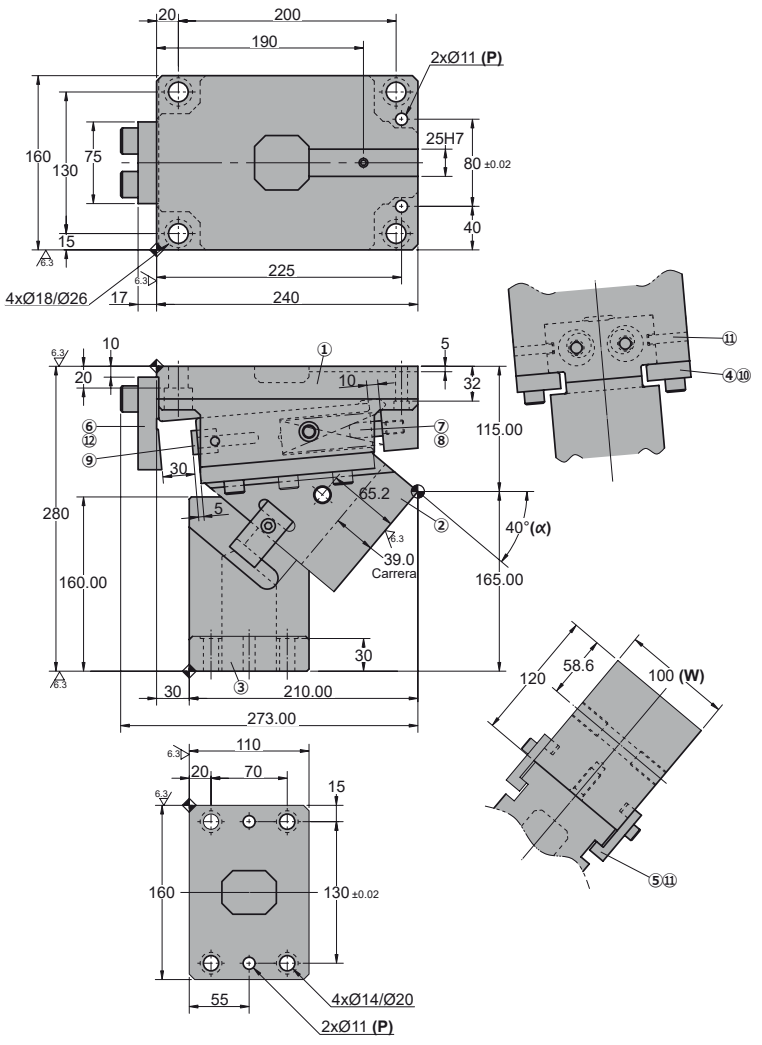
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	4	M16 x 45

AUKE 0100

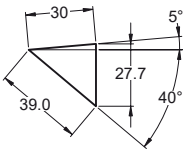
Aerial cam for pierce and flange

AZOL GAS

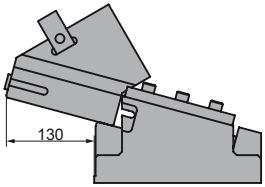
AUKE 0100 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.0	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	45.4	AUKE	0100	40

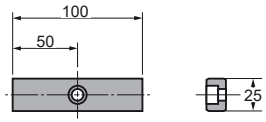
Order: Model (W) (α)

AUKE 0100 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

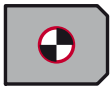
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 40-K

AUKE 0100 40-P13

AUKE 0100 40-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

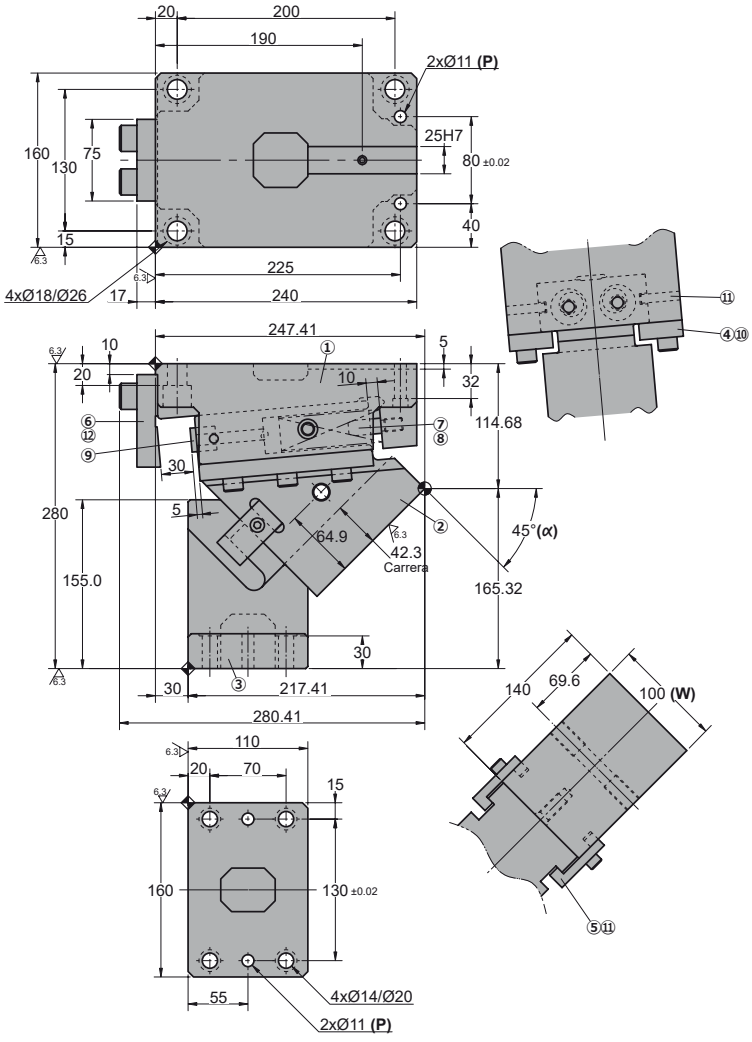
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

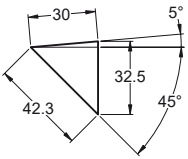
Aerial cam for pierce and flange

AZOL GAS

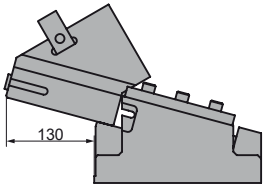
AUKE 0100 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	44.1 (4.5)	88.2 (9.0)	175.2 (17.9)	2807.0 (286.2)	41.7	AUKE	0100	45

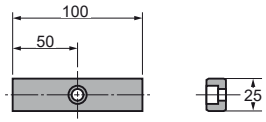
Order: Model (W) (α)

AUKE 0100 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

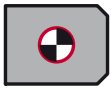
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 45-K

AUKE 0100 45-P13

AUKE 0100 45-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

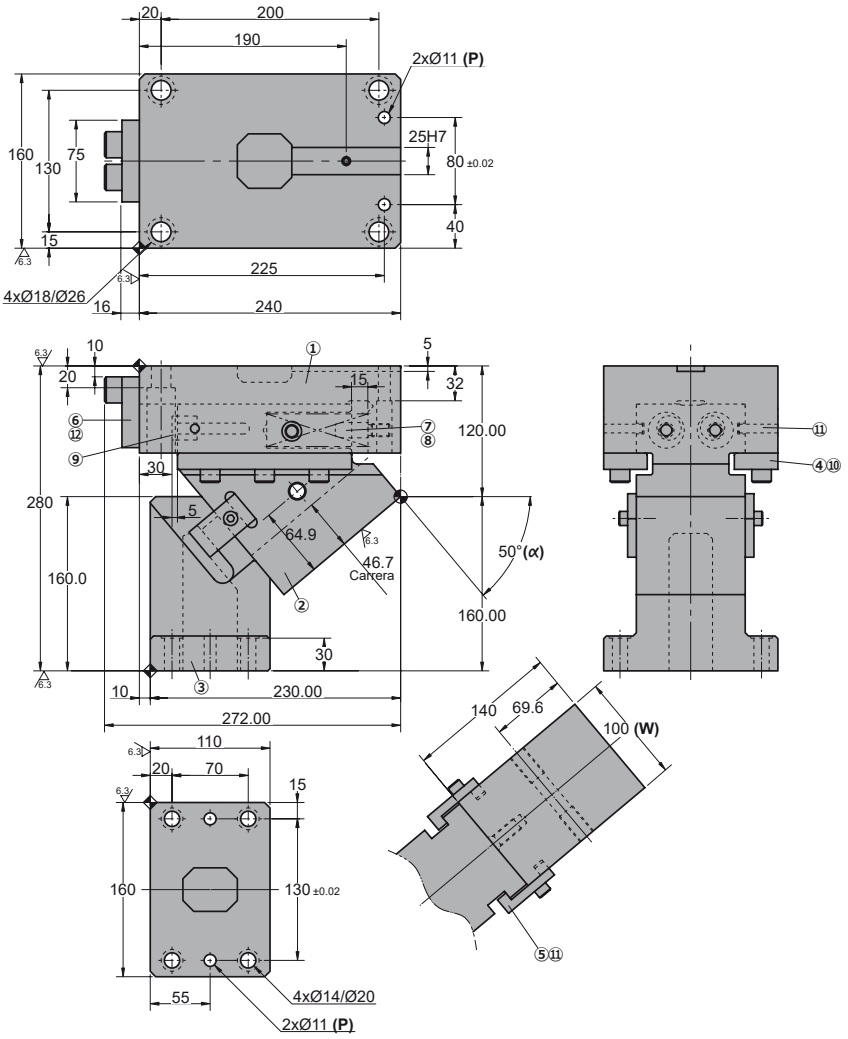
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

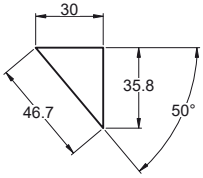
Aerial cam for pierce and flange

AZOL GAS

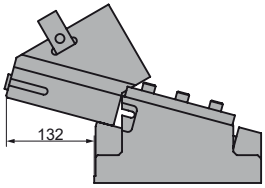
AUKE 0100 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	41.2	AUKE	0100	50

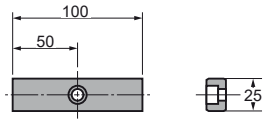
Order: Model (W) (α)

AUKE 0100 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

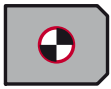
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 50-K

AUKE 0100 50-P13

AUKE 0100 50-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

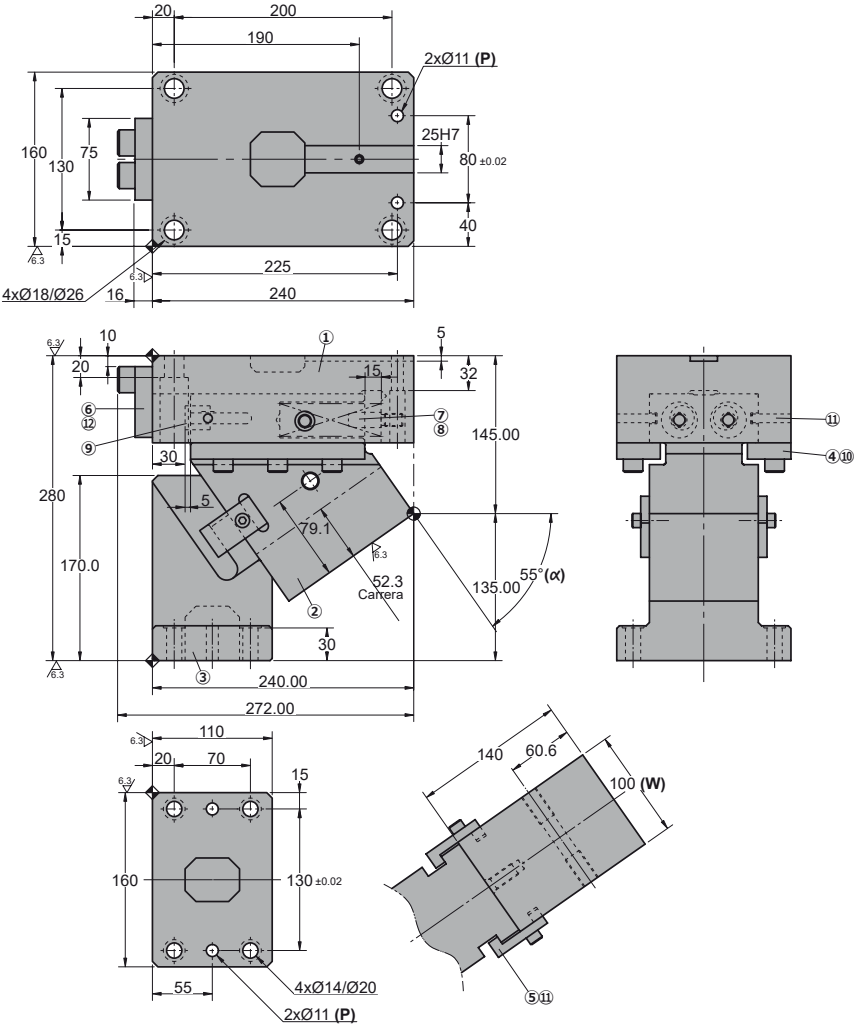
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

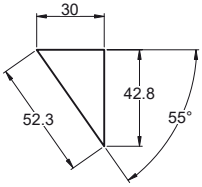
Aerial cam for pierce and flange

AZOL GAS

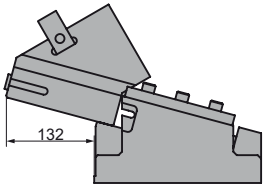
AUKE 0100 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	44.0	AUKE	0100	55

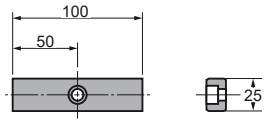
Order: Model (W) (α)

AUKE 0100 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

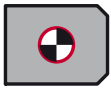
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 55-K

AUKE 0100 55-P13

AUKE 0100 55-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

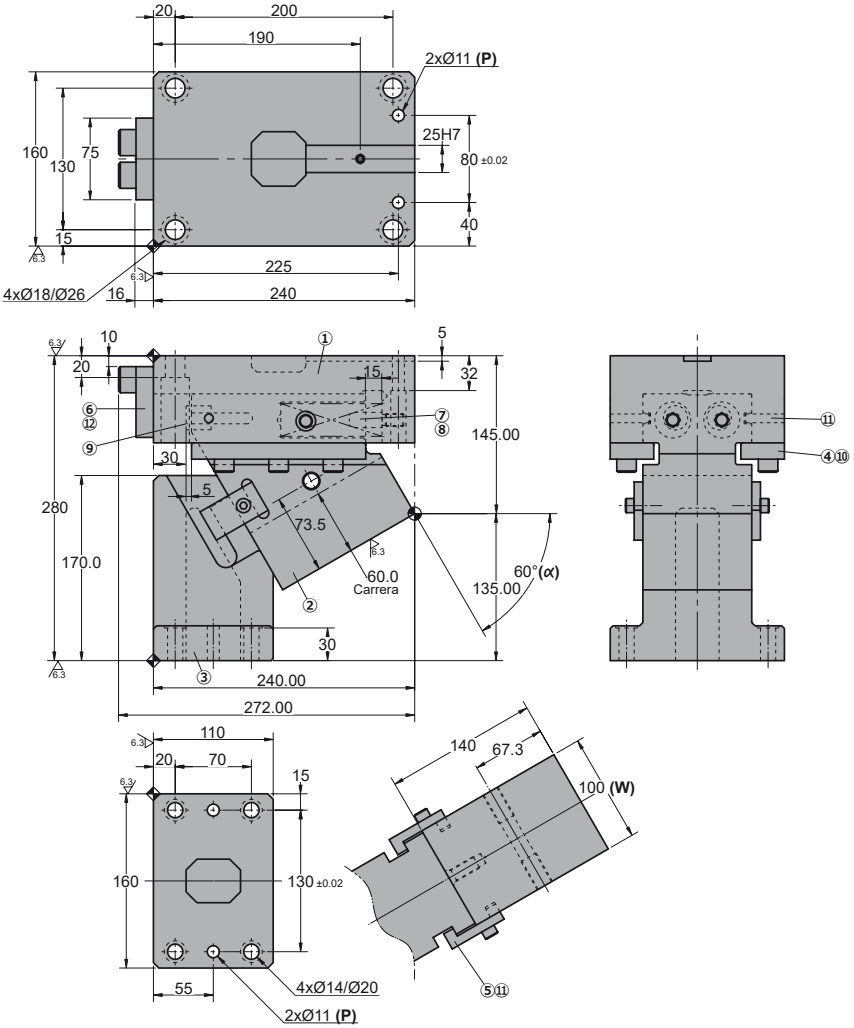
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

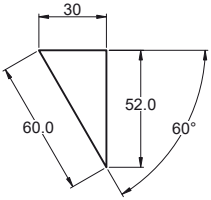
Aerial cam for pierce and flange

AZOL GAS

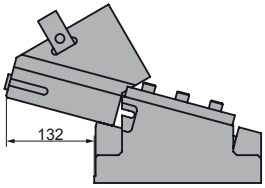
AUKE 0100 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	49.0 (5.0)	98.0 (10.0)	175.2 (17.9)	2807.0 (286.2)	42.5	AUKE	0100	60

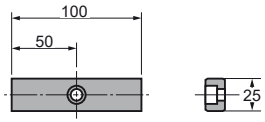
Order: Model (W) (α)

AUKE 0100 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

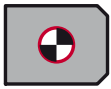
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 60-K

AUKE 0100 60-P13

AUKE 0100 60-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

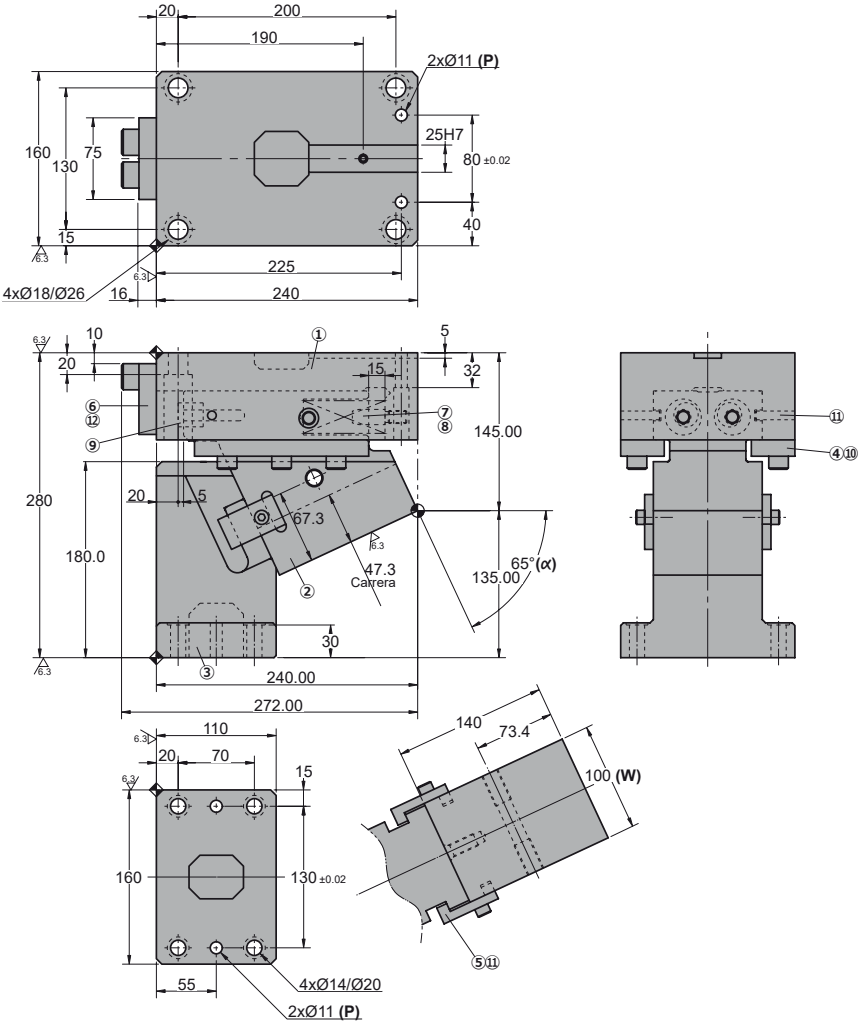
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

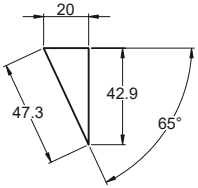
Aerial cam for pierce and flange

AZOL GAS

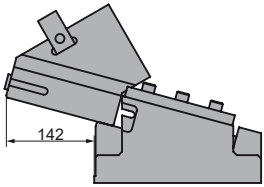
AUKE 0100 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.3	49.0 (5.0)	98.0 (10.0)	548.0 (55.9)	2741.5 (279.6)	43.0	AUKE	0100	65

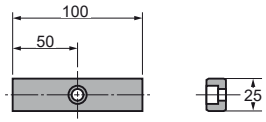
Order: Model (W) (α)

AUKE 0100 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

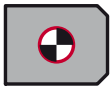
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 65-K

AUKE 0100 65-P13

AUKE 0100 65-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

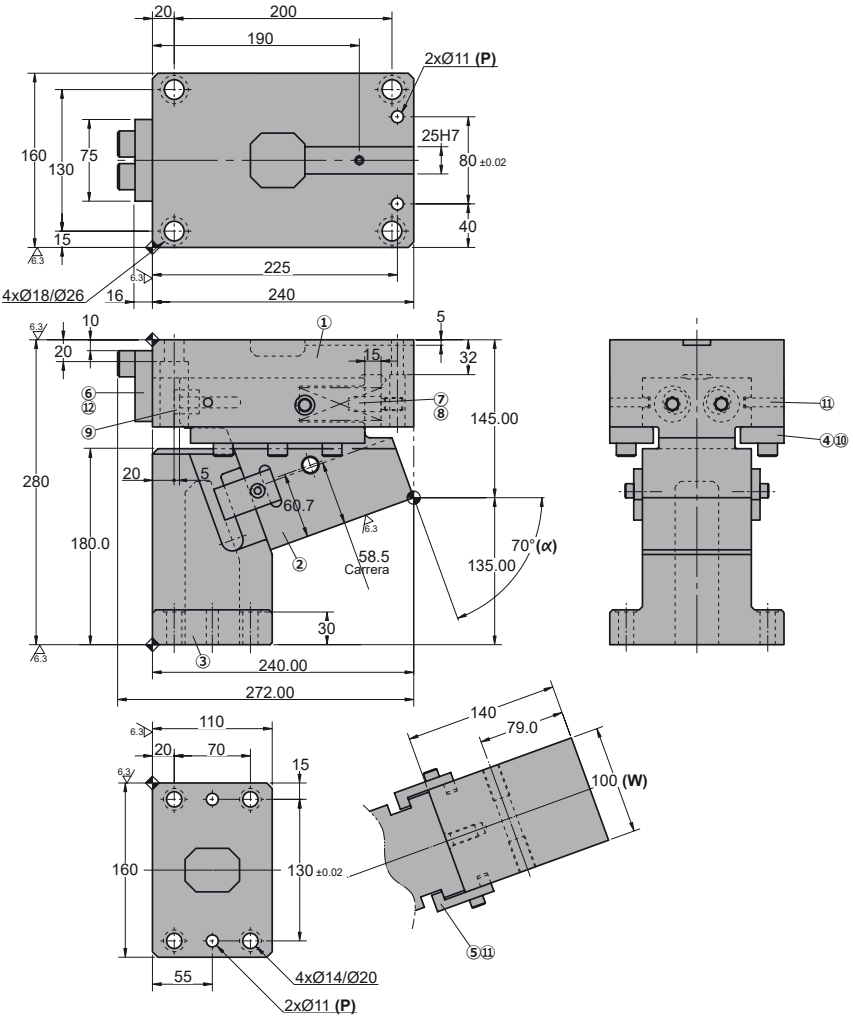
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

AUKE 0100

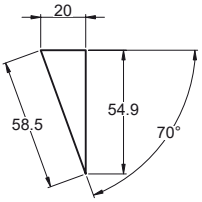
Aerial cam for pierce and flange

AZOL GAS

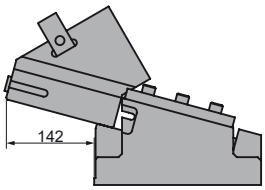
AUKE 0100 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	49.0 (5.0)	98.0 (10.0)	548.0 (55.9)	2741.5 (279.6)	41.8	AUKE	0100	70

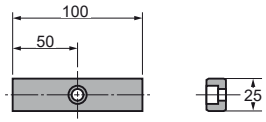
Order: Model (W) (α)

AUKE 0100 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

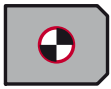
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7



P13 - Ø13 H7.

PH13 - Ø13 H7. **only cam holder**

PD13 - Ø13 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0100 70-K

AUKE 0100 70-P13

AUKE 0100 70-P13-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	4	M8 x 25
⑫	Screw	2	M16 x 45

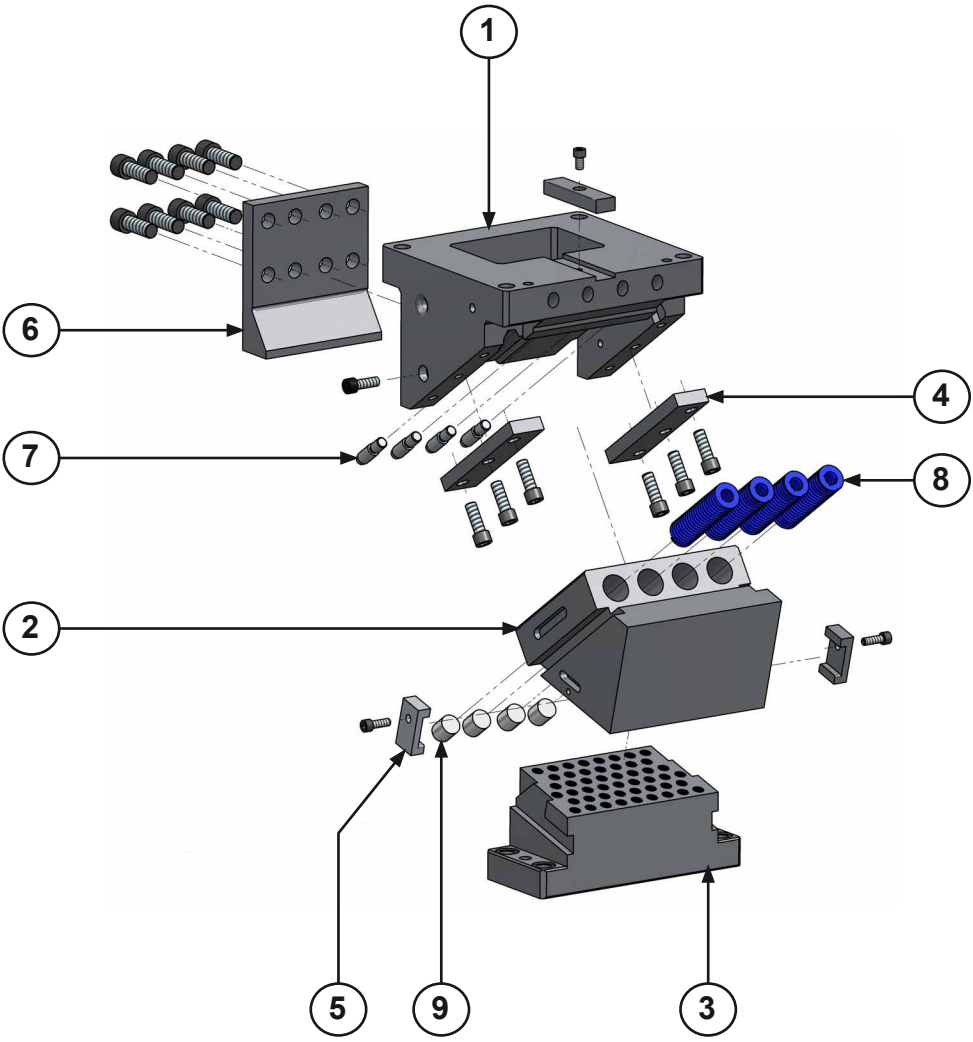
AUKE 0100

Aerial cam for pierce and flange

AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

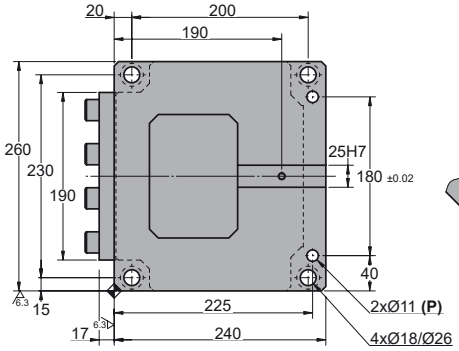


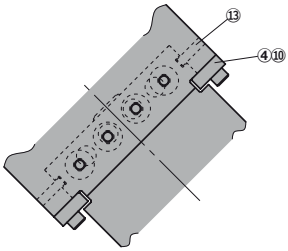
AUKE 0200

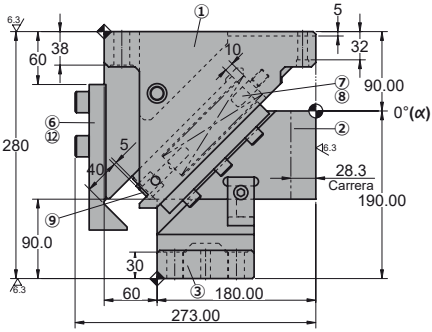
Aerial cam for pierce and flange

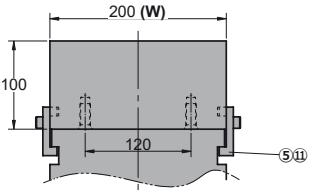
AZOL GAS

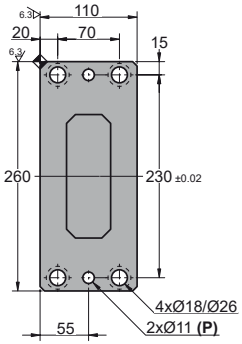
AUKE 0200 00



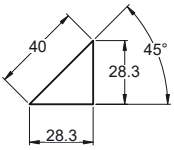




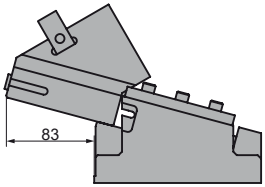




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.3	98.1 (10.0)	196.2 (20.0)	626.0 (63.8)	5639.4 (575.1)	81.5	AUKE	0200	00

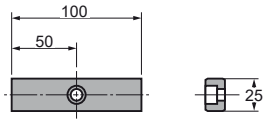
Order: Model (W) (α)

AUKE 0200 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

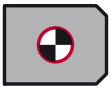
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 00-K

AUKE 0200 00-P16

AUKE 0200 00-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

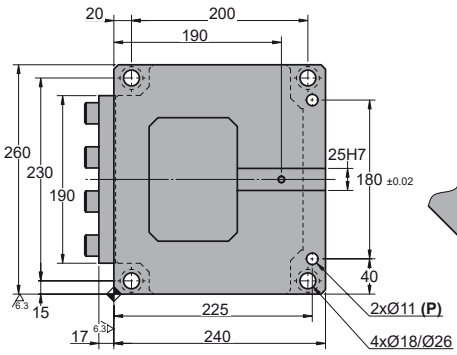
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

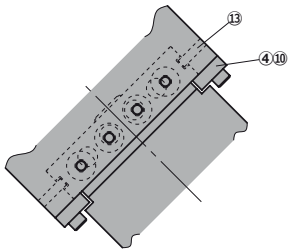
AUKE 0200

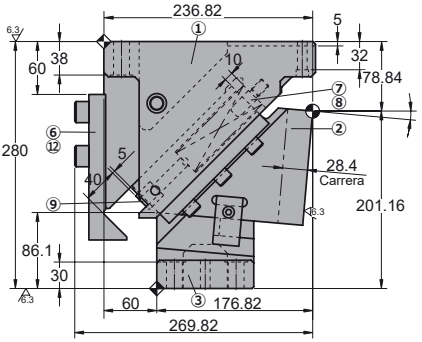
Aerial cam for pierce and flange

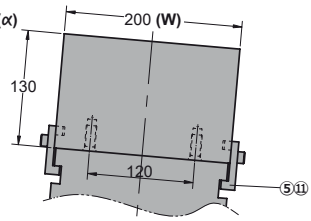
AZOL GAS

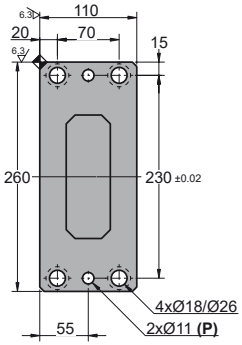
AUKE 0200 05



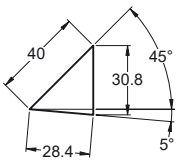




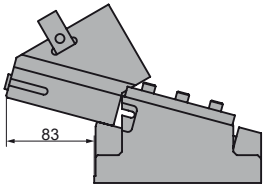




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.4	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	82.3	AUKE	0200	05

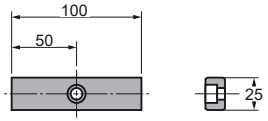
Order: Model (W) (α)

AUKE 0200 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

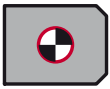
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 05-K

AUKE 0200 05-P16

AUKE 0200 05-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

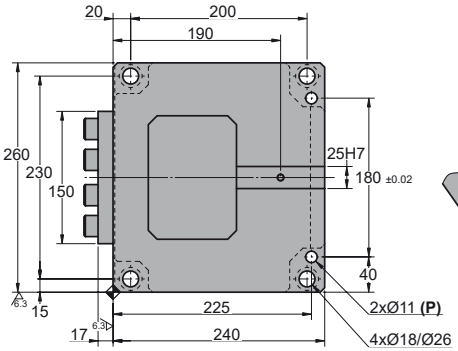
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

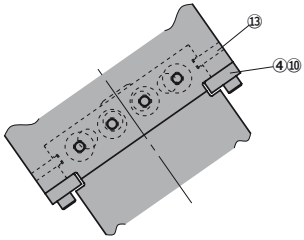
AUKE 0200

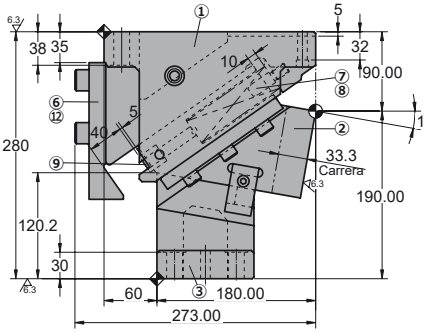
Aerial cam for pierce and flange

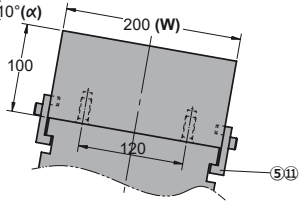
AZOL GAS

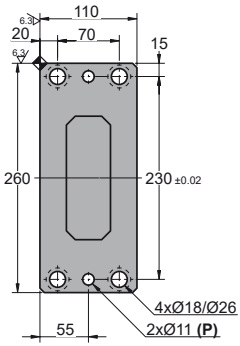
AUKE 0200 10



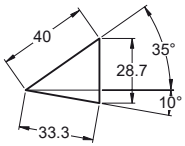




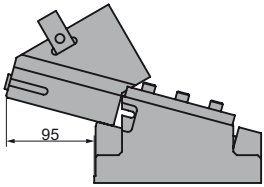




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.3	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	75.7	AUKE	0200	10

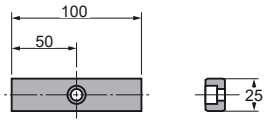
Order: Model (W) (α)

AUKE 0200 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

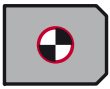
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 10-K

AUKE 0200 10-P16

AUKE 0200 10-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

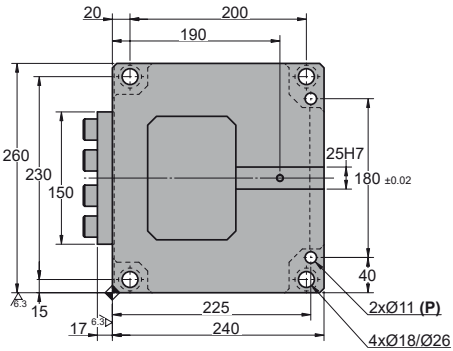
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

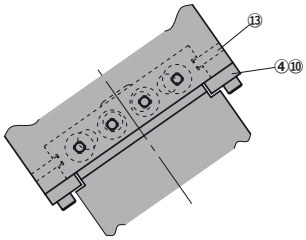
AUKE 0200

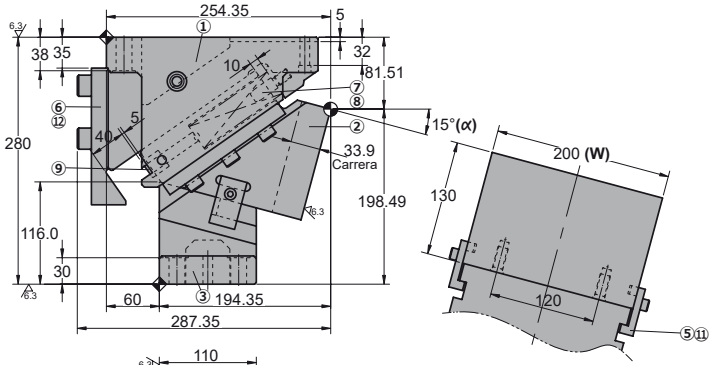
Aerial cam for pierce and flange

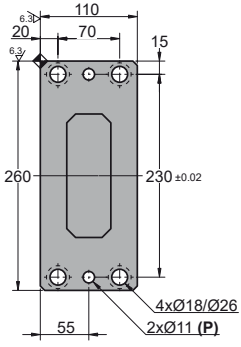
AZOL GAS

AUKE 0200 15

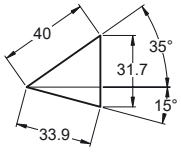




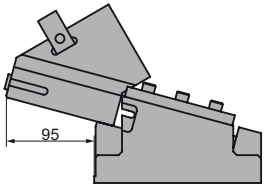




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.9	98.1 (10.0)	196.2 (20.0)	292.8 (29.8)	6140.4 (621.1)	80.5	AUKE	0200	15

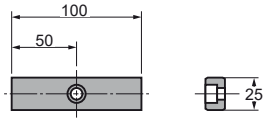
Order: Model (W) (α)

AUKE 0200 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

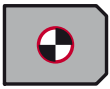
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 15-K

AUKE 0200 15-P16

AUKE 0200 15-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

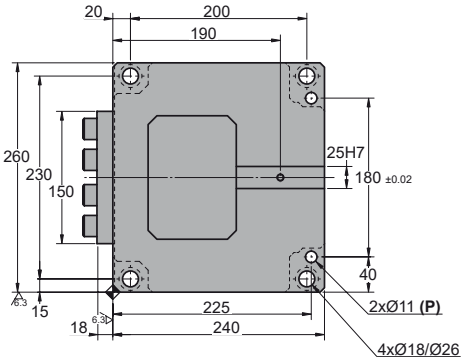
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

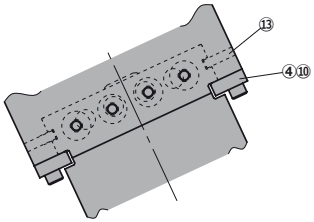
AUKE 0200

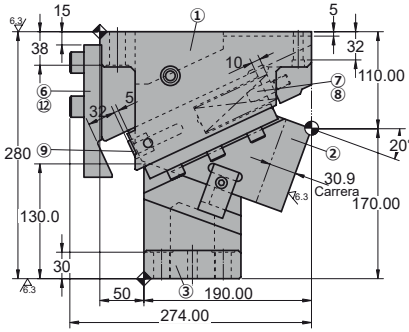
Aerial cam for pierce and flange

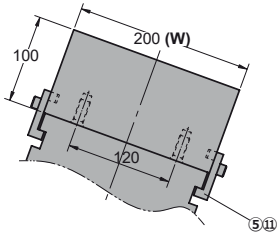
AZOL GAS

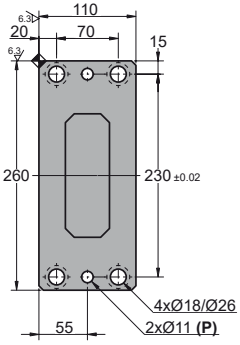
AUKE 0200 20



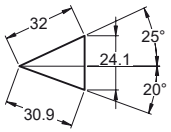




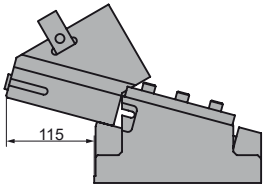




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.9	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5965.0 (608.3)	76.1	AUKE	0200	20

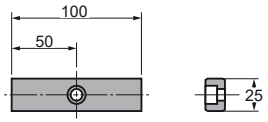
Order: Model (W) (α)

AUKE 0200 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

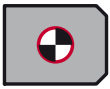
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 20-K

AUKE 0200 20-P16

AUKE 0200 20-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

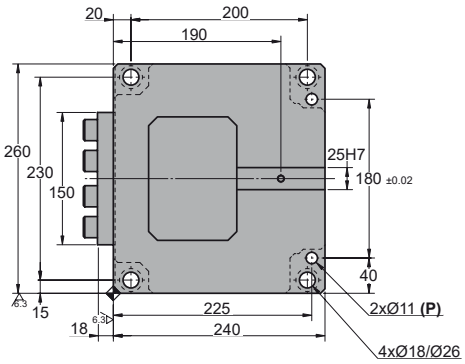
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

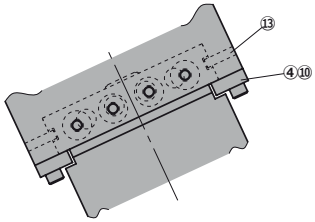
AUKE 0200

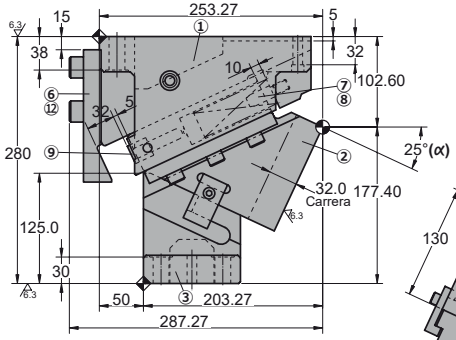
Aerial cam for pierce and flange

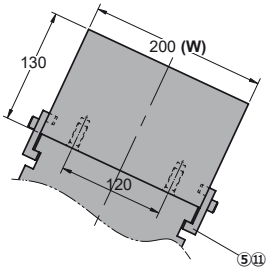
AZOL GAS

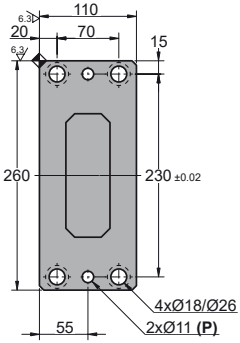
AUKE 0200 25



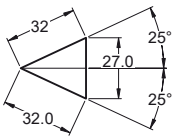




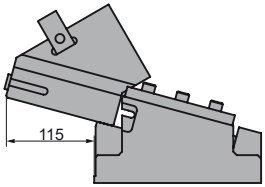




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.0	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5965.0 (608.3)	80.1	AUKE	0200	25

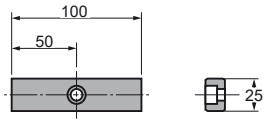
Order: Model (W) (α)

AUKE 0200 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

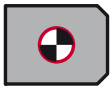
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 25-K

AUKE 0200 25-P16

AUKE 0200 25-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

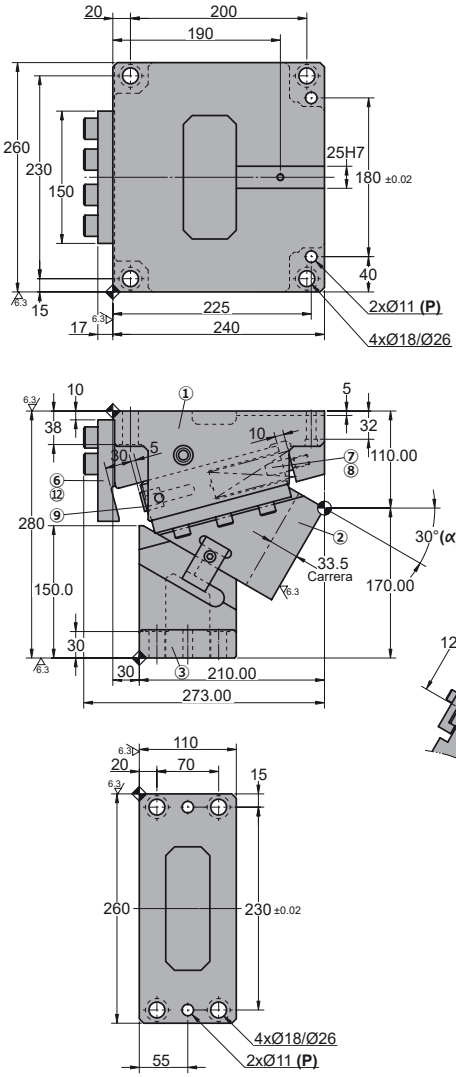
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

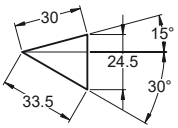
Aerial cam for pierce and flange

AZOL GAS

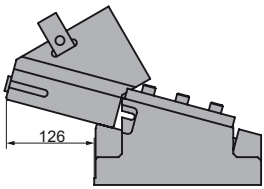
AUKE 0200 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.5	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	77.0	AUKE	0200	30

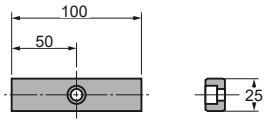
Order: Model (W) (α)

AUKE 0200 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

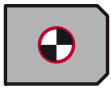
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 30-K

AUKE 0200 30-P16

AUKE 0200 30-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

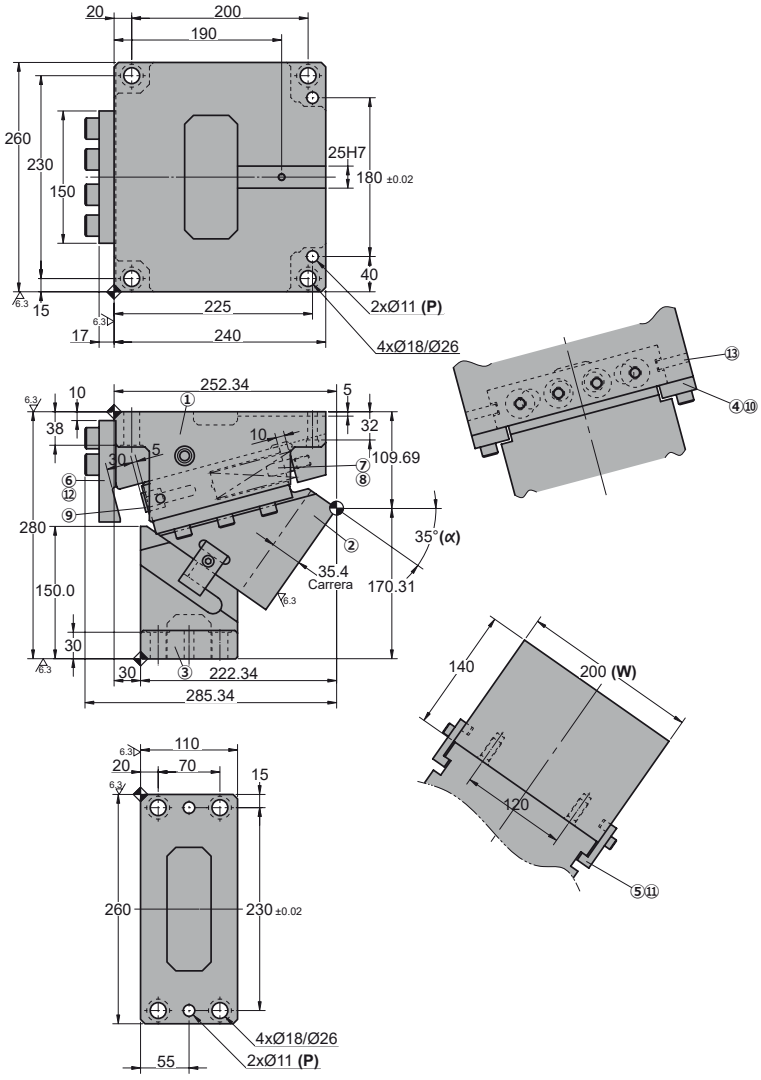
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

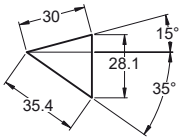
Aerial cam for pierce and flange

AZOL GAS

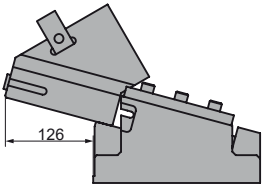
AUKE 0200 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	80.9	AUKE	0200	35

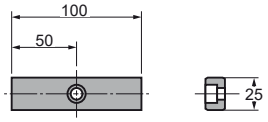
Order: Model (W) (α)

AUKE 0200 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

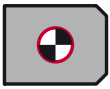
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 35-K

AUKE 0200 35-P16

AUKE 0200 35-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

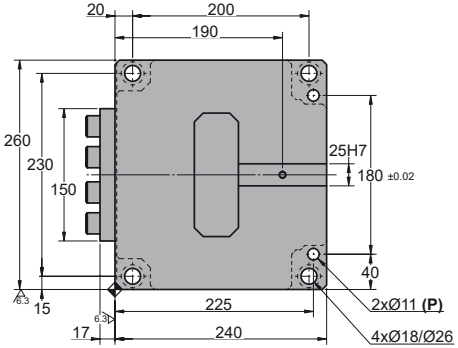
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	8	M16 x 45
⑬	Screw	2	M10 x 25

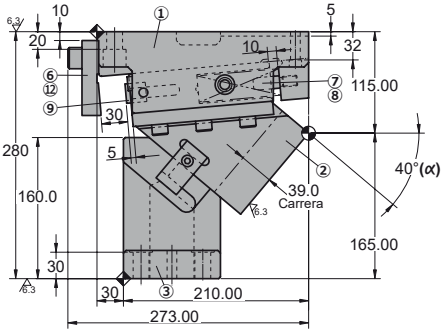
AUKE 0200

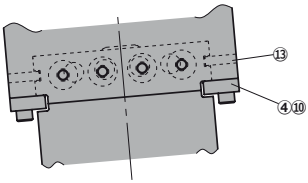
Aerial cam for pierce and flange

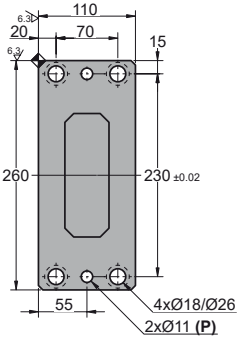
AZOL GAS

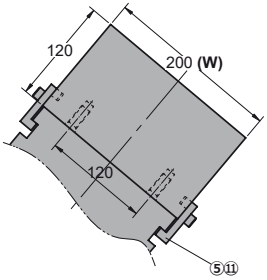
AUKE 0200 40



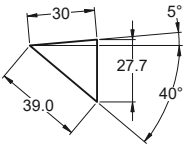




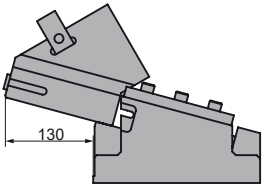




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.0	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	71.4	AUKE	0200	40

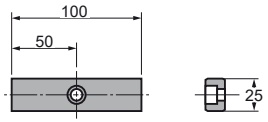
Order: Model (W) (α)

AUKE 0200 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

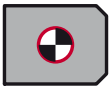
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 40-K

AUKE 0200 40-P16

AUKE 0200 40-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

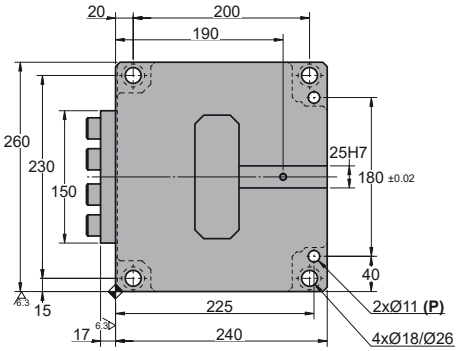
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

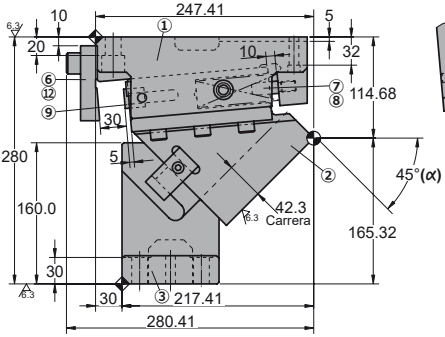
AUKE 0200

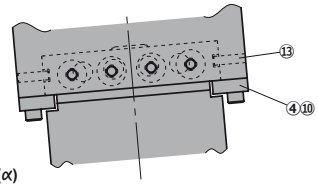
Aerial cam for pierce and flange

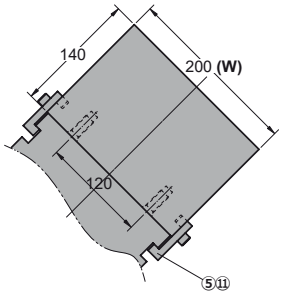
AZOL GAS

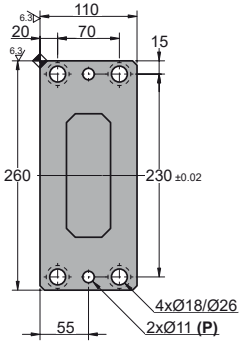
AUKE 0200 45



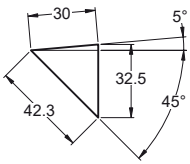




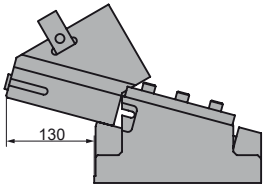




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	98.1 (10.0)	196.2 (20.0)	350.4 (35.8)	5614.1 (572.5)	74.7	AUKE	0200	45

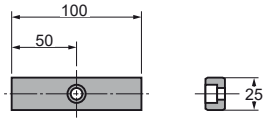
Order: Model (W) (α)

AUKE 0200 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

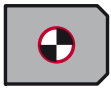
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 45-K

AUKE 0200 45-P16

AUKE 0200 45-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

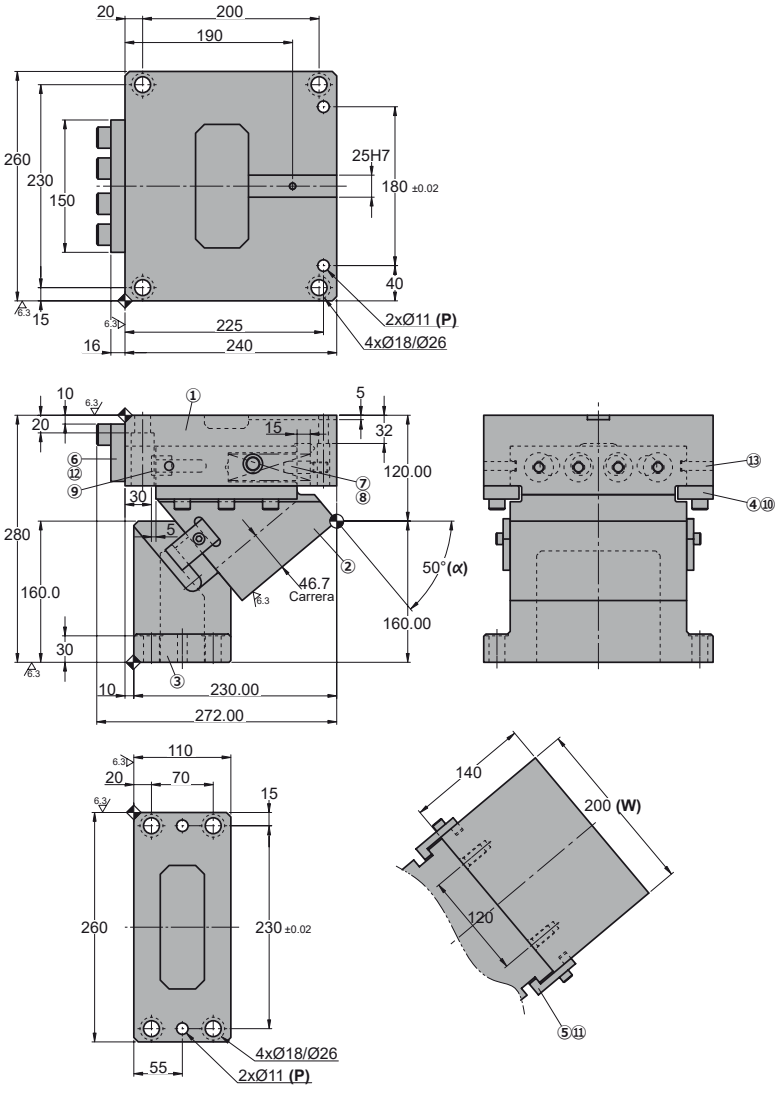
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

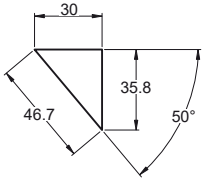
Aerial cam for pierce and flange

AZOL GAS

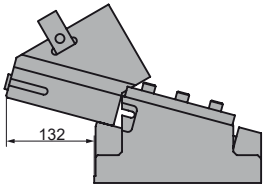
AUKE 0200 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	71.6	AUKE	0200	50

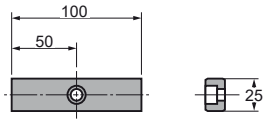
Order: Model (W) (α)

AUKE 0200 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

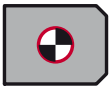
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 50-K

AUKE 0200 50-P16

AUKE 0200 50-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

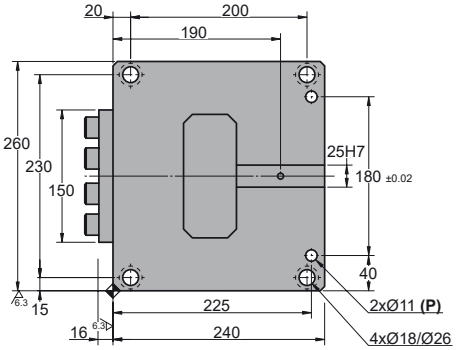
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

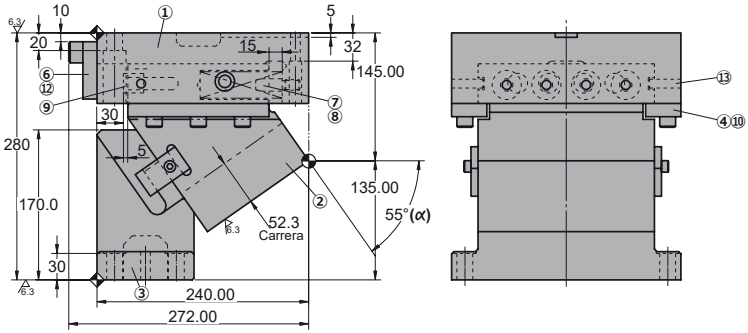
AUKE 0200

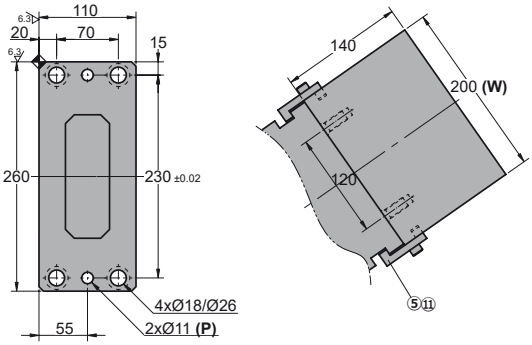
Aerial cam for pierce and flange

AZOL GAS

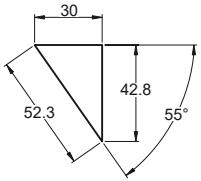
AUKE 0200 55



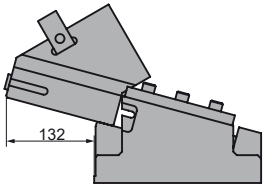




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	78.6	AUKE	0200	55

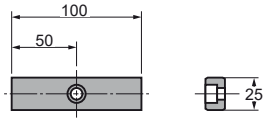
Order: Model (W) (α)

AUKE 0200 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

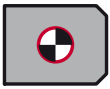
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 55-K

AUKE 0200 55-P16

AUKE 0200 55-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

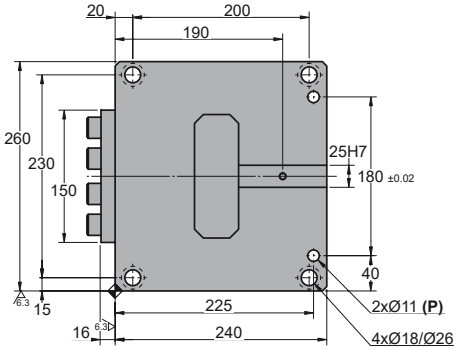
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

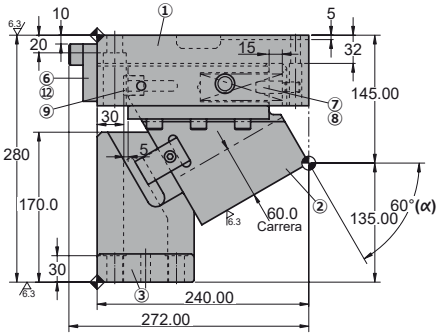
AUKE 0200

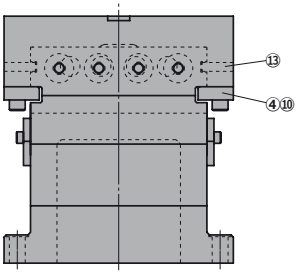
Aerial cam for pierce and flange

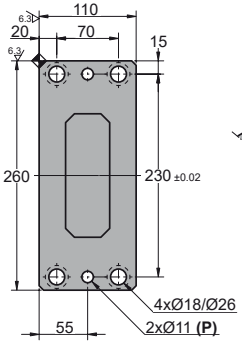
AZOL GAS

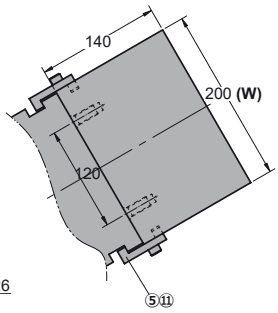
AUKE 0200 60



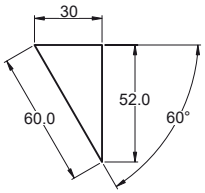




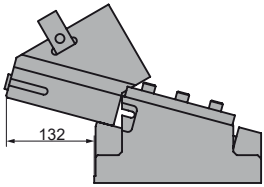




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.7 (12.0)	235.4 (24.0)	350.4 (35.8)	5614.1 (572.5)	73.9	AUKE	0200	60

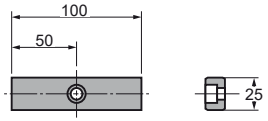
Order: Model (W) (α)

AUKE 0200 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

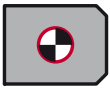
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 60-K

AUKE 0200 60-P16

AUKE 0200 60-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

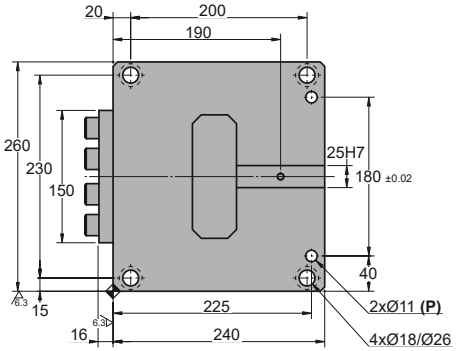
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

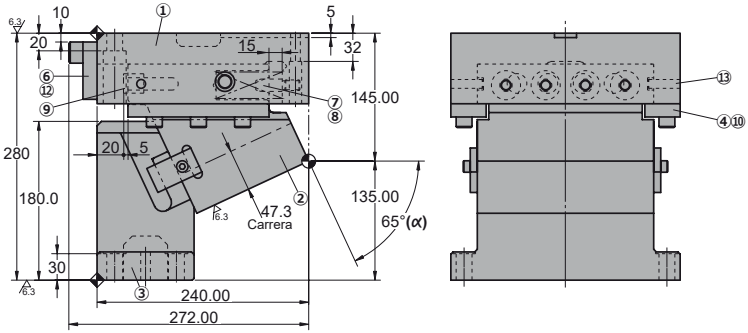
AUKE 0200

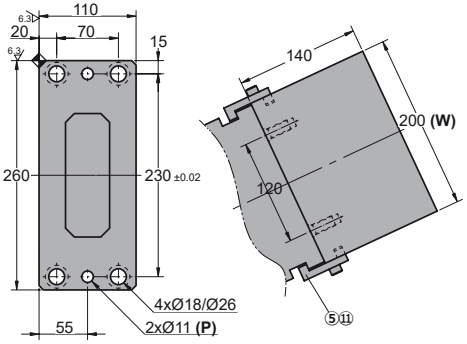
Aerial cam for pierce and flange

AZOL GAS

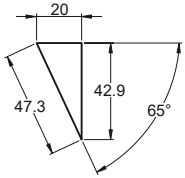
AUKE 0200 65



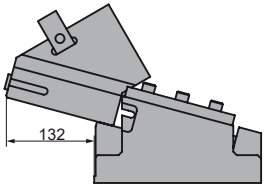




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.3	117.7 (12.0)	235.4 (24.0)	1096.0 (111.8)	5483.0 (559.1)	77.2	AUKE	0200	65

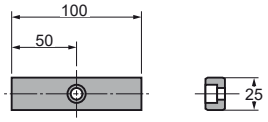
Order: Model (W) (α)

AUKE 0200 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

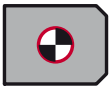
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 65-K

AUKE 0200 65-P16

AUKE 0200 65-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

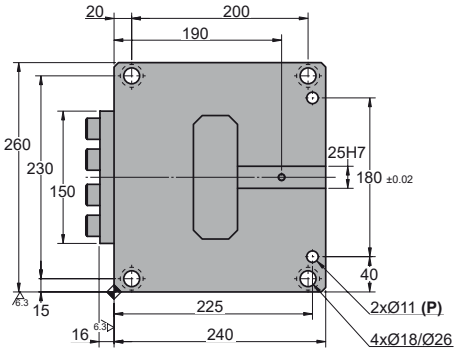
No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

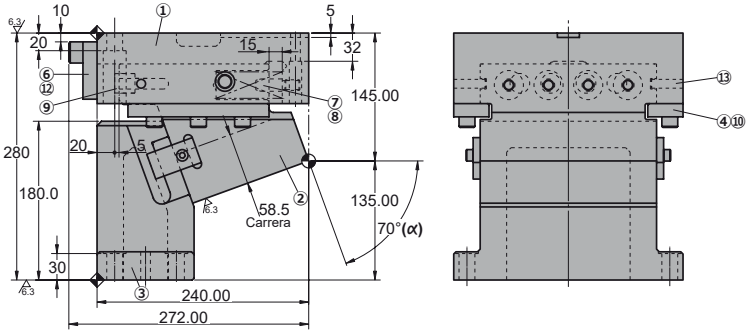
AUKE 0200

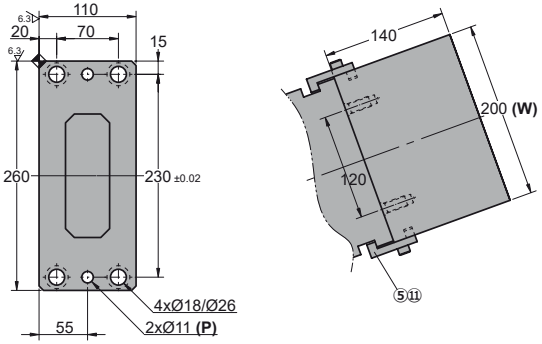
Aerial cam for pierce and flange

AZOL GAS

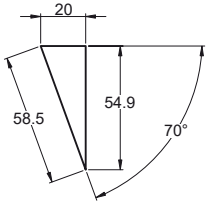
AUKE 0200 70



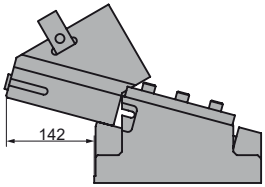




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AUKE 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	117.7 (12.0)	235.4 (24.0)	1096.0 (111.8)	5483.0 (559.1)	72.2	AUKE	0200	70

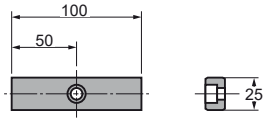
Order: Model (W) (α)

AUKE 0200 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

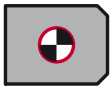
K KEY



1 x M8x15

P PINS

Opcional diameters
Ø12H7 - Ø13H7 - Ø16H7



P16 - Ø16 H7.

PH16 - Ø16 H7. **only cam holder**

PD16 - Ø16 H7. **only cam driver**

Order Options: Model (W) (α)-Option

AUKE 0200 70-K

AUKE 0200 70-P16

AUKE 0200 70-P16-K

SPARE PARTS:
⑧ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Screw	6	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	4	M16 x 45
⑬	Screw	2	M10 x 25

AUKE 0200

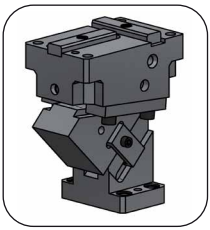
Aerial cam for pierce and flange

AZOL GAS

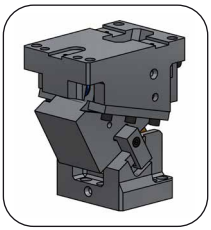
ABKL

Aerial cam for pierce and flange

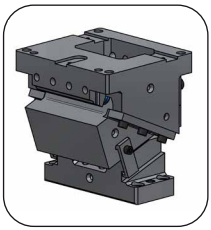
General information



ABKL 0065



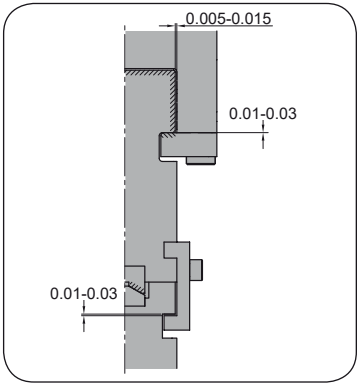
ABKL 0100



ABKL 0200

- Aerial cam.
- Angles from 0° to 70° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

Adjustment clearances

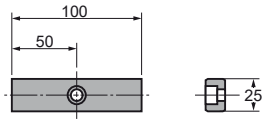


ABKL 0065
ABKL 0100
ABKL 0200

Keys

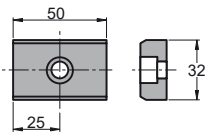
K

ABKL 0065



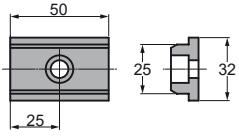
K

ABKL 0100 / 0200



KU

ABKL 0100 / 0200



ABKL

Aerial cam for pierce and flange

AZOL GAS

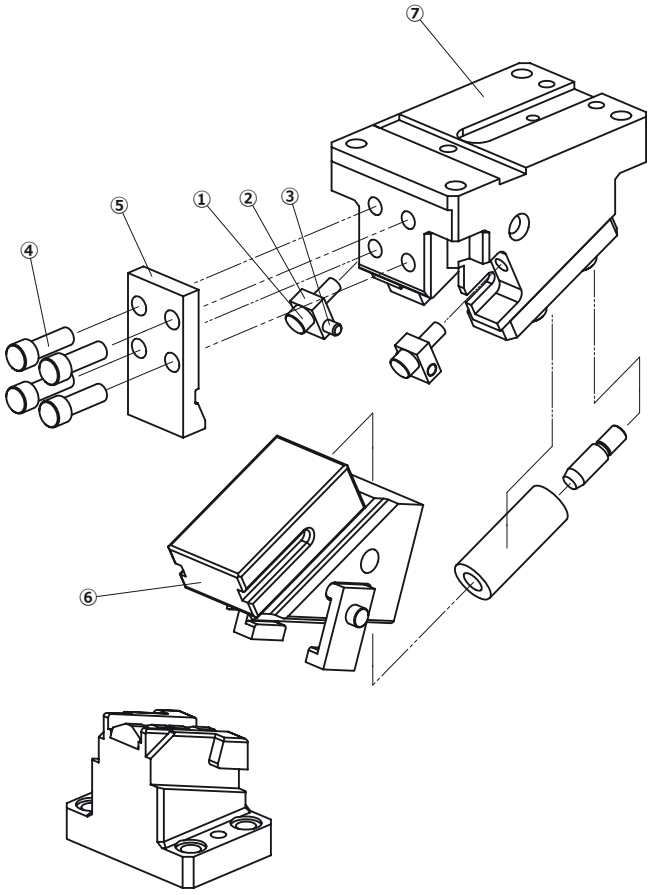
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove stopper plates ② and the pin ③.
- Unscrew ④ and remove plate ⑤.
- Push cam slider ⑥ and remove cam support ⑦.

Assembling process

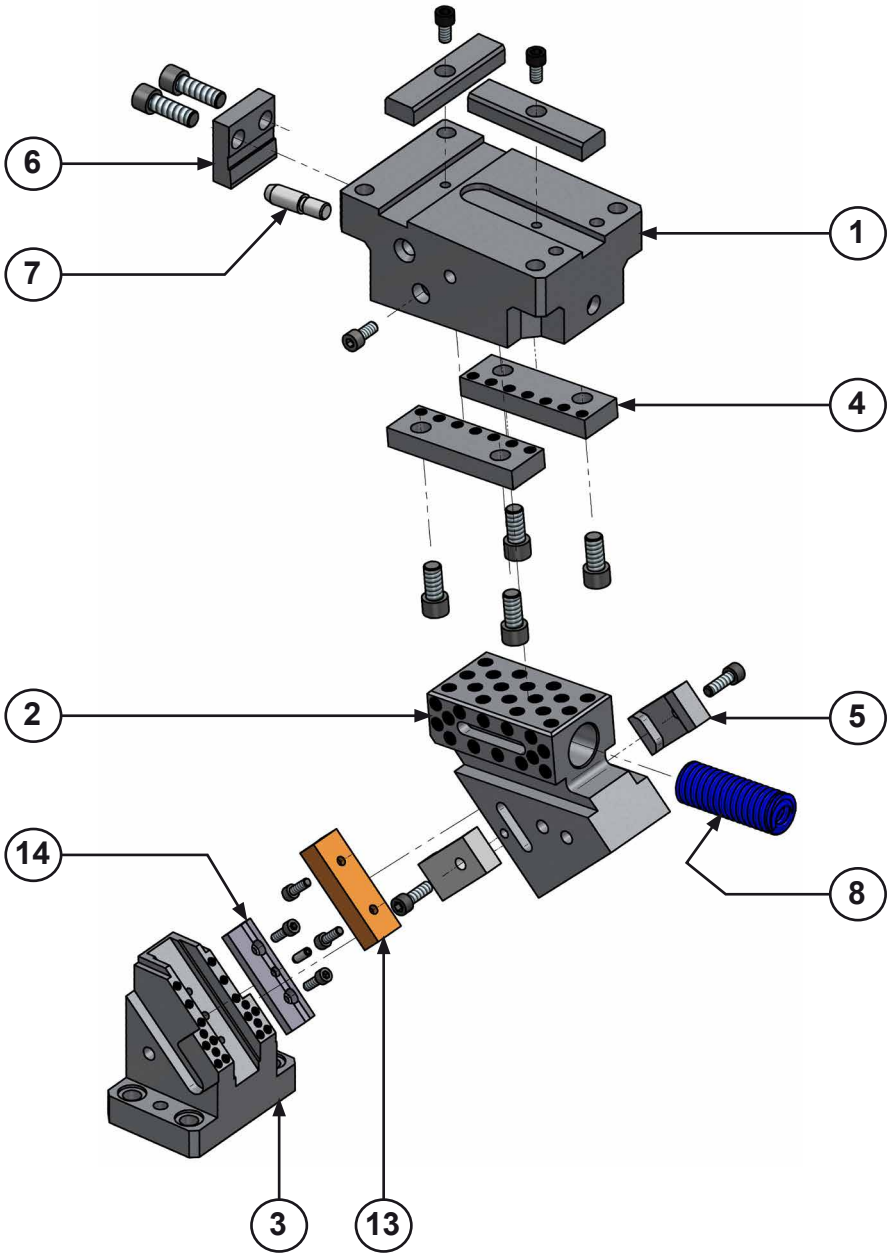
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

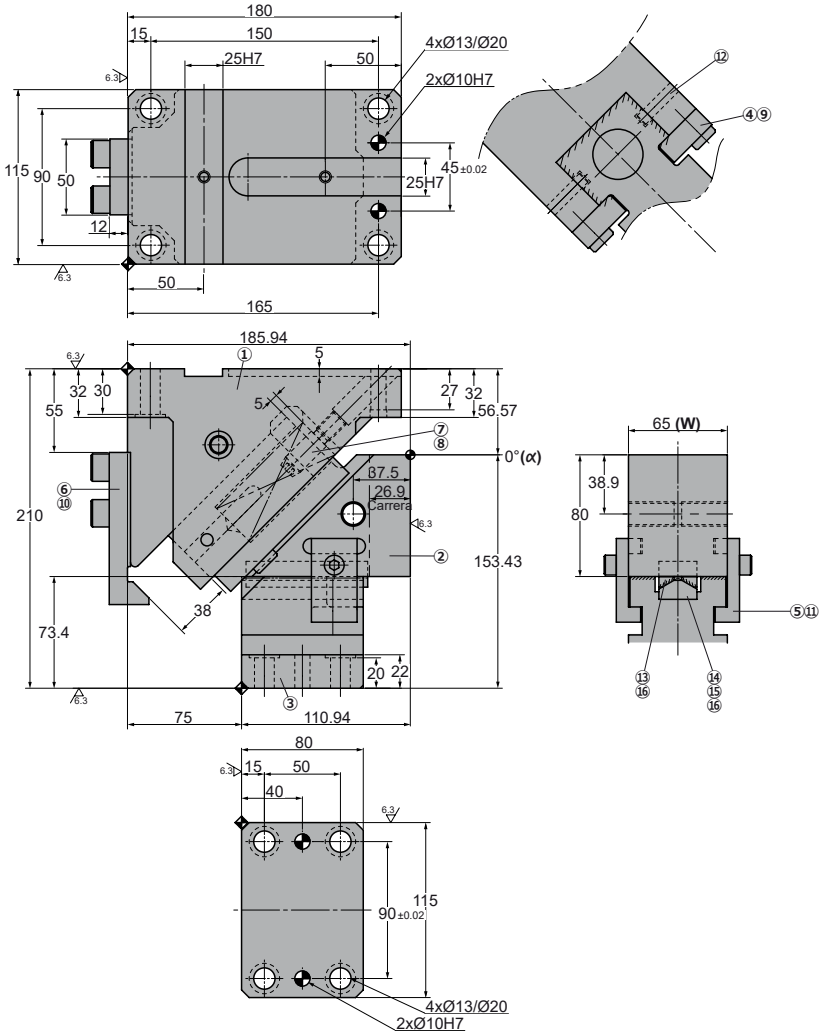


ABKL 0065

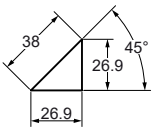
Aerial cam for pierce and flange

AZOL GAS

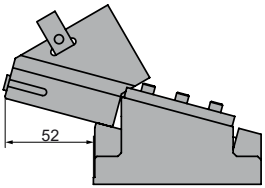
ABKL 0065 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
26.9	19.6 (2.0)	39.2 (4.0)	165.9 (16.9)	1069.2 (109.0)	ABKL	0065	00

Order: Model (W) (α)

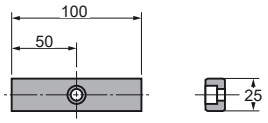
ABKL 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 00-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

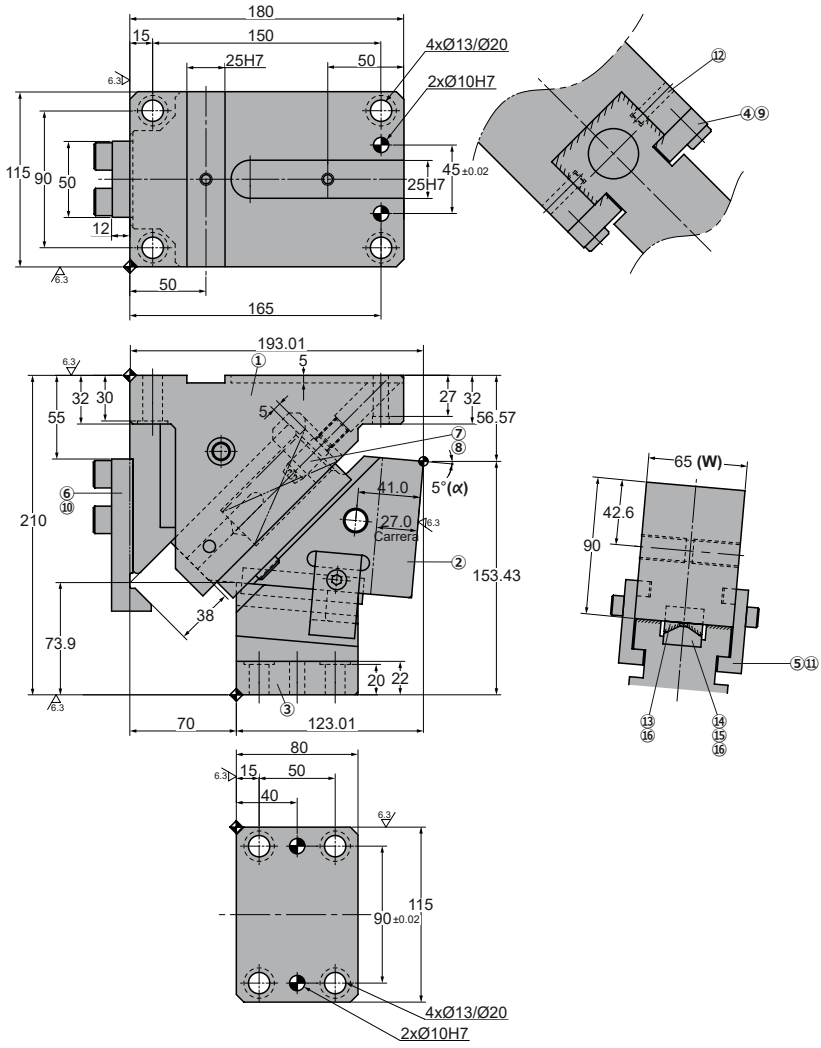
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

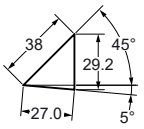
Aerial cam for pierce and flange

AZOL GAS

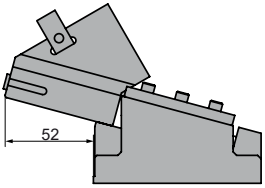
ABKL 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
27.0	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	05

Order: Model (W) (α)

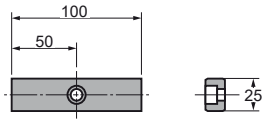
ABKL 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 05-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

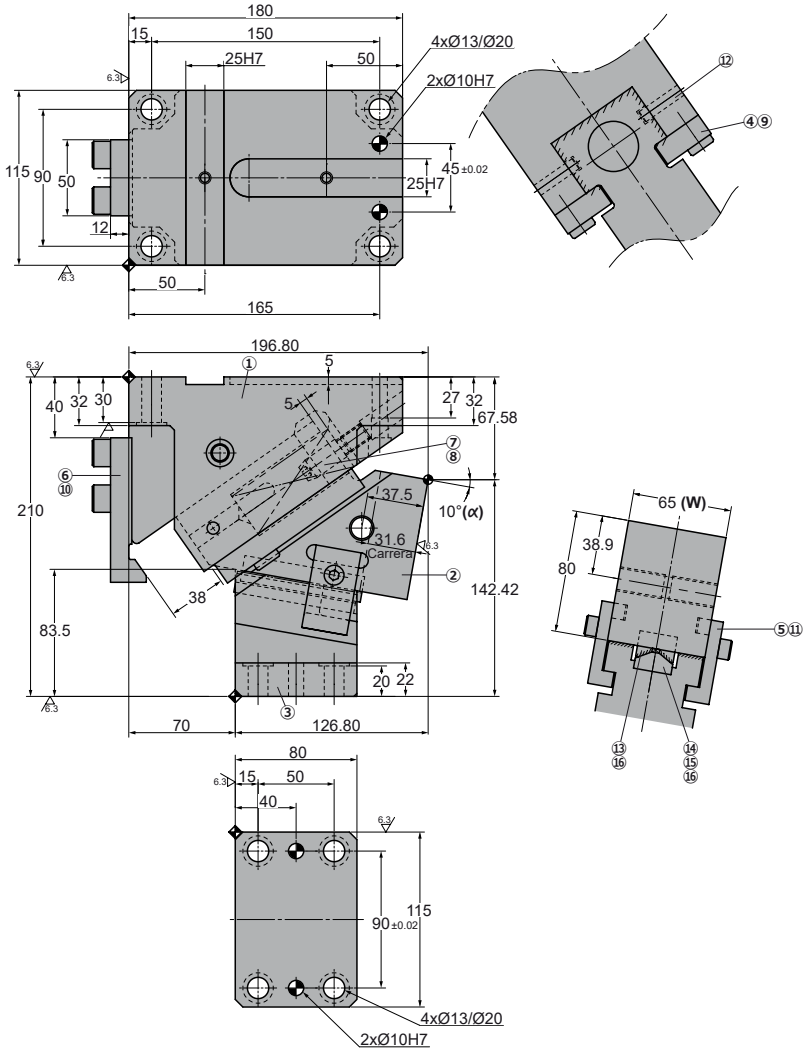
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

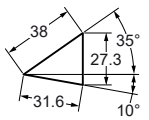
Aerial cam for pierce and flange

AZOL GAS

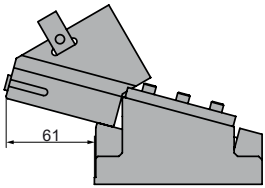
ABKL 0065 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
31.6	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	10

Order: Model (W) (α)

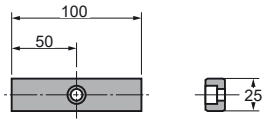
ABKL 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 10-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

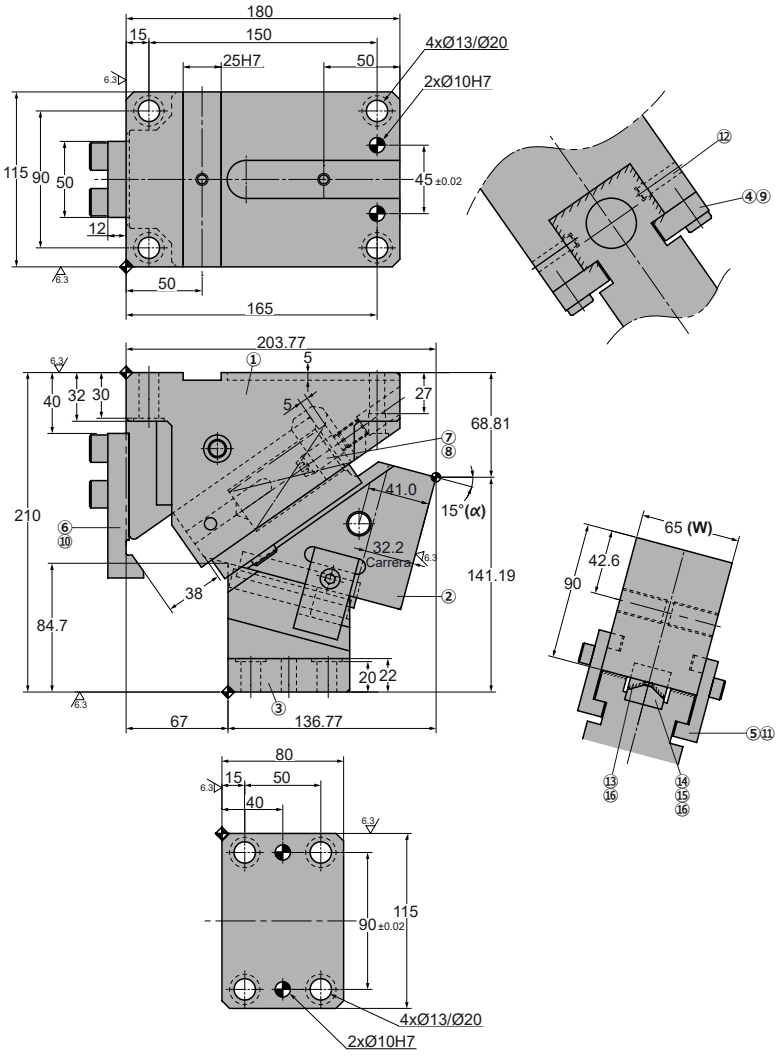
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

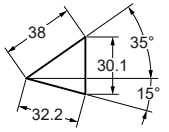
Aerial cam for pierce and flange

AZOL GAS

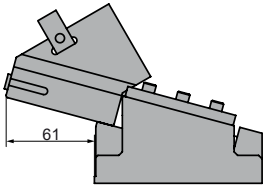
ABKL 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
32.2	19.6 (2.0)	39.2 (4.0)	237.0 (24.2)	1140.5 (116.3)	ABKL	0065	15

Order: Model (W) (α)

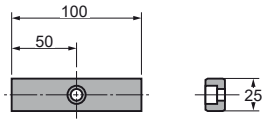
ABKL 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 15-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

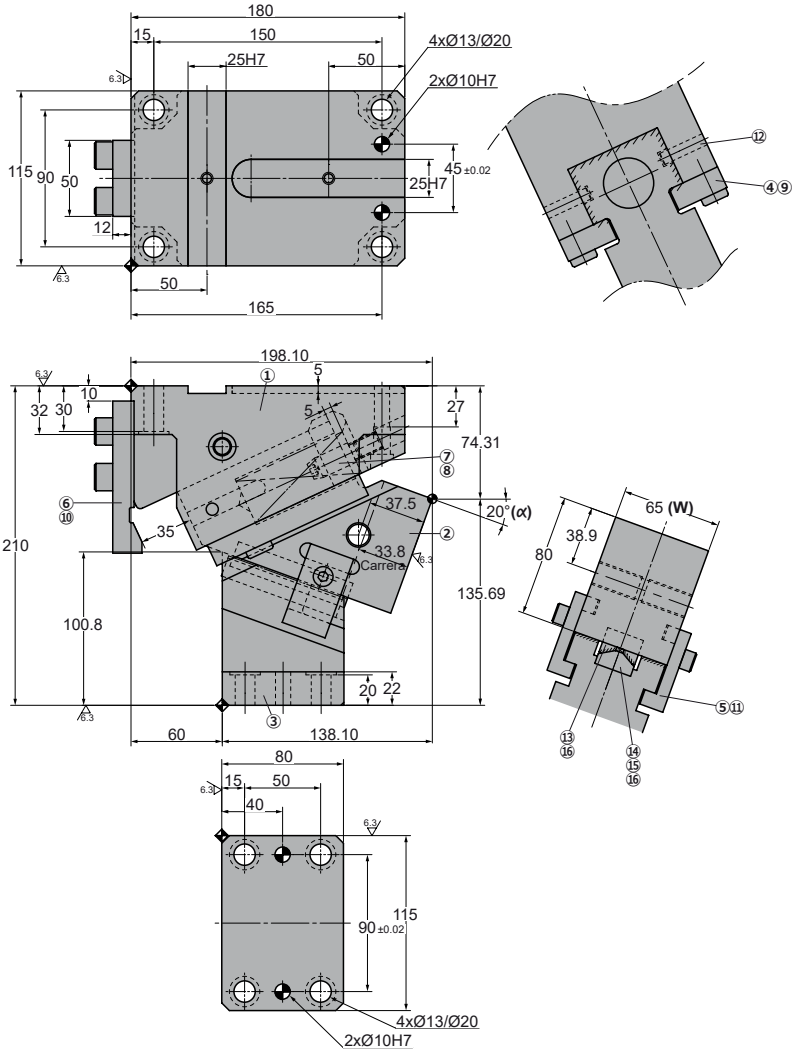
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

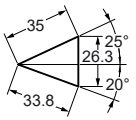
Aerial cam for pierce and flange

AZOL GAS

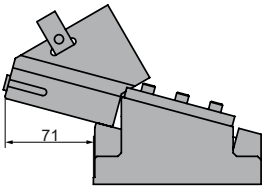
ABKL 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.8	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	20

Order: Model (W) (α)

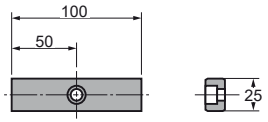
ABKL 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 20-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

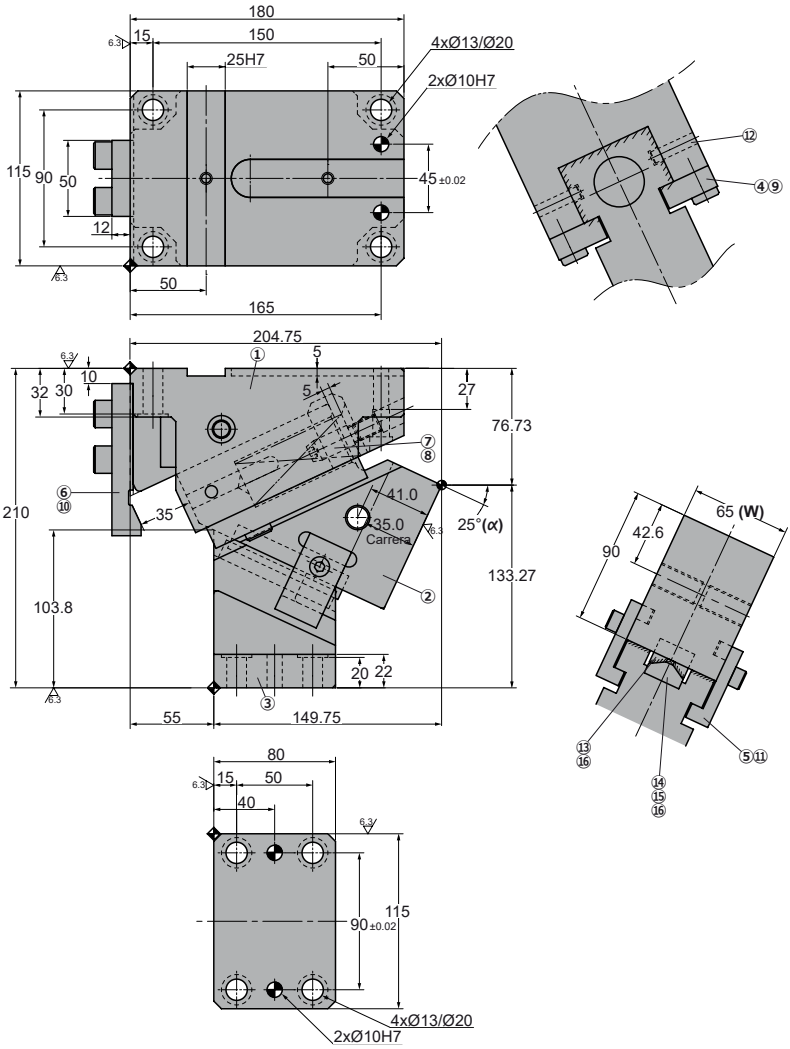
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

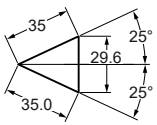
Aerial cam for pierce and flange

AZOL GAS

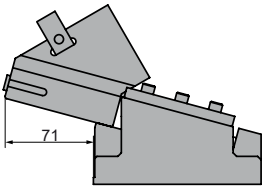
ABKL 0065 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
35.0	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	25

Order: Model (W) (α)

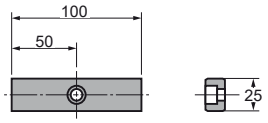
ABKL 0065 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 25-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

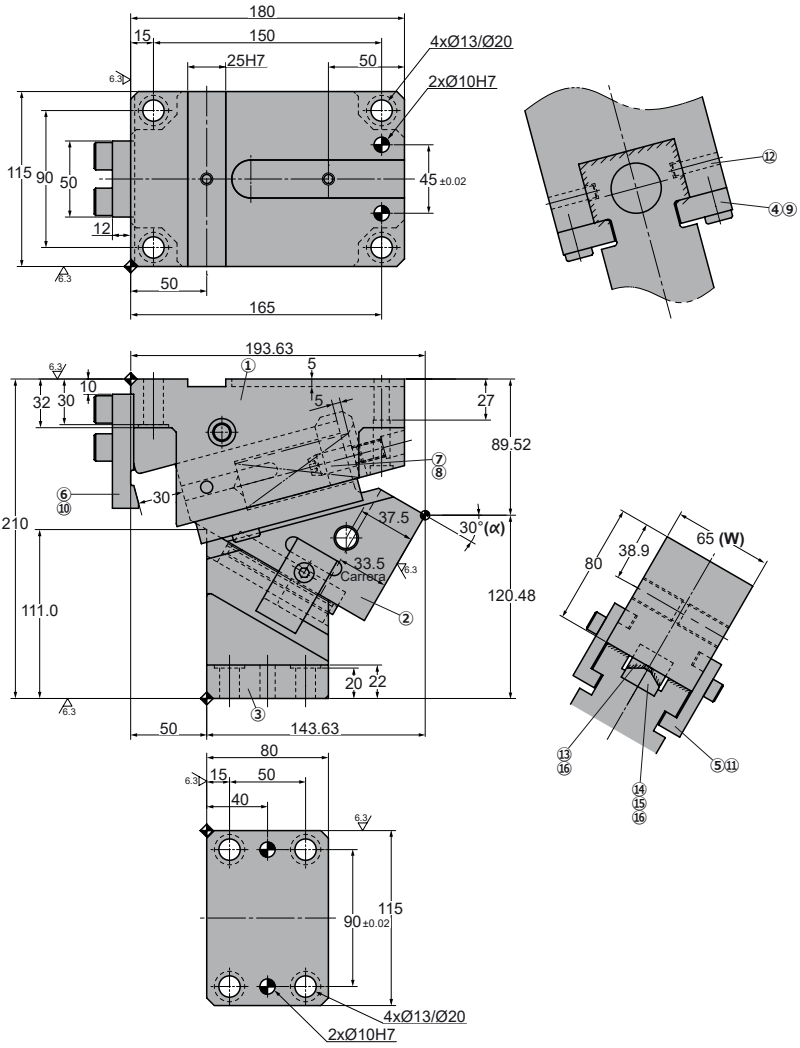
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

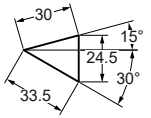
Aerial cam for pierce and flange

AZOL GAS

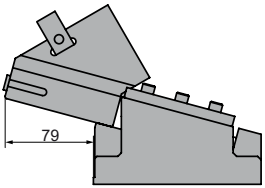
ABKL 0065 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.5	19.6 (2.0)	39.2 (4.0)	426.6 (43.5)	1140.5 (116.3)	ABKL	0065	30

Order: Model (W) (α)

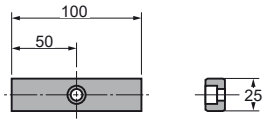
ABKL 0065 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 30-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

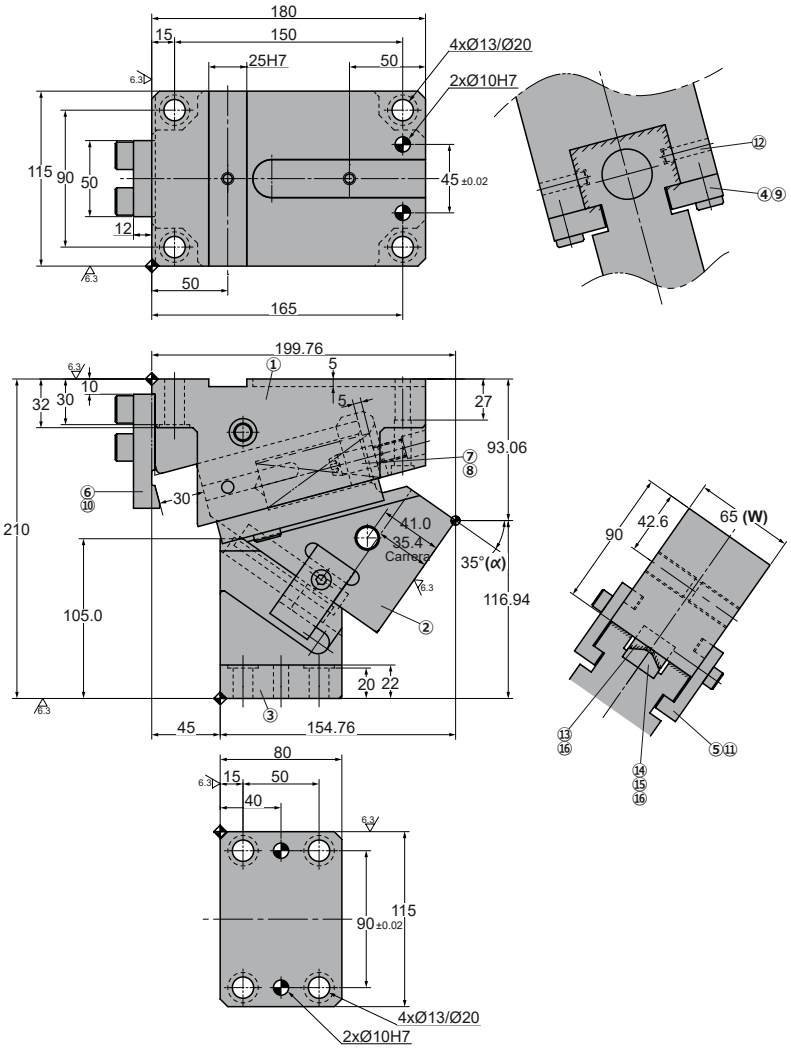
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

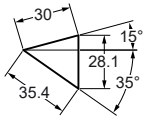
Aerial cam for pierce and flange

AZOL GAS

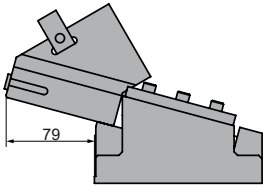
ABKL 0065 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
35.4	19.6 (2.0)	39.2 (4.0)	426.6 (43.5)	1140.5 (116.3)	ABKL	0065	35

Order: Model (W) (α)

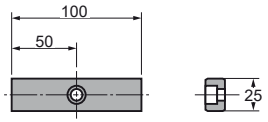
ABKL 0065 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 35-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	4	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

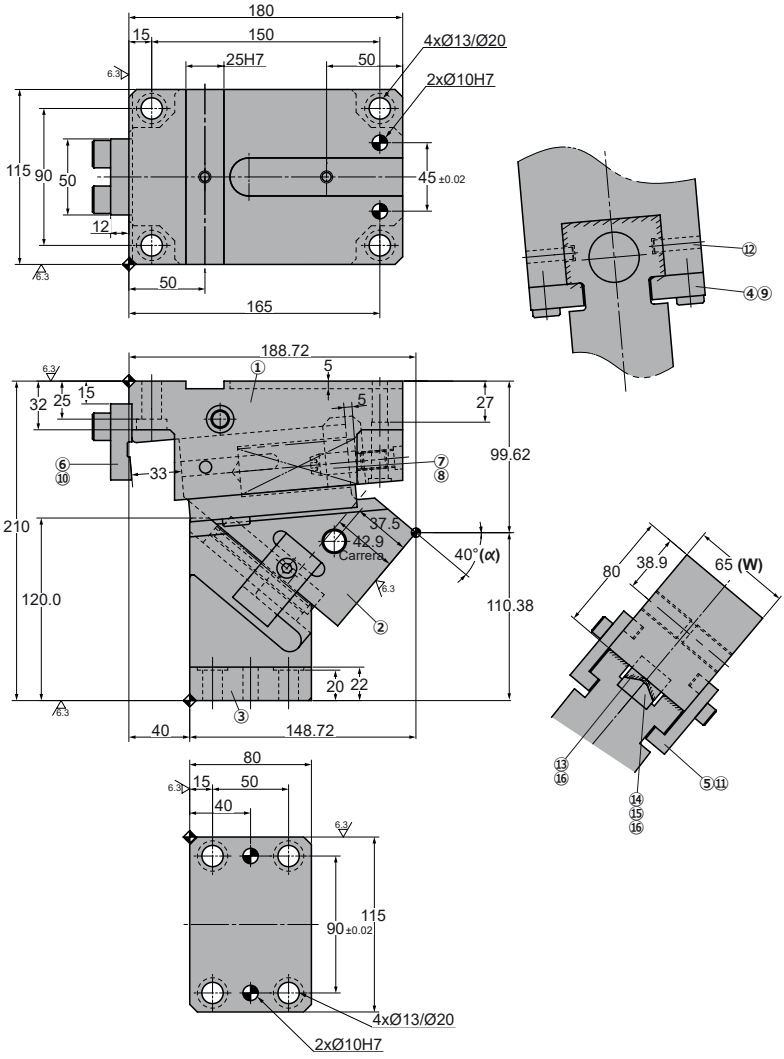
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

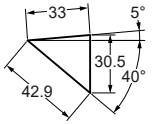
Aerial cam for pierce and flange

AZOL GAS

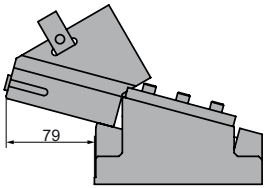
ABKL 0065 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
42.9	19.6 (2.0)	39.2 (4.0)	355.5 (36.5)	1140.5 (116.3)	ABKL	0065	40

Order: Model (W) (α)

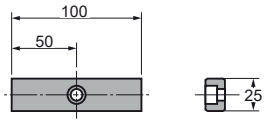
ABKL 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 40-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

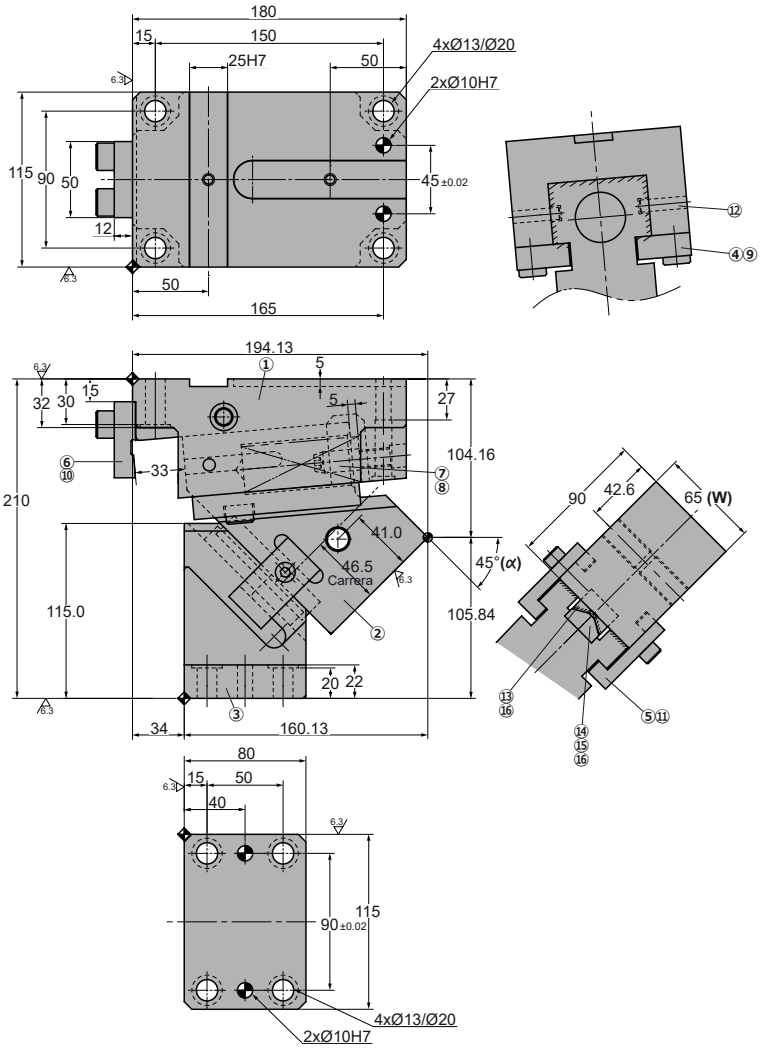
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

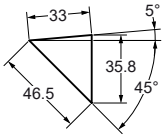
Aerial cam for pierce and flange

AZOL GAS

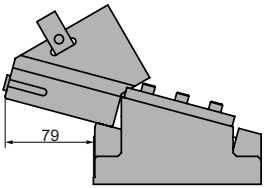
ABKL 0065 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
46.5	19.6 (2.0)	39.2 (4.0)	355.5 (36.5)	1140.5 (116.3)	ABKL	0065	45

Order: Model (W) (α)

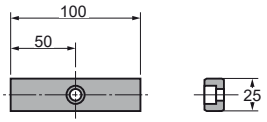
ABKL 0065 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 45-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

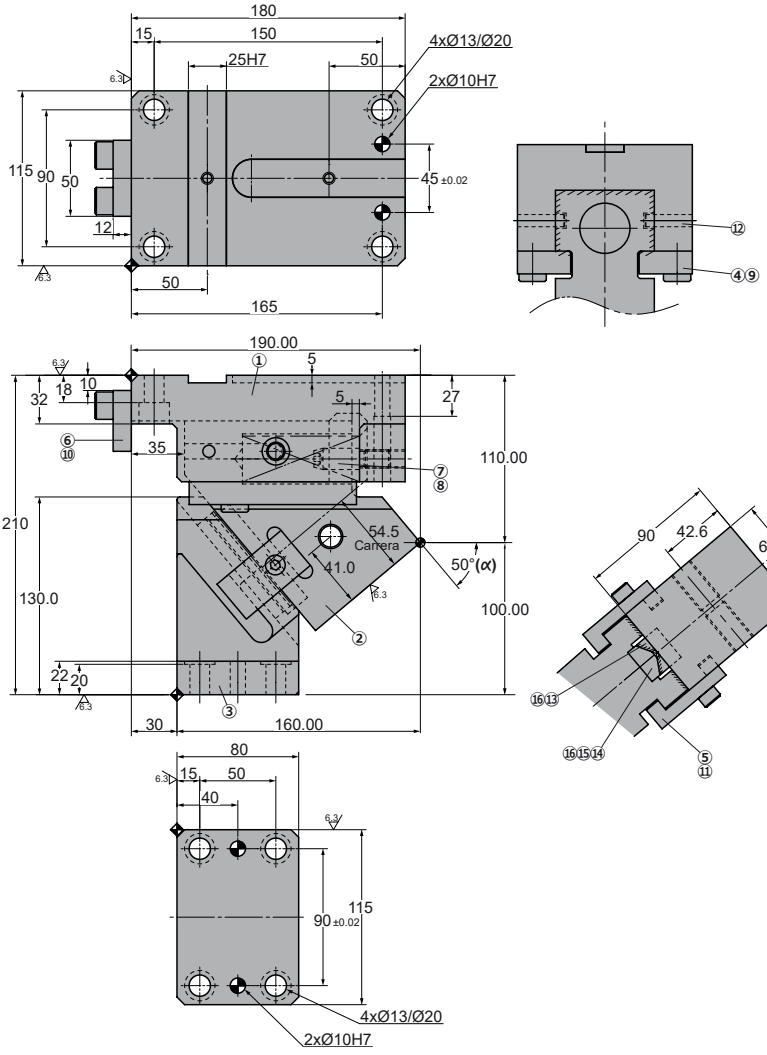
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

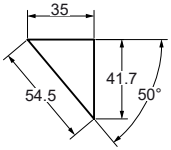
Aerial cam for pierce and flange

AZOL GAS

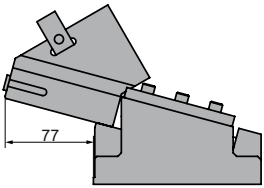
ABKL 0065 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
54.5	19.6 (2.0)	39.2 (4.0)	308.1 (31.4)	1140.5 (116.3)	ABKL	0065	50

Order: Model (W) (α)

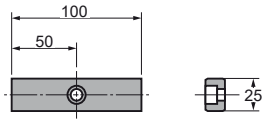
ABKL 0065 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 50-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-125
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

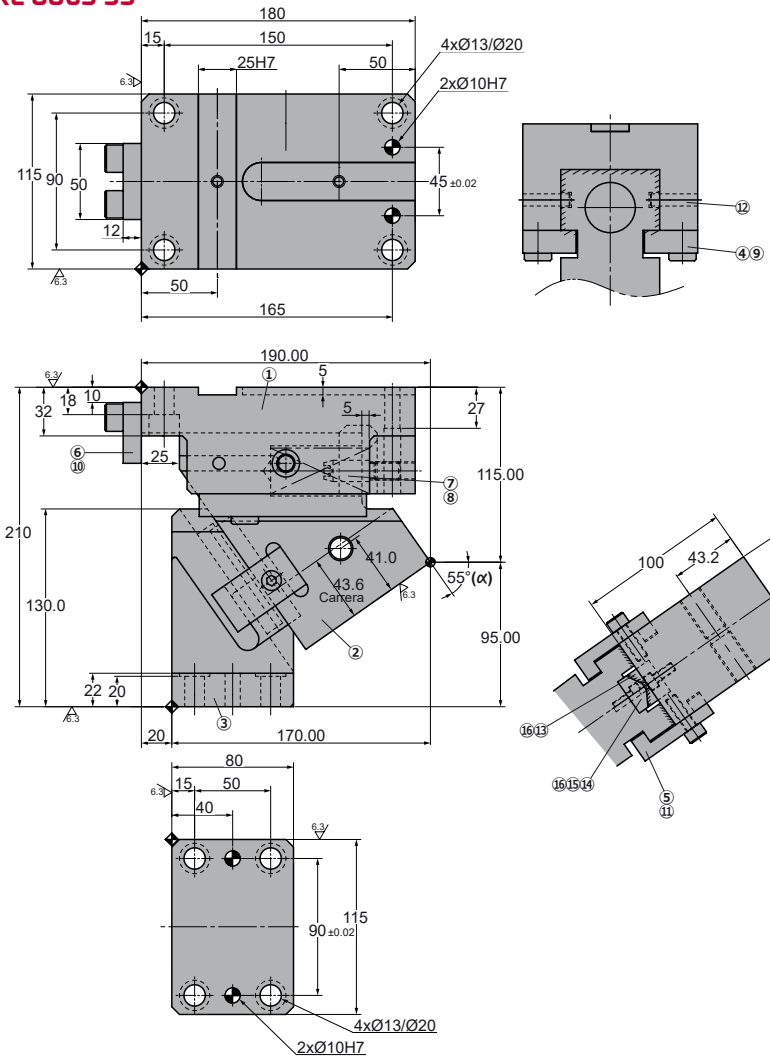
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

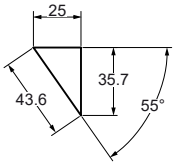
Aerial cam for pierce and flange

AZOL GAS

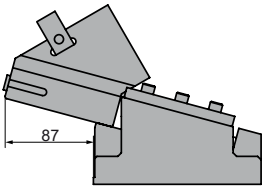
ABKL 0065 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
43.6	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	1039.2 (106.0)	ABKL	0065	55

Order: Model (W) (α)

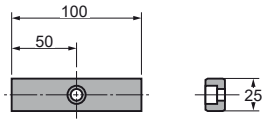
ABKL 0065 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 55-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

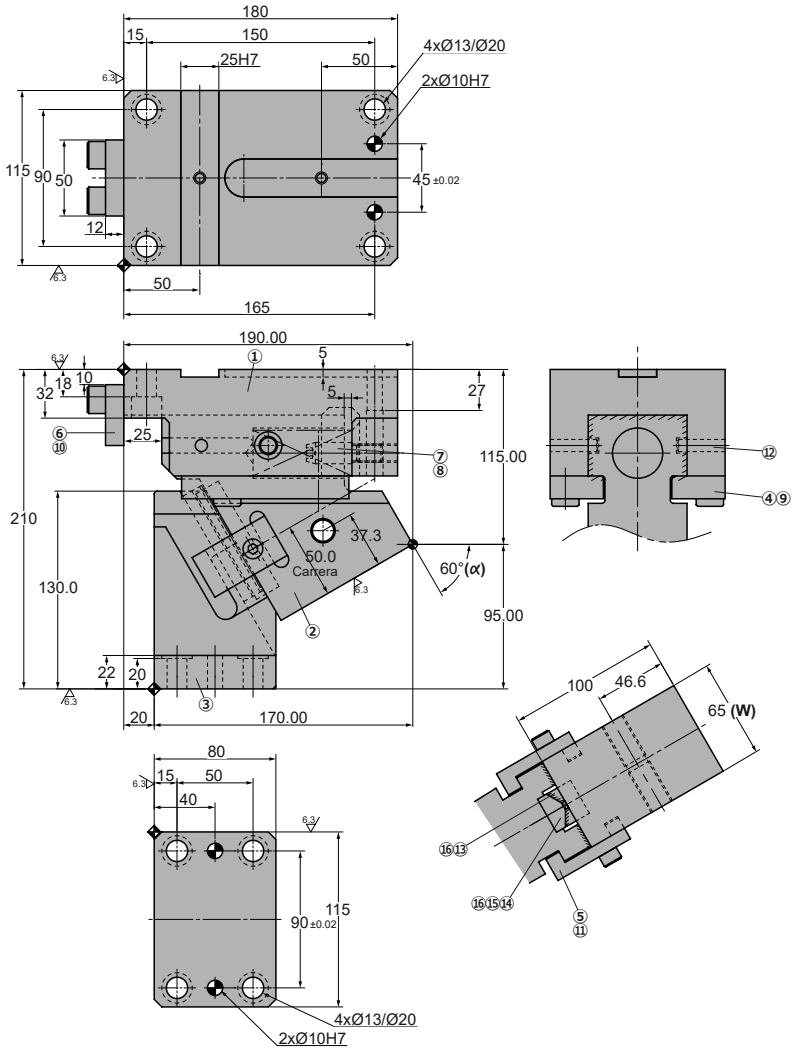
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

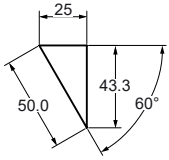
Aerial cam for pierce and flange

AZOL GAS

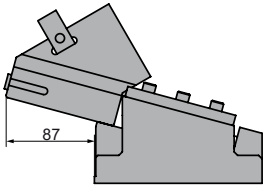
ABKL 0065 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
50.0	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	1039.2 (106.0)	ABKL	0065	60

Order: Model (W) (α)

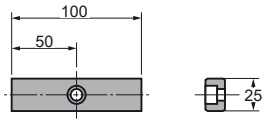
ABKL 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 60-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

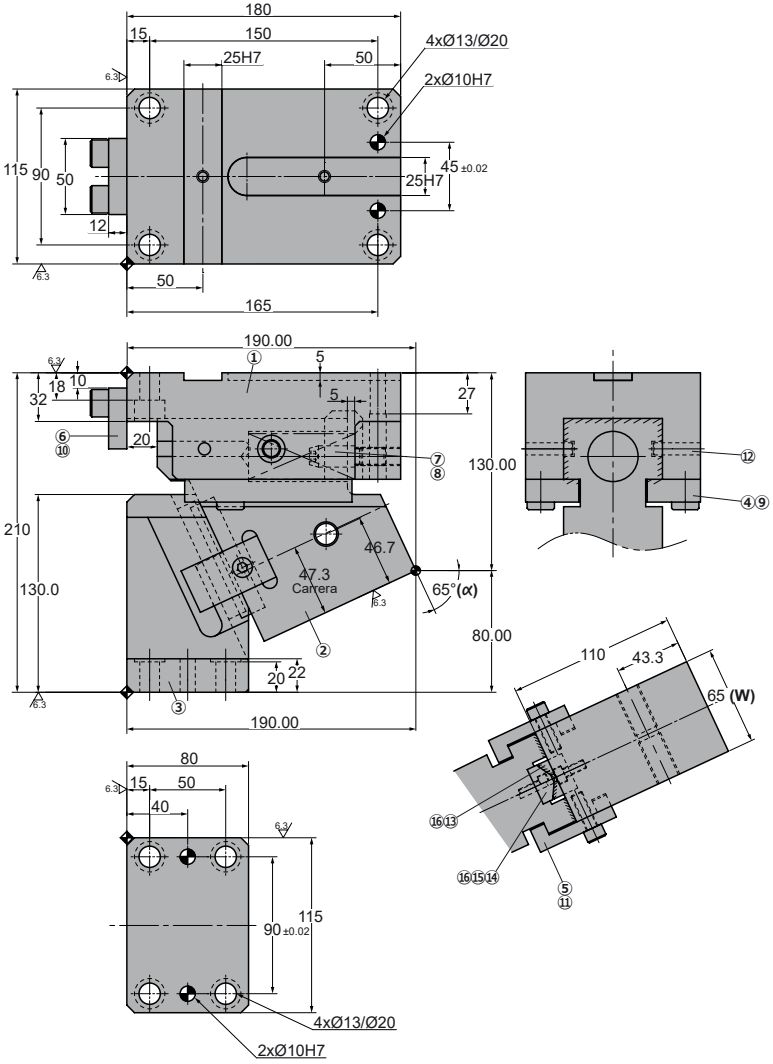
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

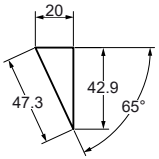
Aerial cam for pierce and flange

AZOL GAS

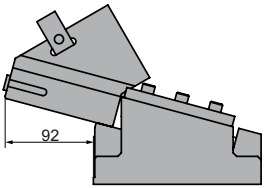
ABKL 0065 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
47.3	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	890.7 (90.8)	ABKL	0065	65

Order: Model (W) (α)

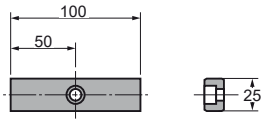
ABKL 0065 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 65-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

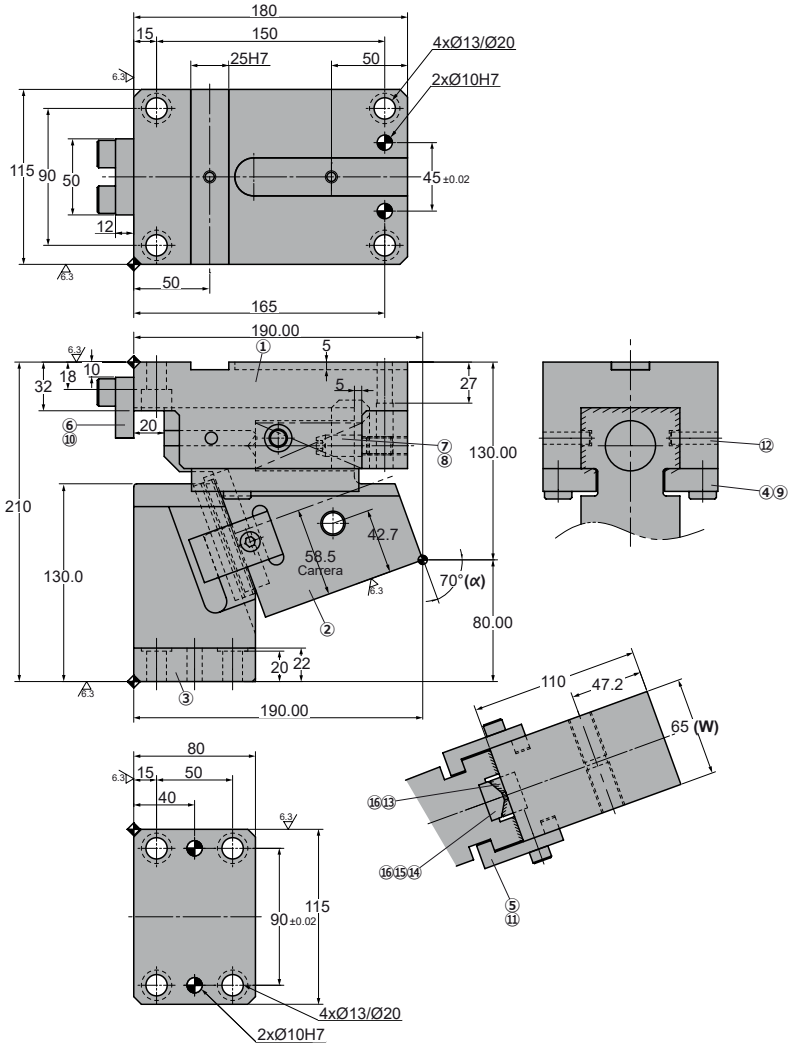
No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

ABKL 0065

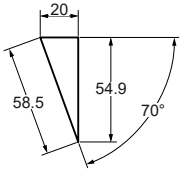
Aerial cam for pierce and flange

AZOL GAS

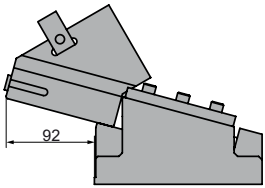
ABKL 0065 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0065

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
58.5	19.6 (2.0)	39.2 (4.0)	297.0 (30.3)	890.7 (90.8)	ABKL	0065	70

Order: Model (W) (α)

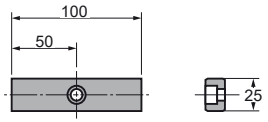
ABKL 0065 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0065 70-K

SPARE PARTS:
- ⑧ Coil Spring
- ⑬ Upper Slide Guide
- ⑭ Lower Slide Guide

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50 + G
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	1	CK45
⑧	Coil Spring	1	TL30-100
⑨	Screw	4	M12 x 25
⑩	Screw	2	M12 x 35
⑪	Screw	2	M8 x 25
⑫	Screw	2	M8 x 20
⑬	Upper Slide Guide	1	Bronze + G
⑭	Lower Slide Guide	1	CK45
⑮	Dowel Pin	1	Ø6 x 20

No.	Description	Qty.	Material
⑯	Screw	4	M6 x 15

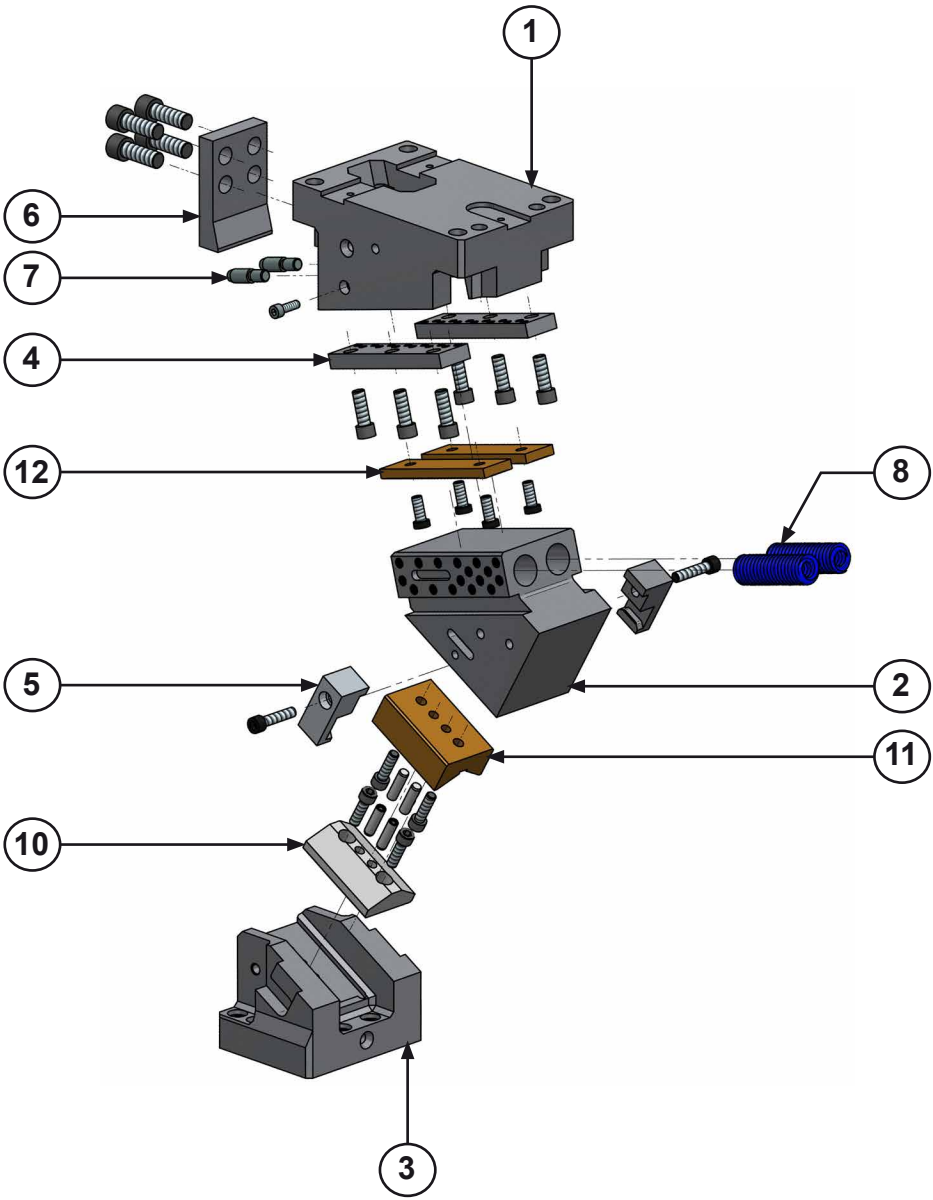
ABKL 0065

Aerial cam for pierce and flange

AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

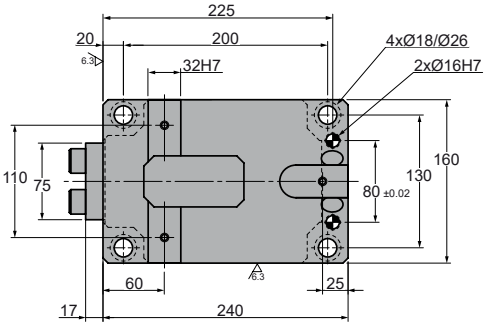


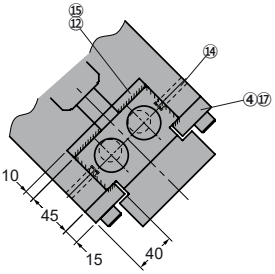
ABKL 0100

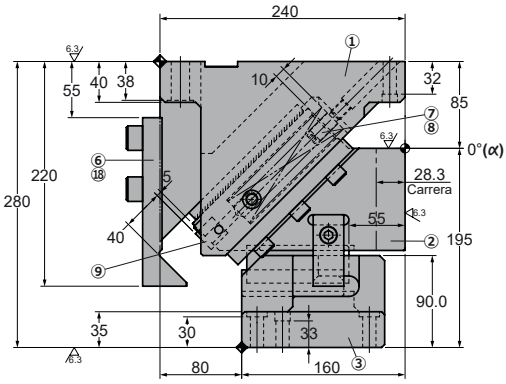
Aerial cam for pierce and flange

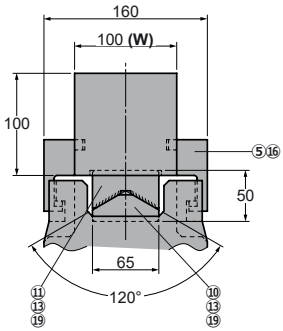
AZOL GAS

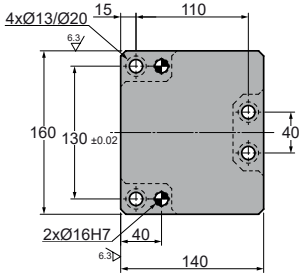
ABKL 0100 00



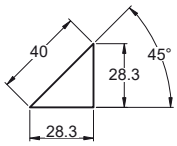




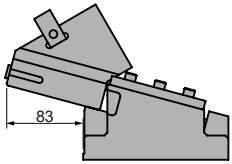




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
28.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	00

Order: Model (W) (α)

ABKL 0100 00

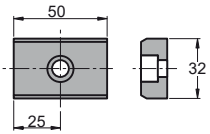
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

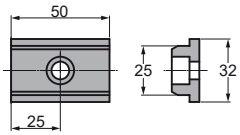
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 00-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

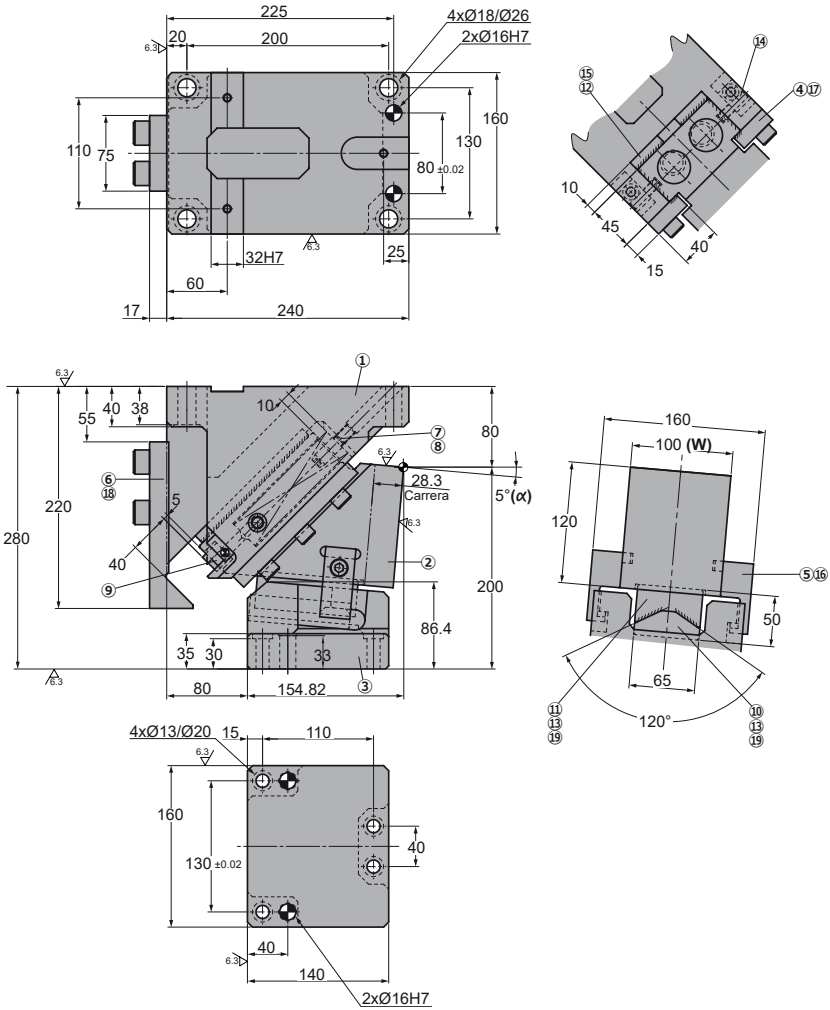
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

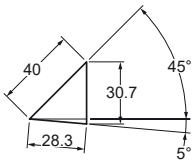
Aerial cam for pierce and flange

AZOL GAS

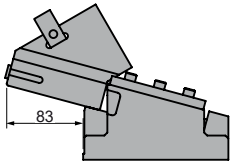
ABKL 0100 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
28.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	05

Order: Model (W) (α)

ABKL 0100 05

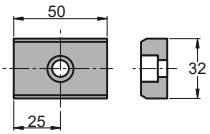
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

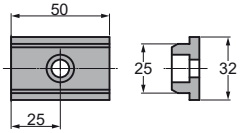
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

ABKL 0100 05-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

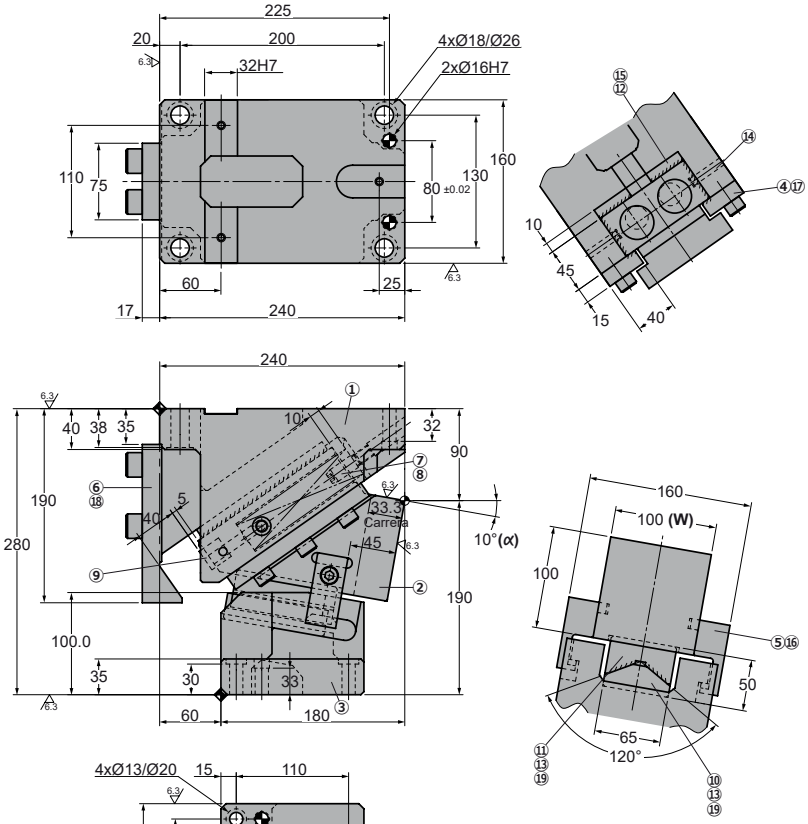
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

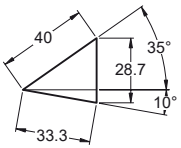
Aerial cam for pierce and flange

AZOL GAS

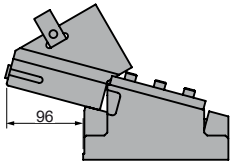
ABKL 0100 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.3	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	10

Order: Model (W) (α)

ABKL 0100 10

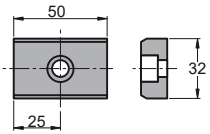
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

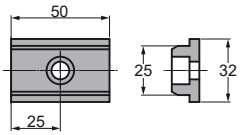
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 10-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

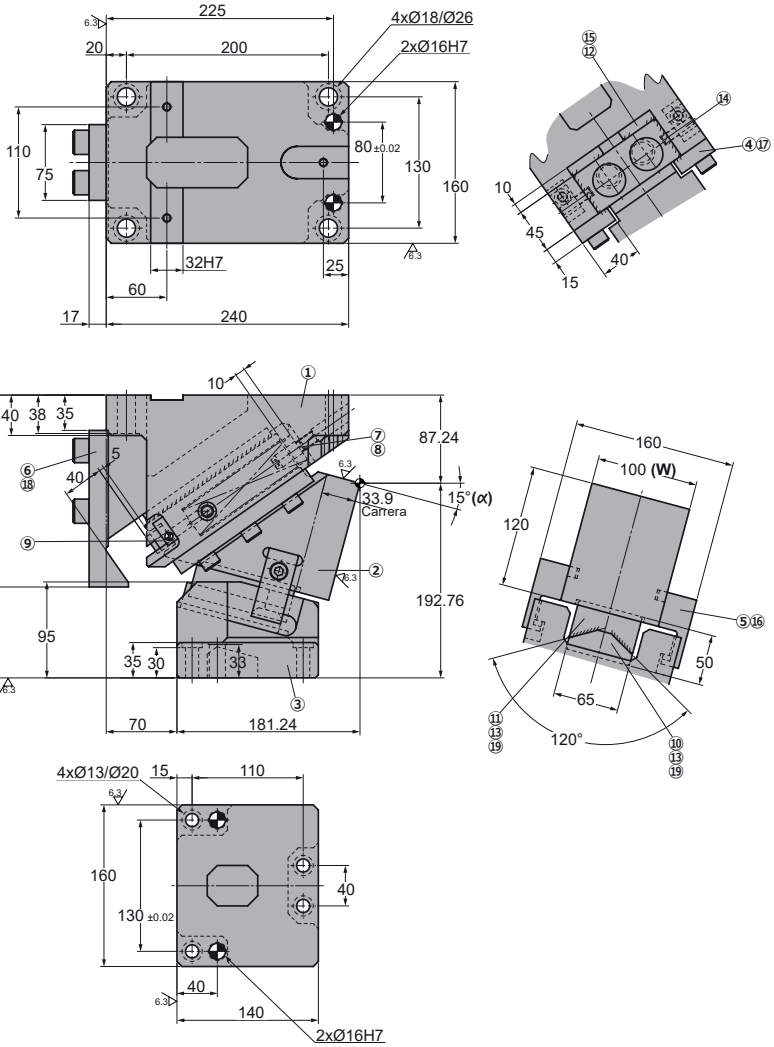
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

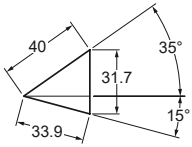
Aerial cam for pierce and flange

AZOL GAS

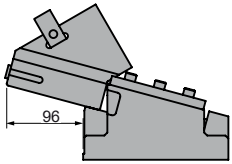
ABKL 0100 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.9	44.1 (4.5)	88.2 (9.0)	313.3 (31.9)	2819.7 (287.5)	ABKL	0100	15

Order: Model (W) (α)

ABKL 0100 15

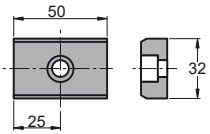
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

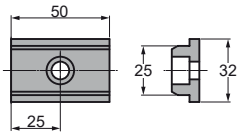
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 15-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

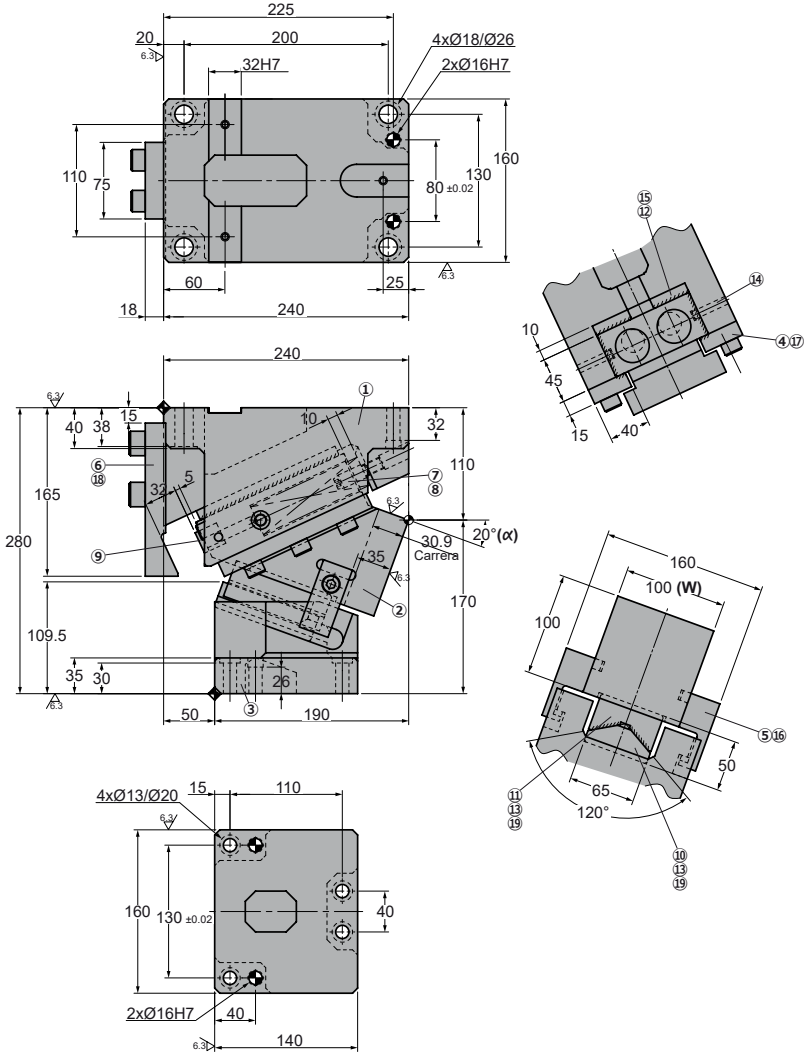
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

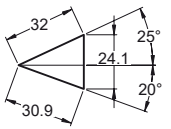
Aerial cam for pierce and flange

AZOL GAS

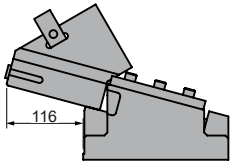
ABKL 0100 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
30.9	44.1 (4.5)	88.2 (9.0)	219.3 (22.4)	2558.5 (260.9)	ABKL	0100	20

Order: Model (W) (α)

ABKL 0100 20

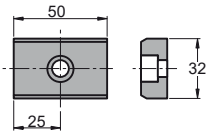
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

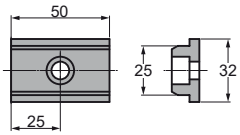
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 20-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-150
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

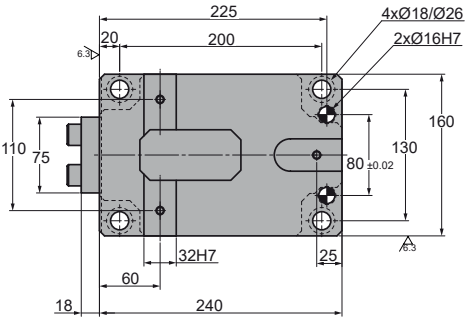
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

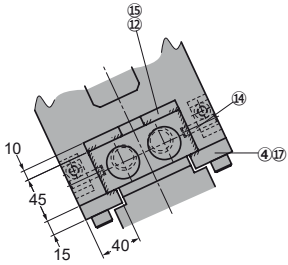
ABKL 0100

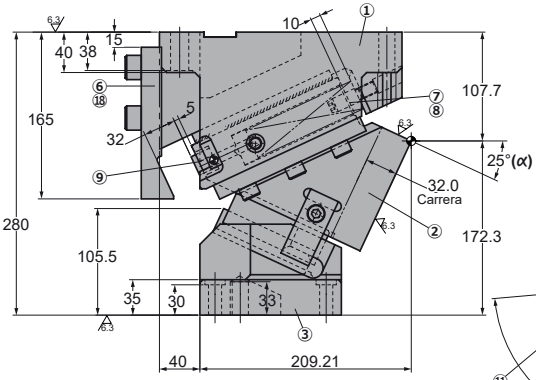
Aerial cam for pierce and flange

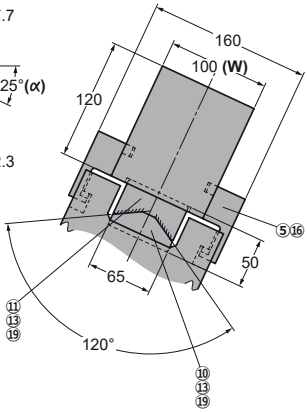
AZOL GAS

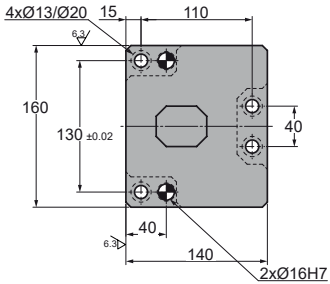
ABKL 0100 25



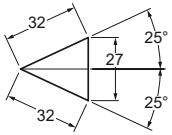




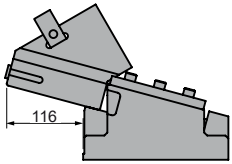




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
32.0	44.1 (4.5)	88.2 (9.0)	219.3 (22.4)	2558.5 (260.9)	ABKL	0100	25

Order: Model (W) (α)

ABKL 0100 25

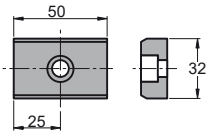
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

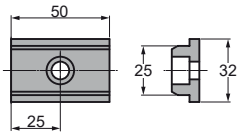
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 25-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

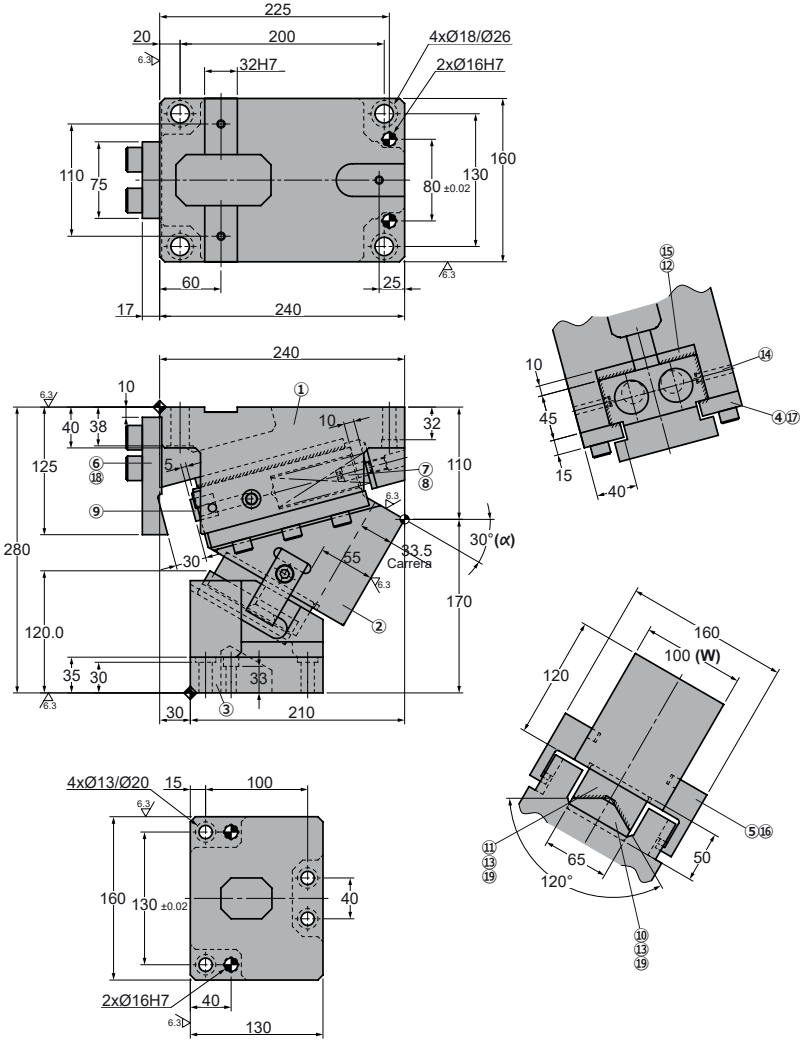
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

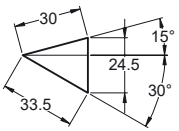
Aerial cam for pierce and flange

AZOL GAS

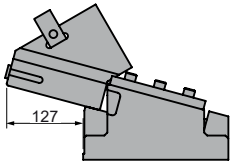
ABKL 0100 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.5	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	30

Order: Model (W) (α)

ABKL 0100 30

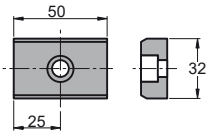
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

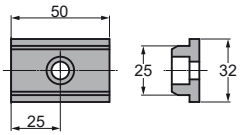
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 30-K

SPARE PARTS:

⑧ Coil Spring
⑩ Lower Slide Guide
⑪ Upper Slide Guide
⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

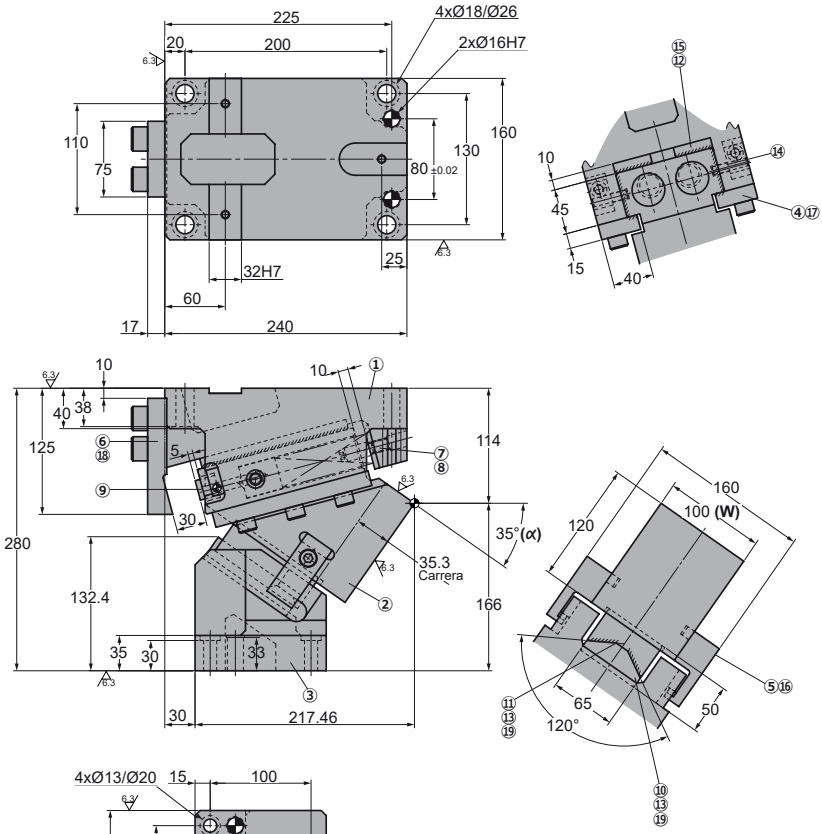
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

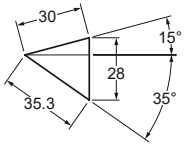
Aerial cam for pierce and flange

AZOL GAS

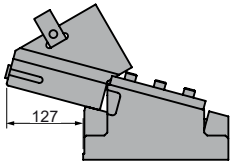
ABKL 0100 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
35.3	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	35

Order: Model (W) (α)

ABKL 0100 35

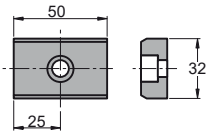
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

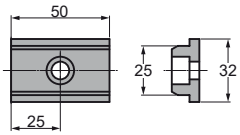
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 35-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

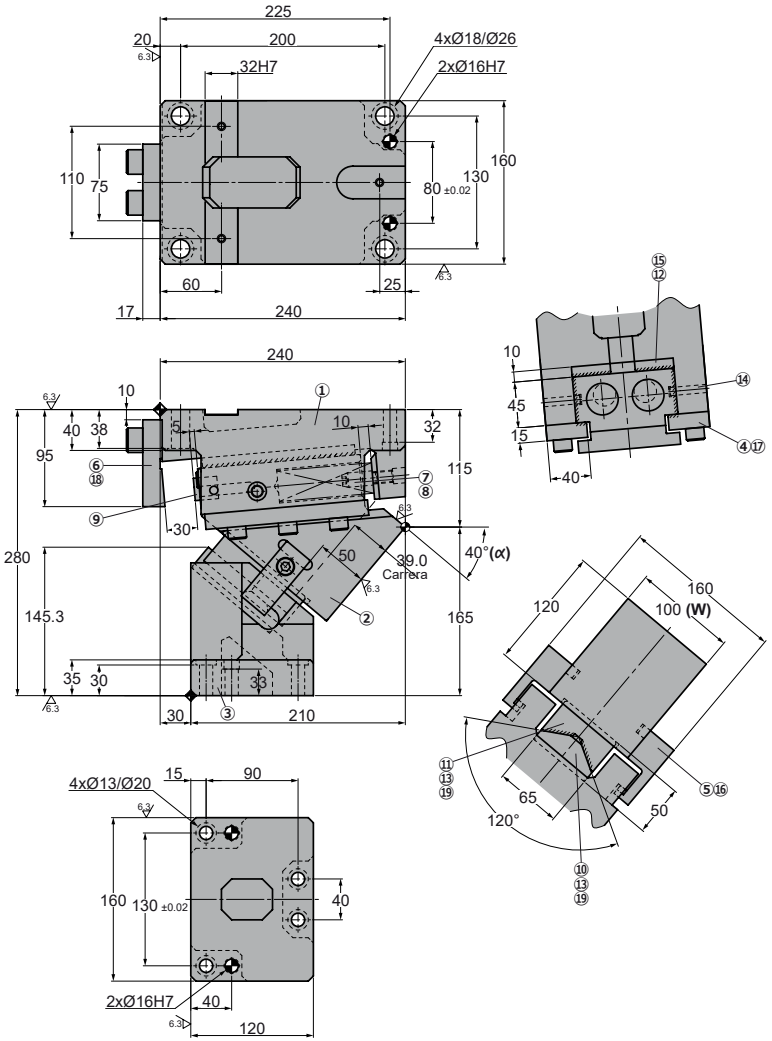
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

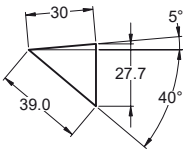
Aerial cam for pierce and flange

AZOL GAS

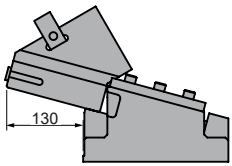
ABKL 0100 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
39.0	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	40

Order: Model (W) (α)

ABKL 0100 40

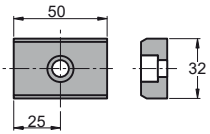
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

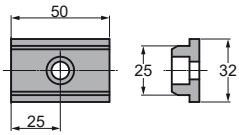
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 40-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

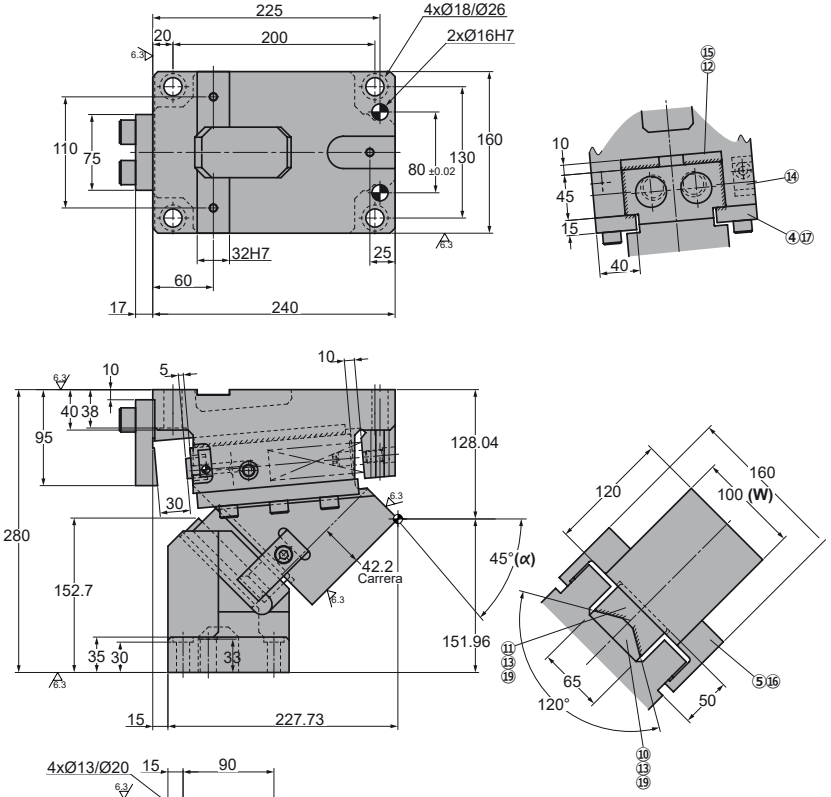
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

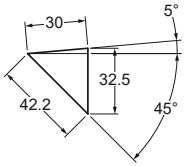
Aerial cam for pierce and flange

AZOL GAS

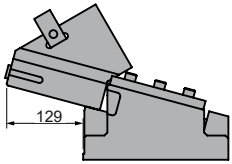
ABKL 0100 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
42.2	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	45

Order: Model (W) (α)

ABKL 0100 45

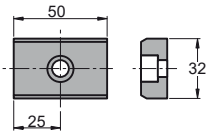
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

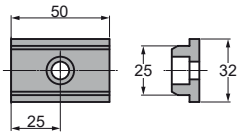
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 45-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

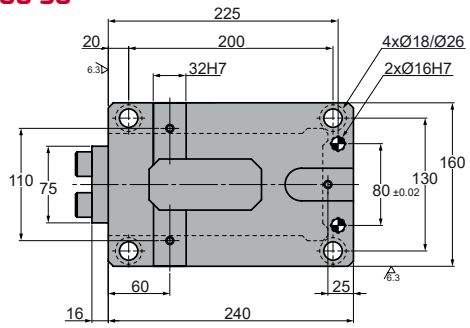
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

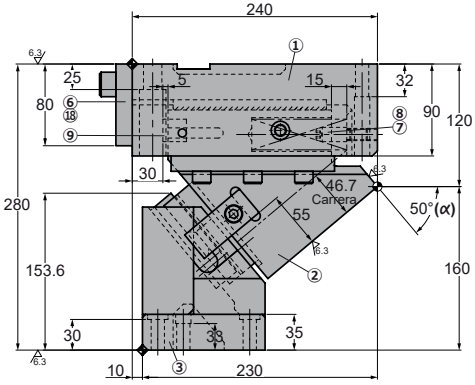
ABKL 0100

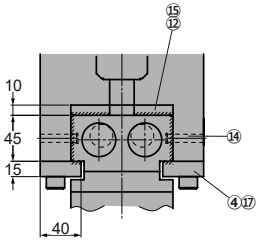
Aerial cam for pierce and flange

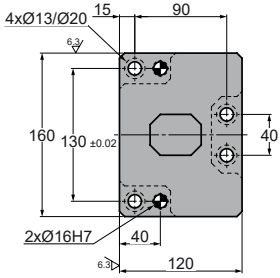
AZOL GAS

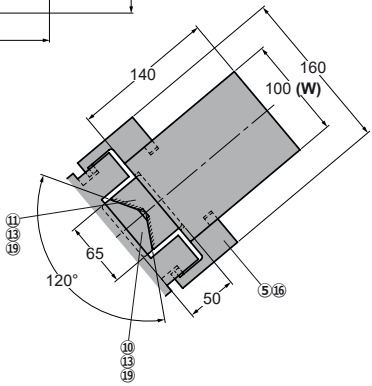
ABKL 0100 50



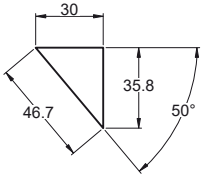




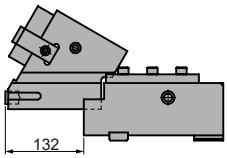




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
46.7	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	50

Order: Model (W) (α)

ABKL 0100 50

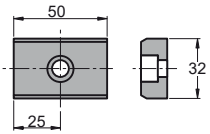
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

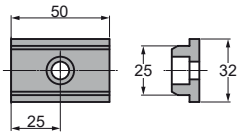
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 50-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

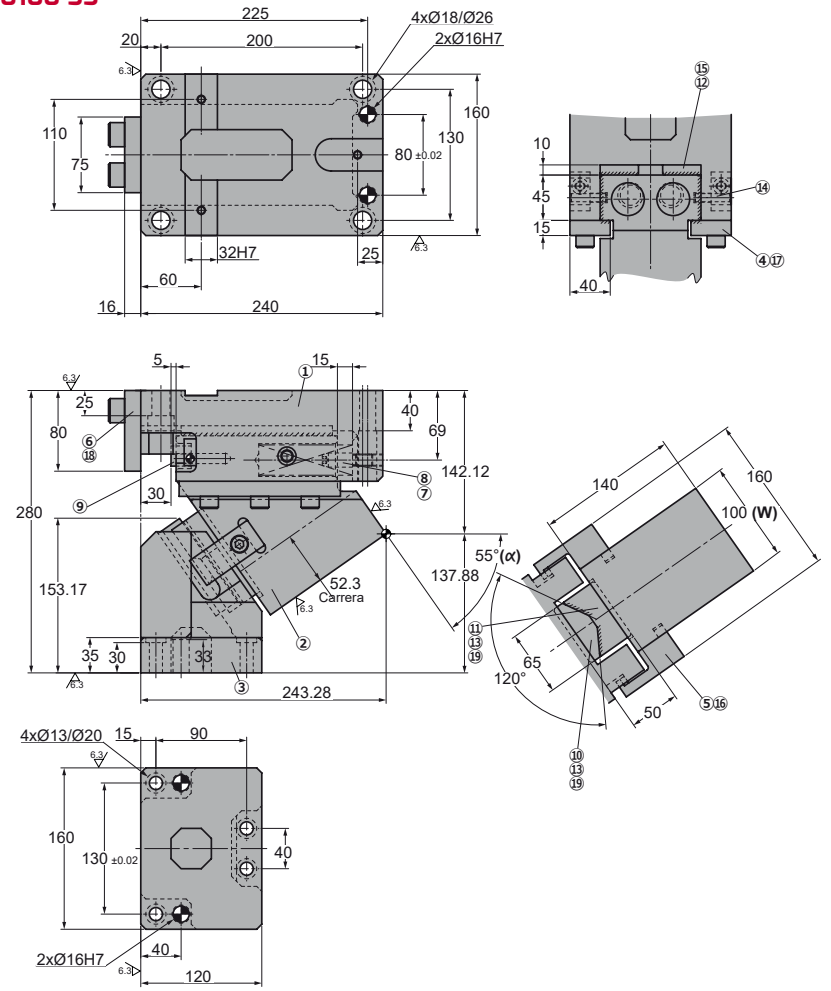
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

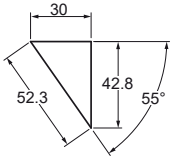
Aerial cam for pierce and flange

AZOL GAS

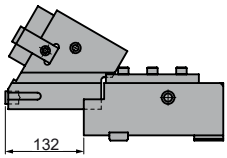
ABKL 0100 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
52.3	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	55

Order: Model (W) (α)

ABKL 0100 55

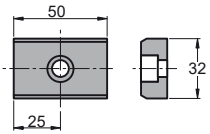
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

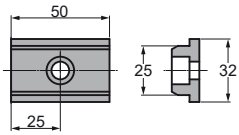
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

ABKL 0100 55-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

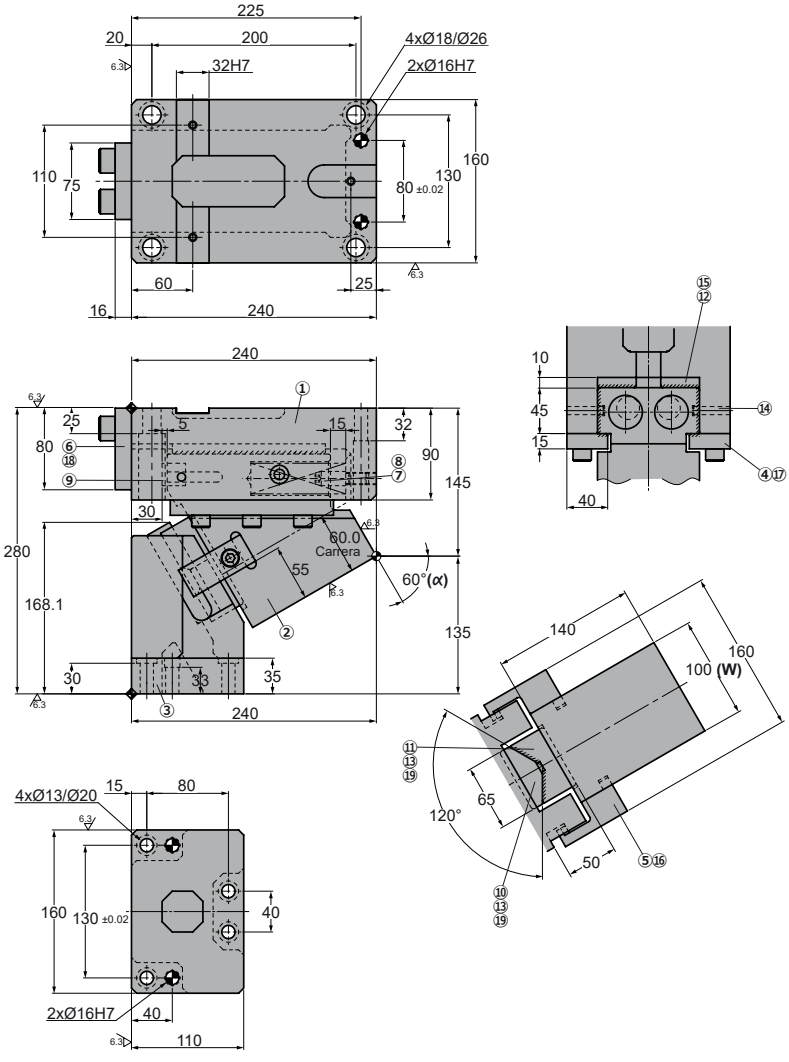
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

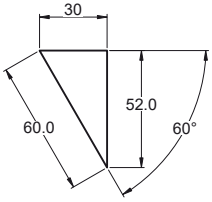
Aerial cam for pierce and flange

AZOL GAS

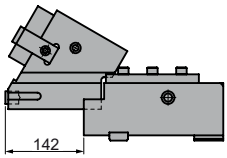
ABKL 0100 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
60.0	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	60

Order: Model (W) (α)

ABKL 0100 60

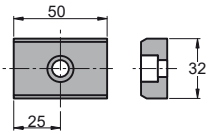
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

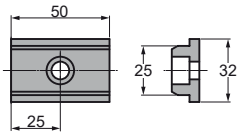
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 60-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-125
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

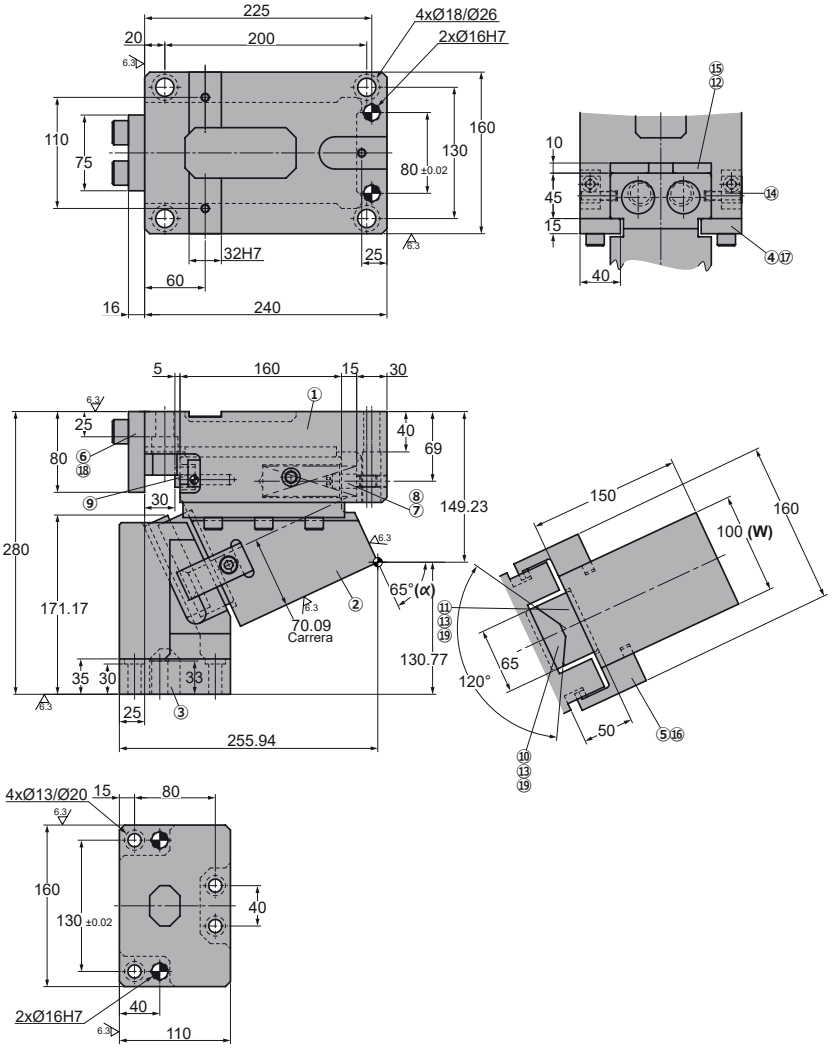
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

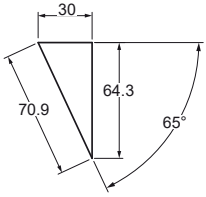
Aerial cam for pierce and flange

AZOL GAS

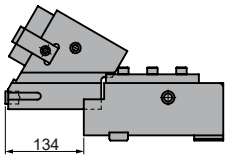
ABKL 0100 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
70.9	44.1 (4.5)	88.2 (9.0)	175.4 (17.9)	2807.0 (286.2)	ABKL	0100	65

Order: Model (W) (α)

ABKL 0100 65

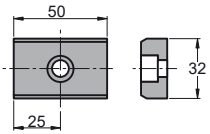
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

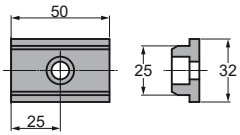
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0100 65-K

SPARE PARTS:

⑧ Coil Spring
⑩ Lower Slide Guide
⑪ Upper Slide Guide
⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-100
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

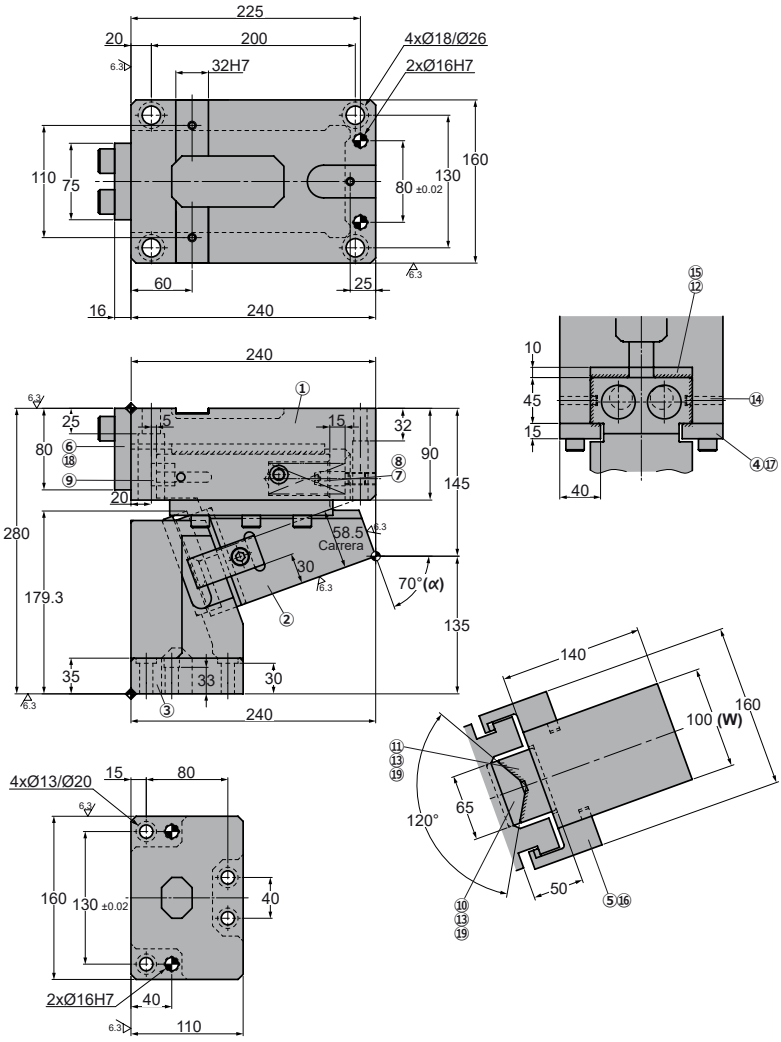
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	2	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0100

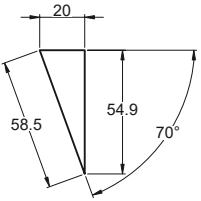
Aerial cam for pierce and flange

AZOL GAS

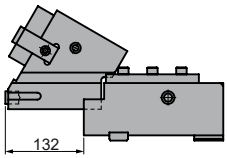
ABKL 0100 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0100

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
58.5	44.1 (4.5)	88.2 (9.0)	548.3 (55.9)	2741.5 (279.6)	ABKL	0100	70

Order: Model (W) (α)

ABKL 0100 70

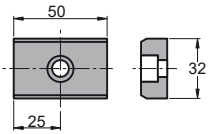
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

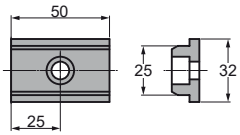
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

ABKL 0100 70-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	2	CK45
⑧	Coil Spring	2	TM30-175
⑨	Cushioning Stopper	2	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Screw	4	M10 x 30
⑭	Screw	2	M8 x 25
⑮	Screw	4	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	2	M10 x 40
⑰	Screw	6	M12 x 35
⑱	Screw	4	M16 x 45
⑲	Dowel Pin	4	Ø10 x 25

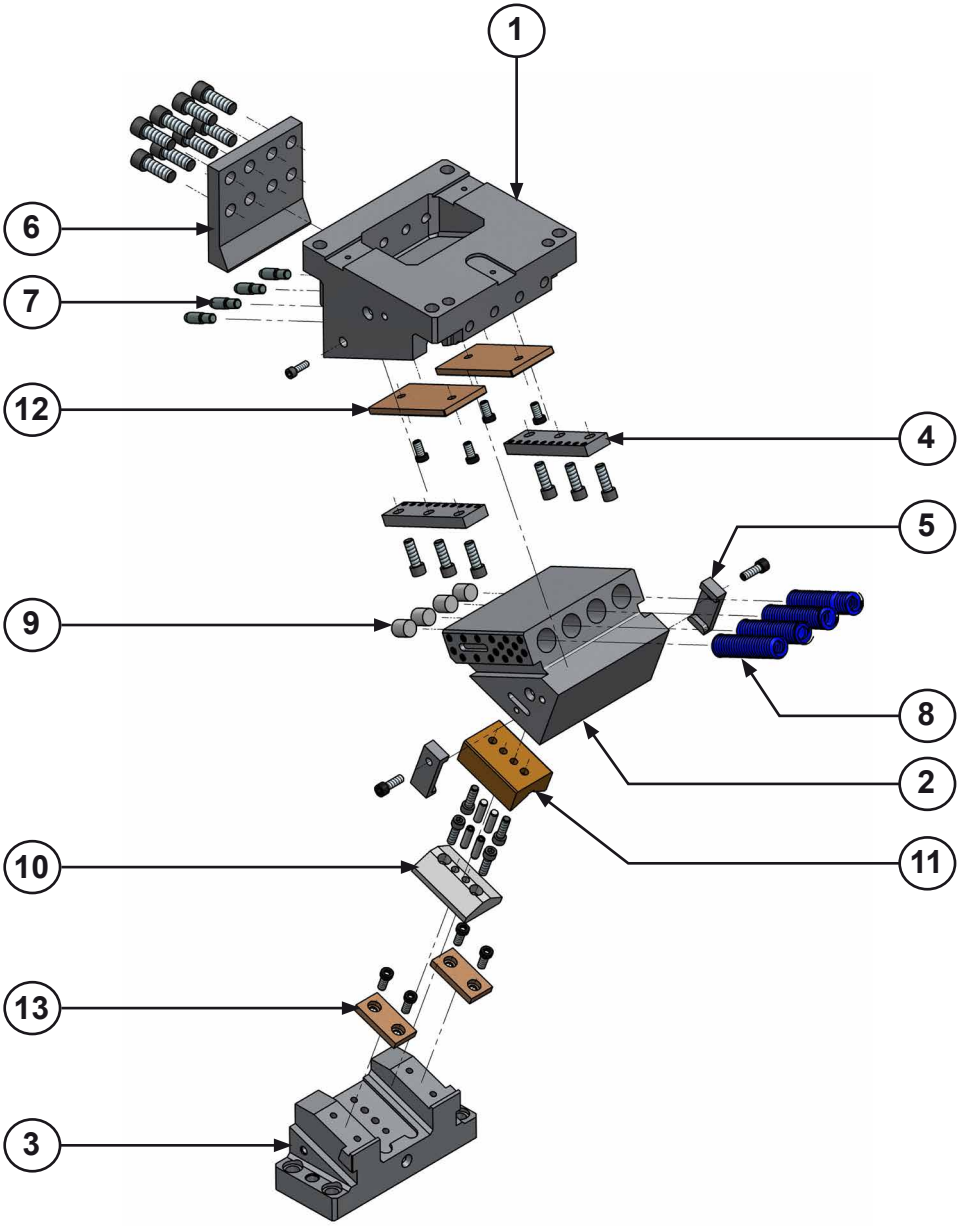
ABKL 0100

Aerial cam for pierce and flange

AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

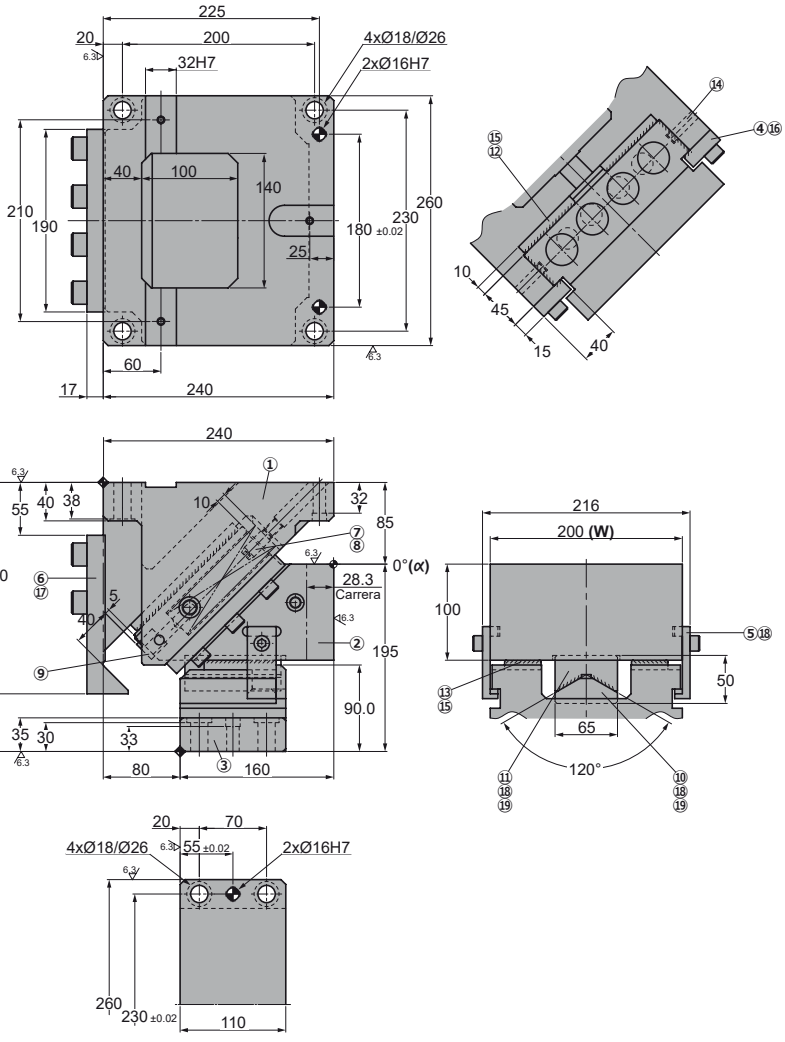


ABKL 0200

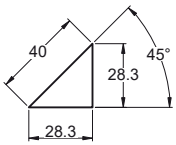
Aerial cam for pierce and flange

AZOL GAS

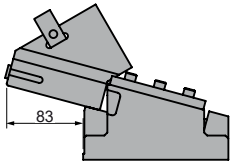
ABKL 0200 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
28.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5634.0 (574.9)	ABKL	0200	00

Order: Model (W) (α)

ABKL 0200 00

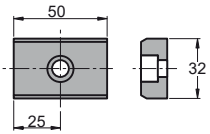
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

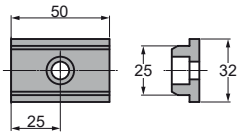
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 00-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

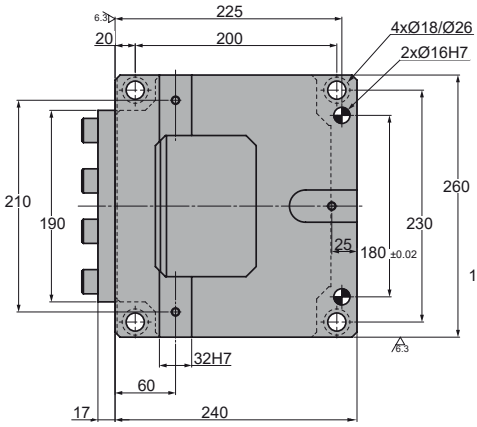
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

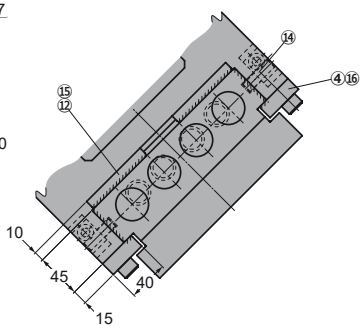
ABKL 0200

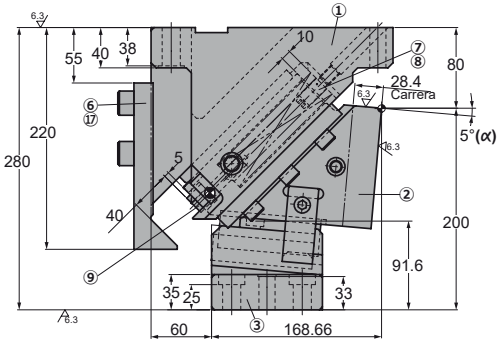
Aerial cam for pierce and flange

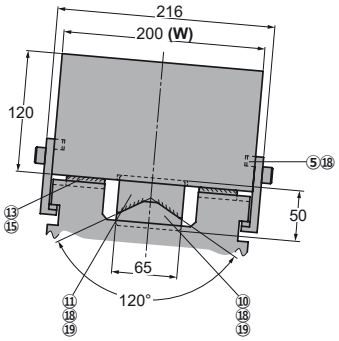
AZOL GAS

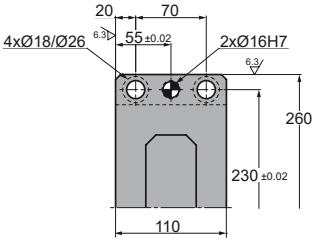
ABKL 0200 05



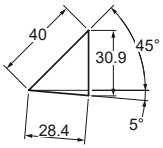




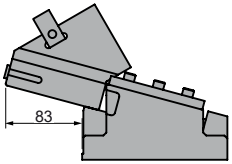




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
28.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	05

Order: Model (W) (α)

ABKL 0200 05

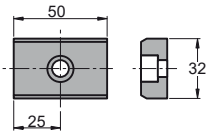
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

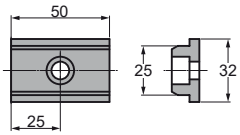
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 05-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

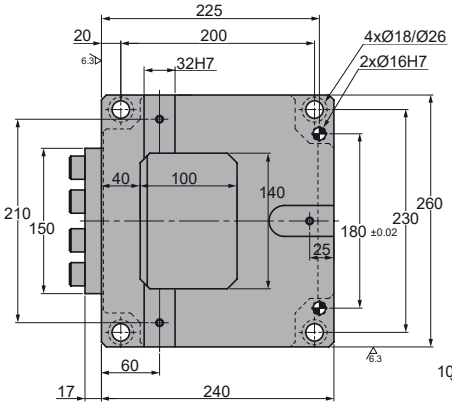
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

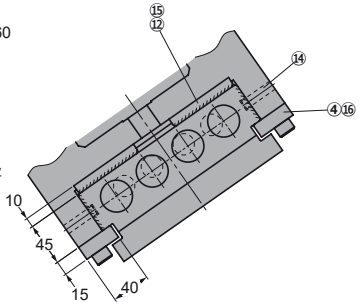
ABKL 0200

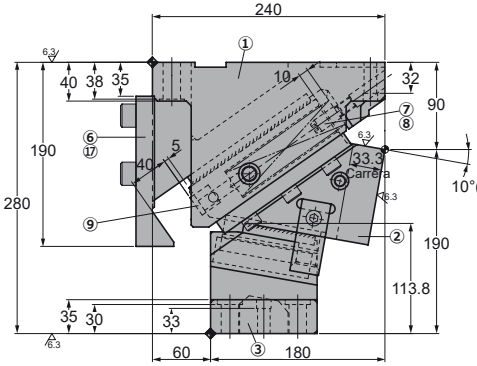
Aerial cam for pierce and flange

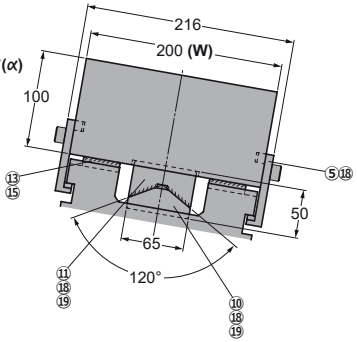
AZOL GAS

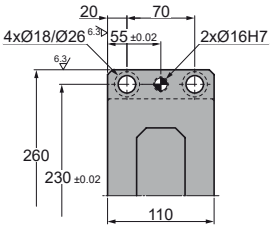
ABKL 0200 10



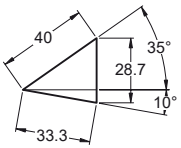




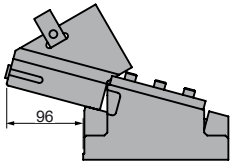




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.3	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	10

Order: Model (W) (α)

ABKL 0200 10

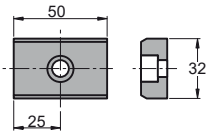
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

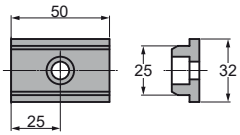
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 10-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

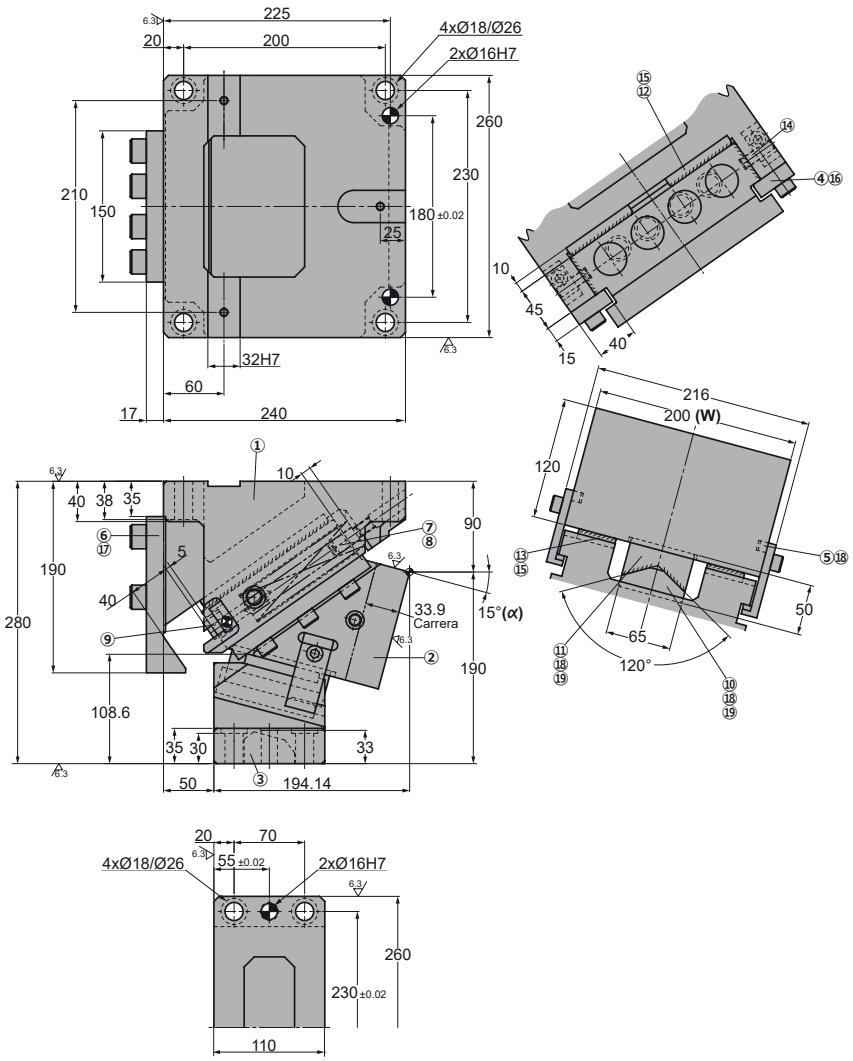
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

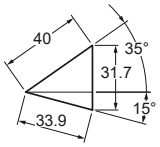
Aerial cam for pierce and flange

AZOL GAS

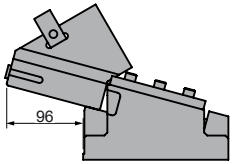
ABKL 0200 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.9	93.1 (9.5)	186.2 (19.0)	626.6 (63.9)	5639.4 (575.1)	ABKL	0200	15

Order: Model (W) (α)

ABKL 0200 15

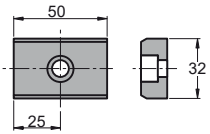
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

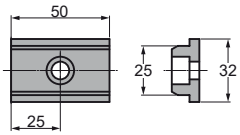
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 15-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-175
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

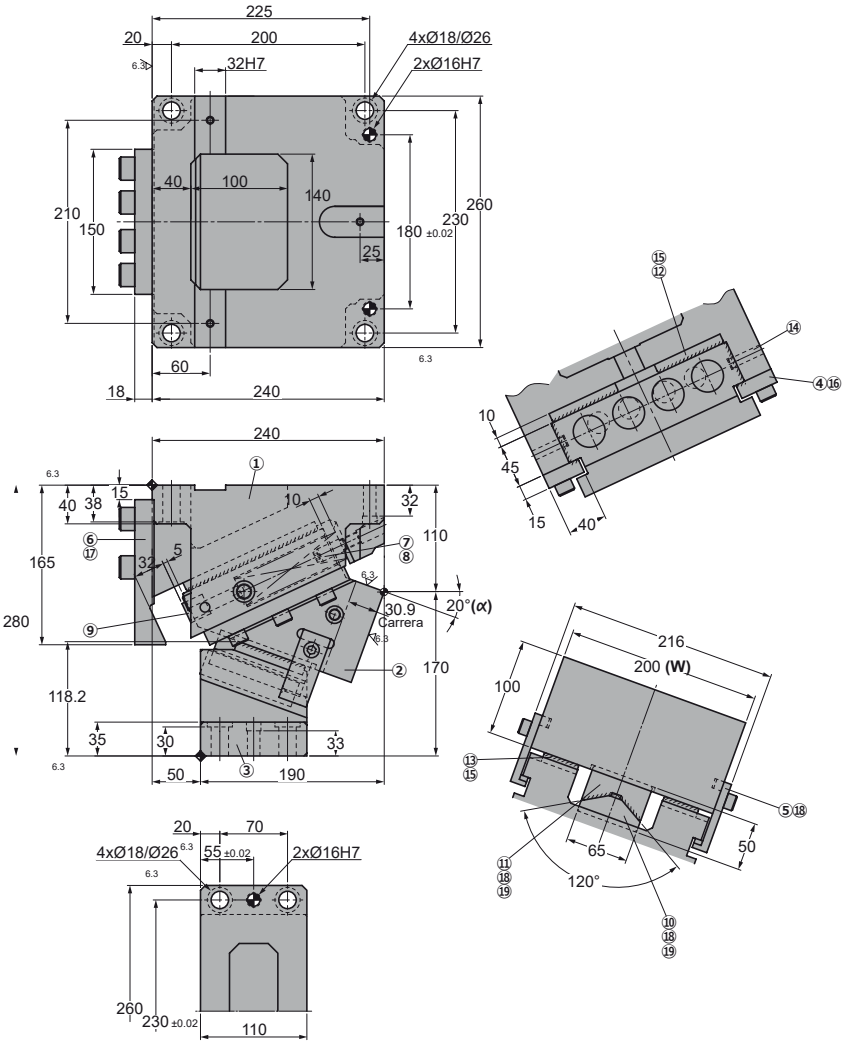
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

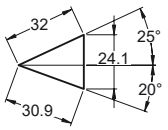
Aerial cam for pierce and flange

AZOL GAS

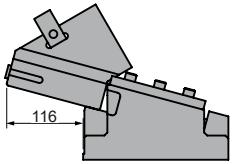
ABKL 0200 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
30.9	93.1 (9.5)	186.2 (19.0)	438.6 (44.7)	5117.0 (521.8)	ABKL	0200	20

Order: Model (W) (α)

ABKL 0200 20

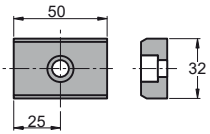
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

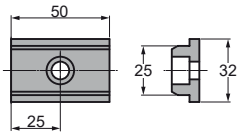
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 20-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

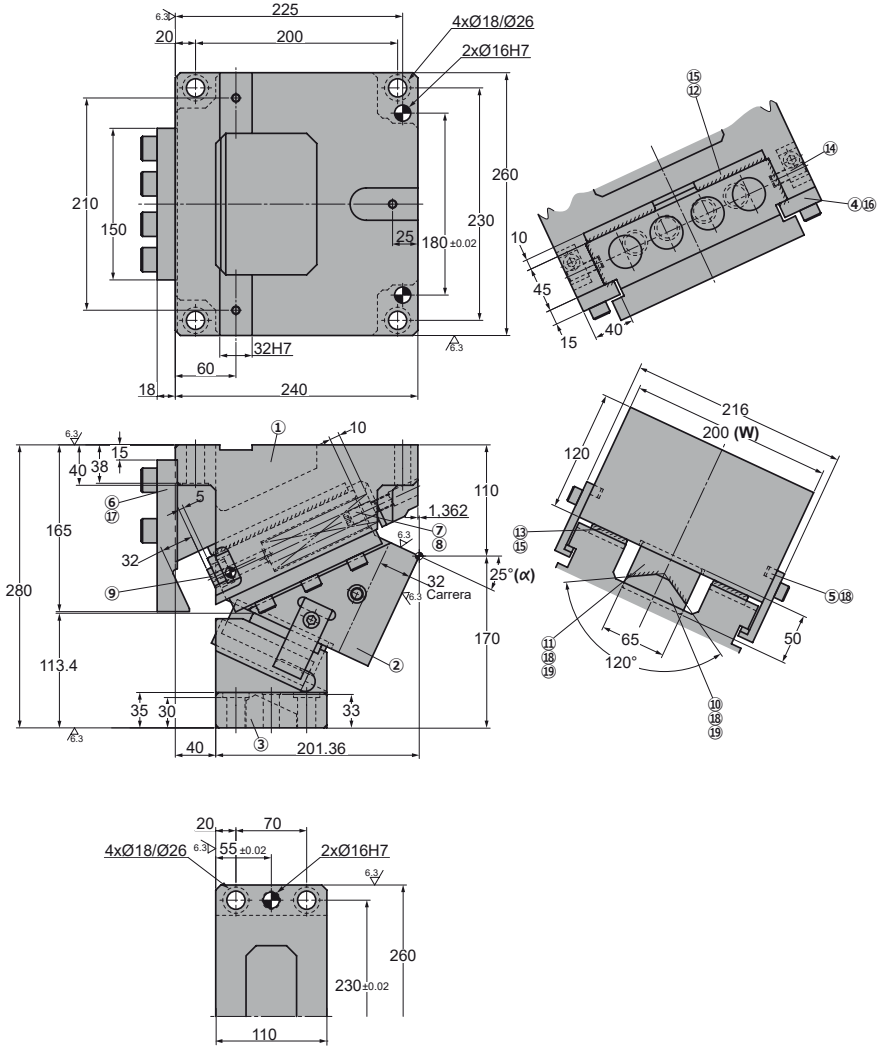
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

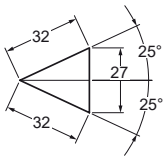
Aerial cam for pierce and flange

AZOL GAS

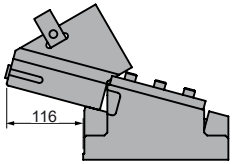
ABKL 0200 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
32.0	93.1 (9.5)	186.2 (19.0)	438.6 (44.7)	5117.0 (521.8)	ABKL	0200	25

Order: Model (W) (α)

ABKL 0200 25

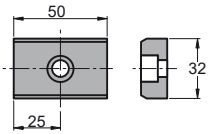
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

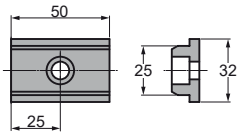
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 25-K

SPARE PARTS:

⑧ Coil Spring
⑩ Lower Slide Guide
⑪ Upper Slide Guide
⑫ Upper Slide Plate
⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-150
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

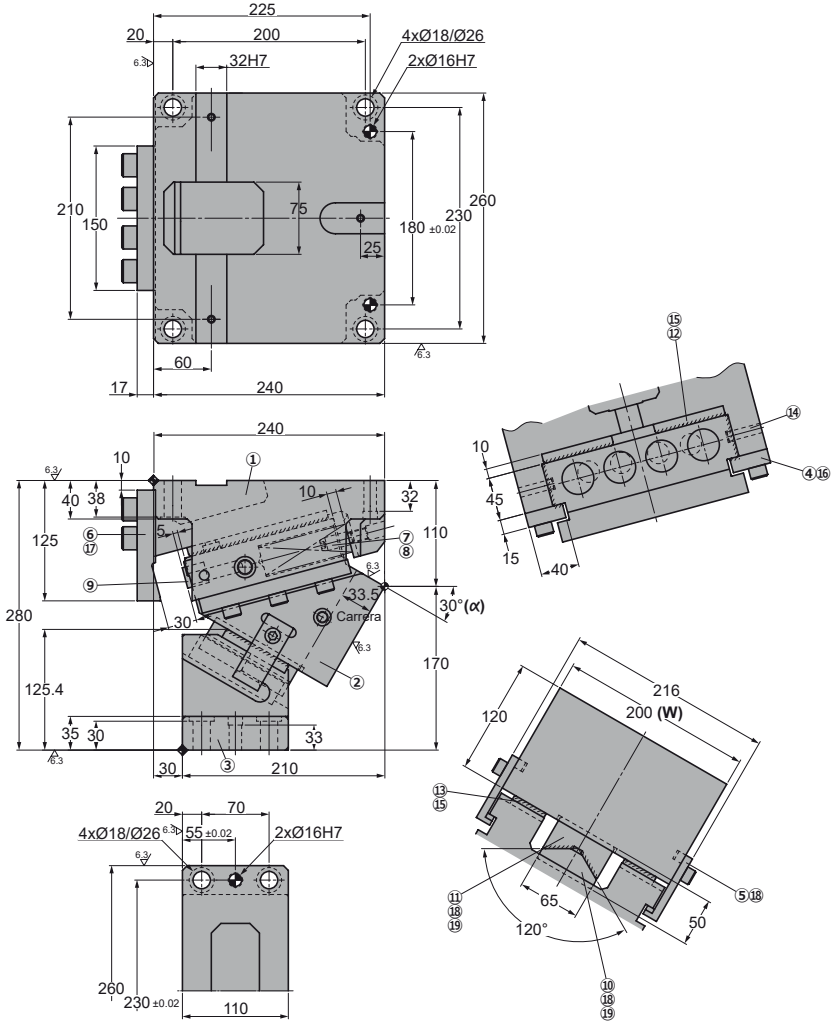
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

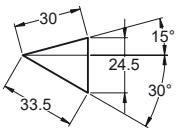
Aerial cam for pierce and flange

AZOL GAS

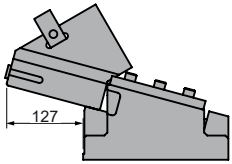
ABKL 0200 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
33.5	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	30

Order: Model (W) (α)

ABKL 0200 30

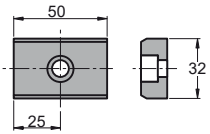
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

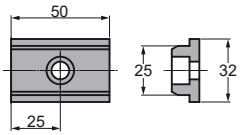
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

ABKL 0200 30-K

SPARE PARTS:

⑧ Coil Spring
⑩ Lower Slide Guide
⑪ Upper Slide Guide
⑫ Upper Slide Plate
⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

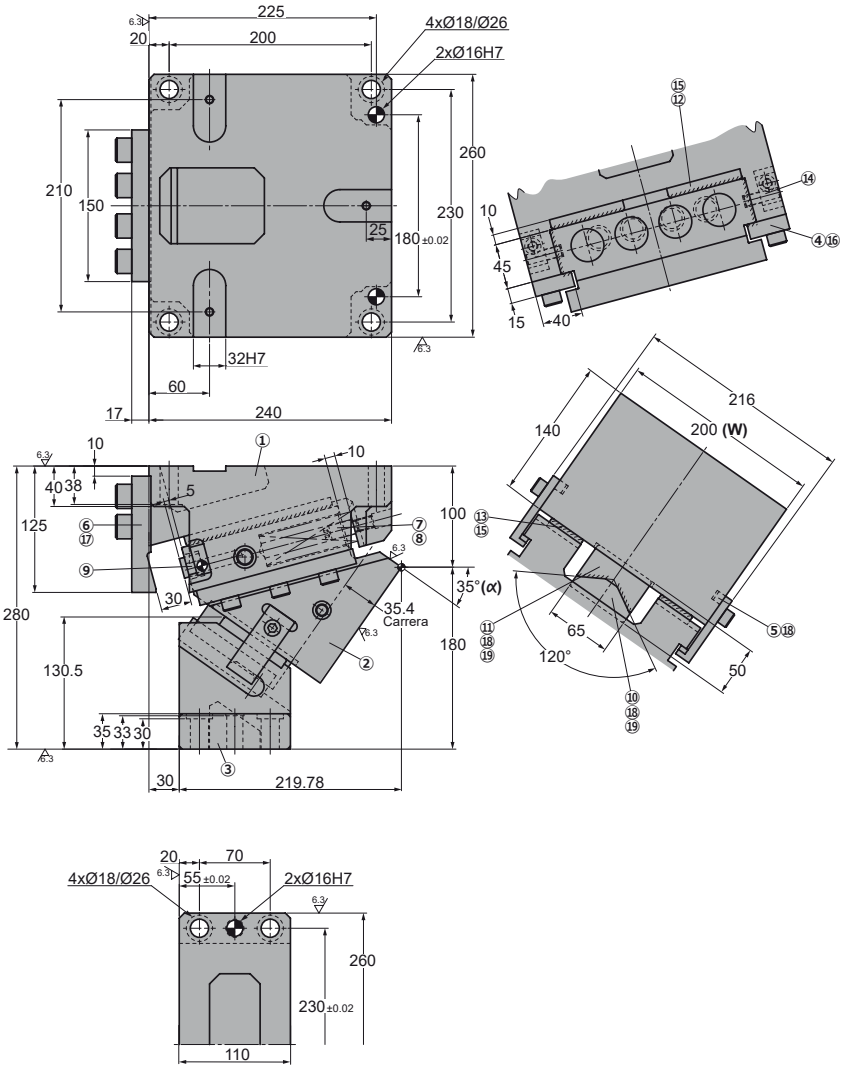
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	8	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

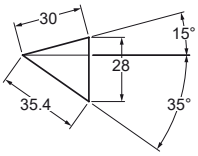
Aerial cam for pierce and flange

AZOL GAS

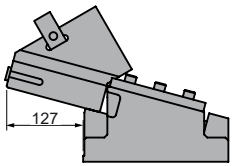
ABKL 0200 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
35.3	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	35

Order: Model (W) (α)

ABKL 0200 35

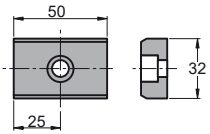
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

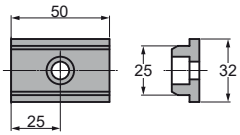
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 35-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

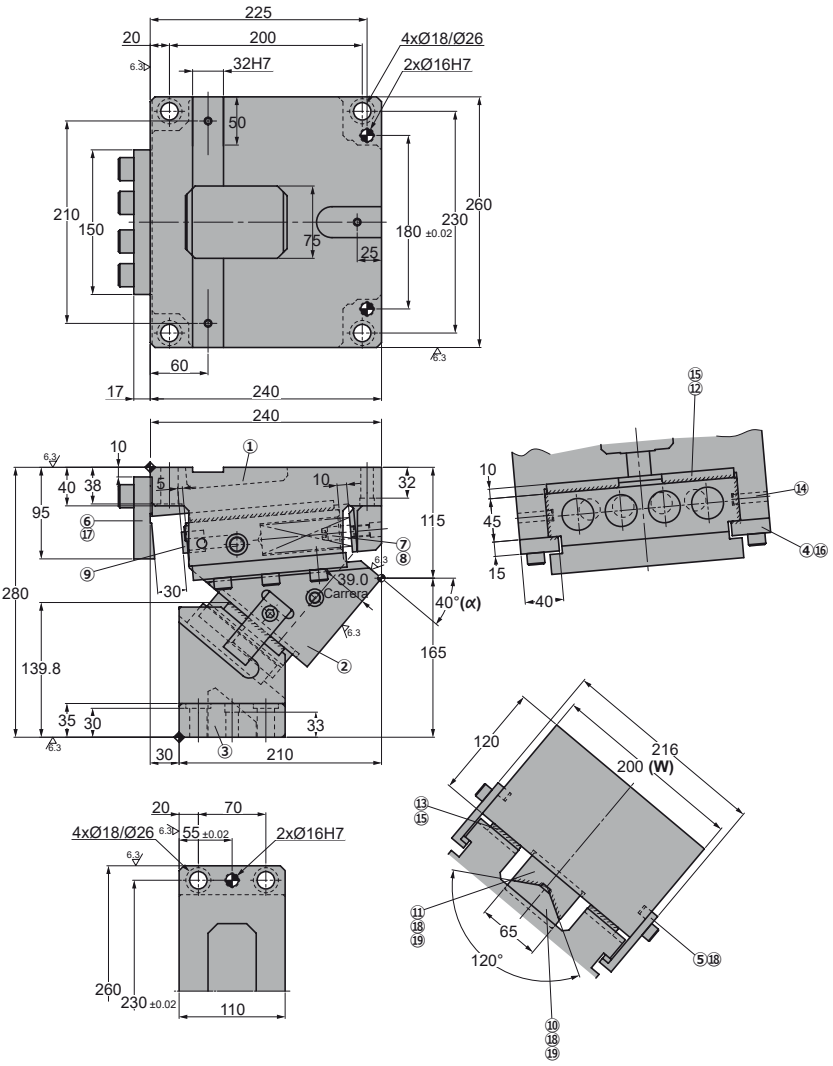
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

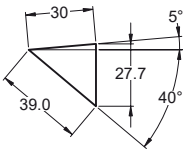
Aerial cam for pierce and flange

AZOL GAS

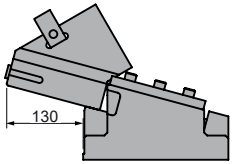
ABKL 0200 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
39.0	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	40

Order: Model (W) (α)

ABKL 0200 40

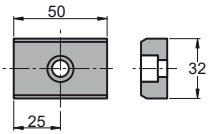
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

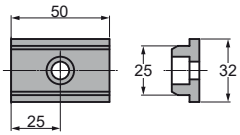
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 40-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

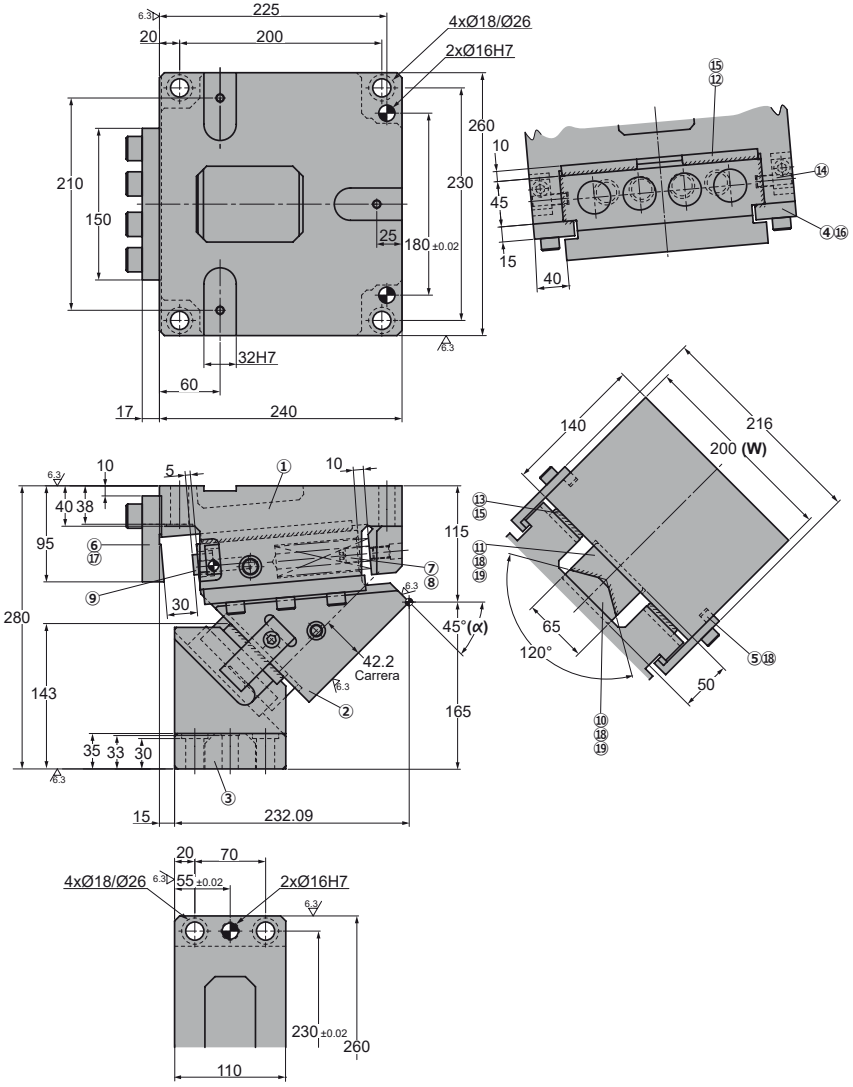
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

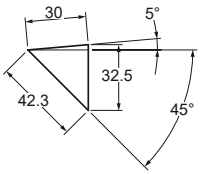
Aerial cam for pierce and flange

AZOL GAS

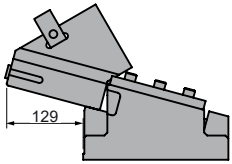
ABKL 0200 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
42.2	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	45

Order: Model (W) (α)

ABKL 0200 45

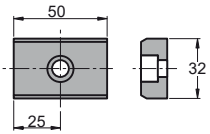
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

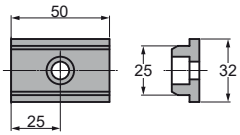
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 45-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

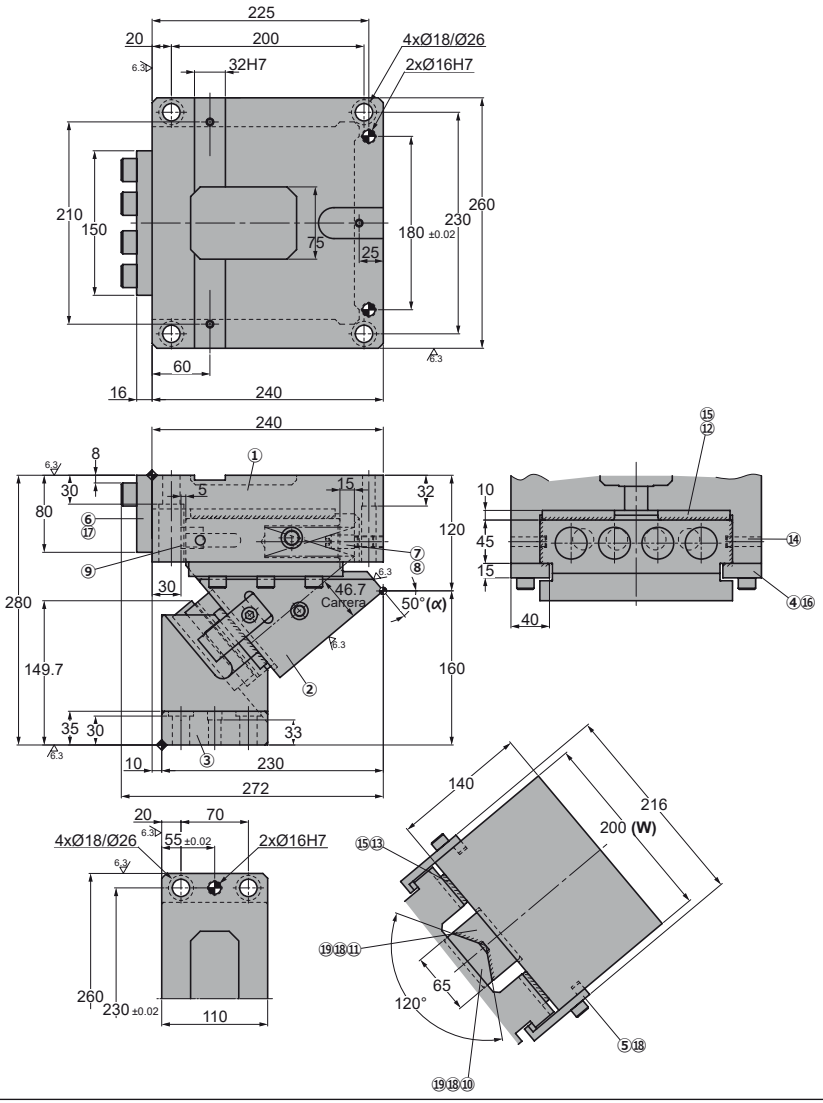
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

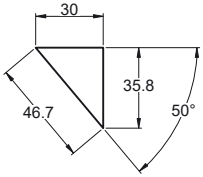
Aerial cam for pierce and flange

AZOL GAS

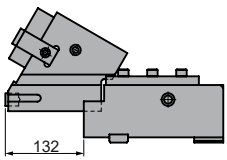
ABKL 0200 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
46.7	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	50

Order: Model (W) (α)

ABKL 0200 50

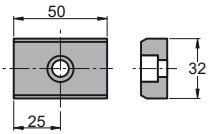
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

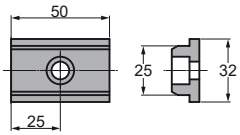
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 50-K

SPARE PARTS:

⑧ Coil Spring
⑩ Lower Slide Guide
⑪ Upper Slide Guide
⑫ Upper Slide Plate
⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

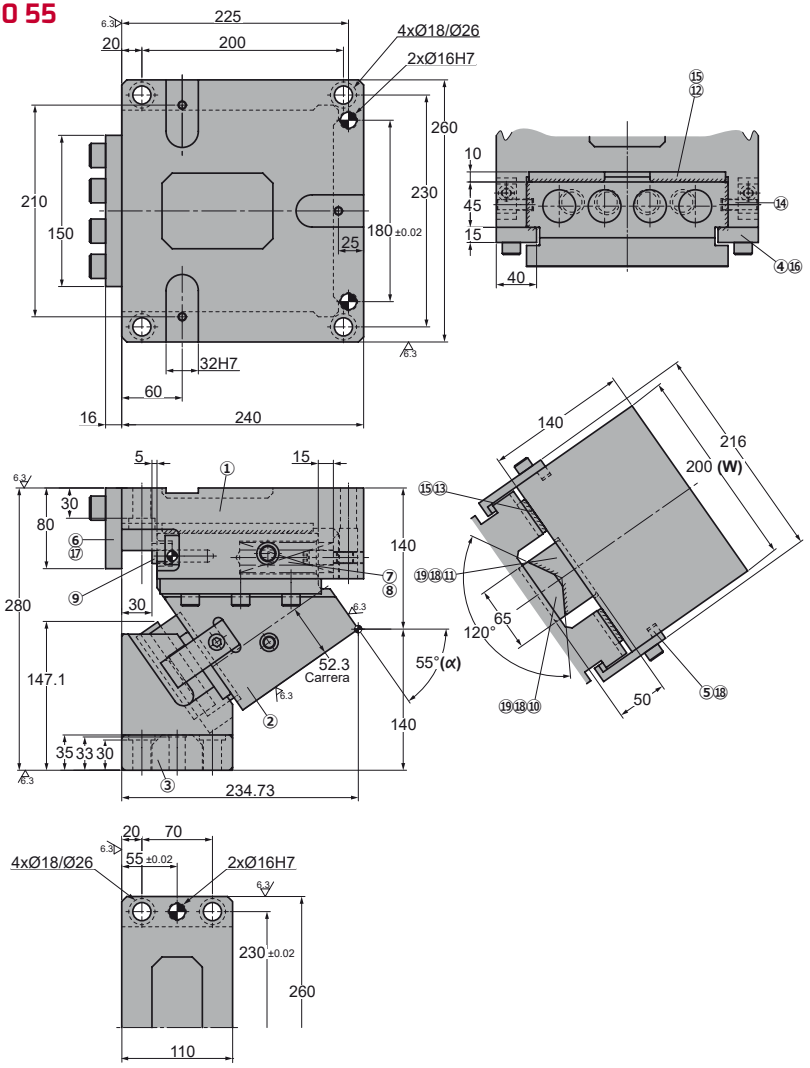
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

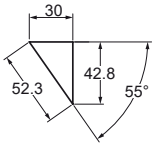
Aerial cam for pierce and flange

AZOL GAS

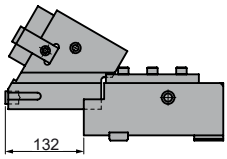
ABKL 0200 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
52.3	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	55

Order: Model (W) (α)

ABKL 0200 55

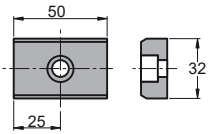
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

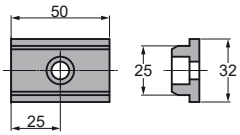
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 55-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

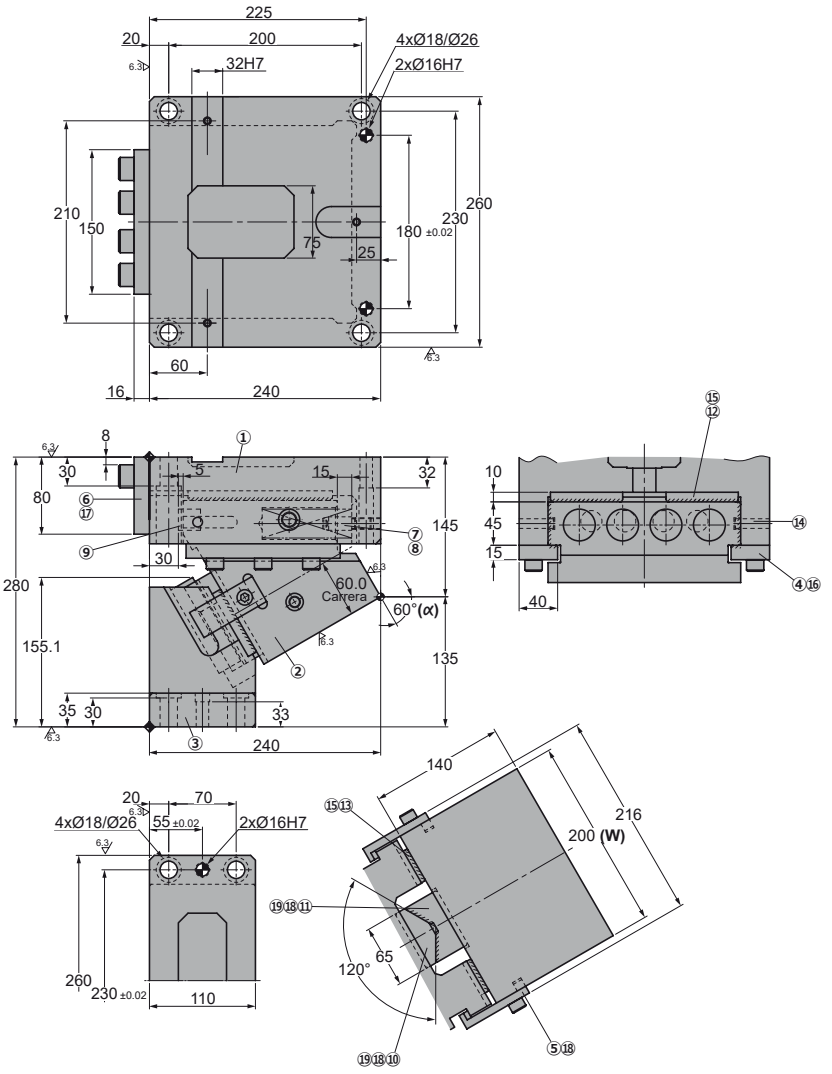
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

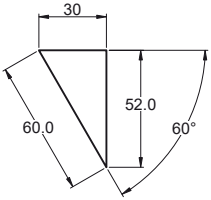
Aerial cam for pierce and flange

AZOL GAS

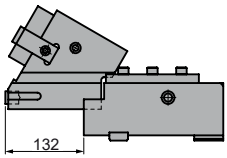
ABKL 0200 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
60.0	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	60

Order: Model (W) (α)

ABKL 0200 60

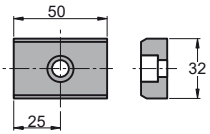
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

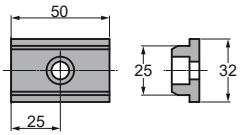
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 60-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

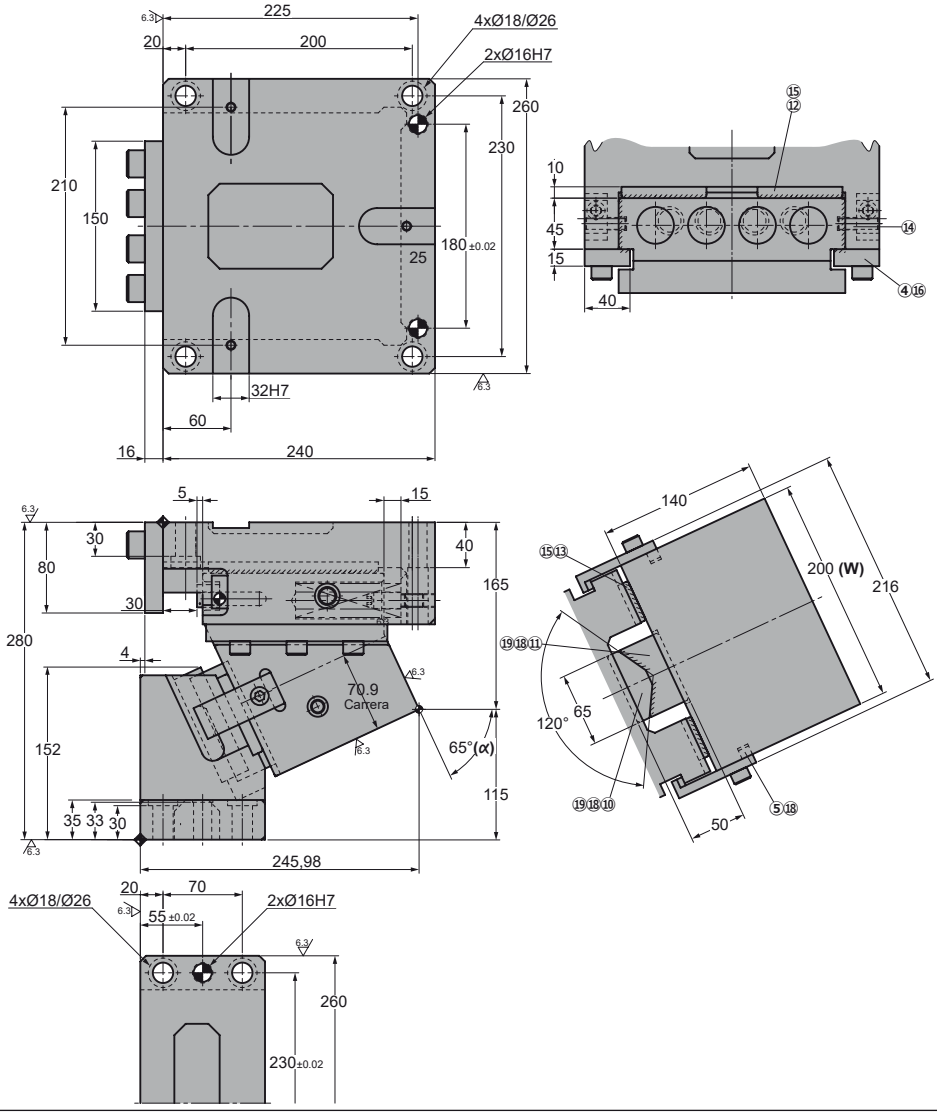
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

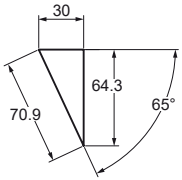
Aerial cam for pierce and flange

AZOL GAS

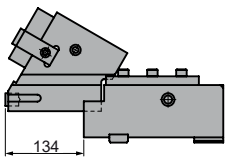
ABKL 0200 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
70.9	93.1 (9.5)	186.2 (19.0)	350.9 (35.8)	5614.1 (572.5)	ABKL	0200	65

Order: Model (W) (α)

ABKL 0200 65

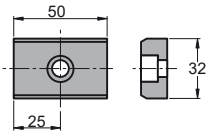
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

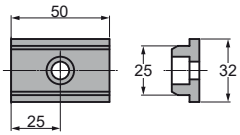
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 65-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-125
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

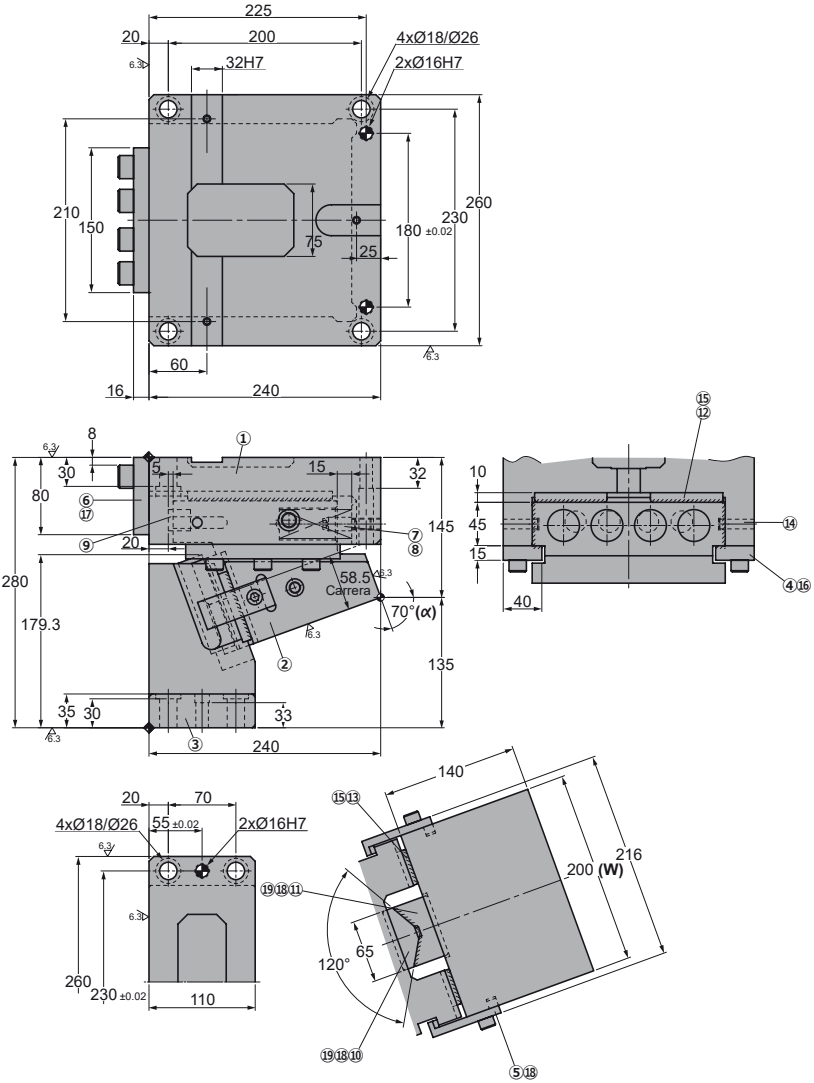
No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

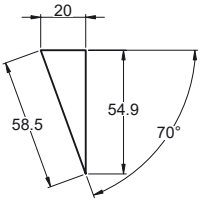
Aerial cam for pierce and flange

AZOL GAS

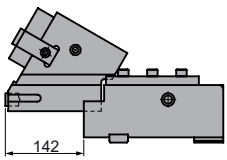
ABKL 0200 70



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ABKL 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Model	W (mm)	α (mm)
58.5	93.1 (9.5)	186.2 (19.0)	1096.6 (111.8)	5483.0 (559.1)	ABKL	0200	70

Order: Model (W) (α)

ABKL 0200 70

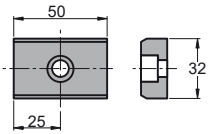
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

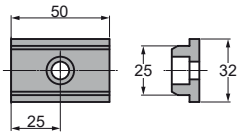
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

ABKL 0200 70-K

SPARE PARTS:

- ⑧ Coil Spring
- ⑩ Lower Slide Guide
- ⑪ Upper Slide Guide
- ⑫ Upper Slide Plate
- ⑬ Cam Slider Plate

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slider Plate	2	CK45 + G
⑤	Positive Return	2	CK45
⑥	Stopper Plate	1	CK45
⑦	Spring guide	4	CK45
⑧	Coil Spring	4	TM30-100
⑨	Cushioning Stopper	4	Urethane
⑩	Lower Slide Guide	1	CK45
⑪	Upper Slide Guide	1	Bronze + G
⑫	Upper Slide Plate	2	Bronze + G
⑬	Cam Slider Plate	2	Bronze + G
⑭	Screw	2	M10 x 25
⑮	Screw	8	M10 x 20

No.	Description	Qty.	Material
⑯	Screw	6	M12 x 35
⑰	Screw	4	M16 x 45
⑱	Screw	6	M10 x 30
⑲	Dowel Pin	4	Ø10 x 25

ABKL 0200

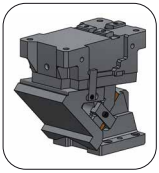
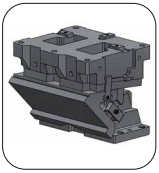
Aerial cam for pierce and flange

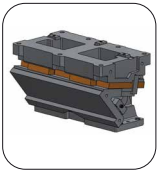
AZOL GAS

AWBC

Aerial cam for pierce and flange

General information

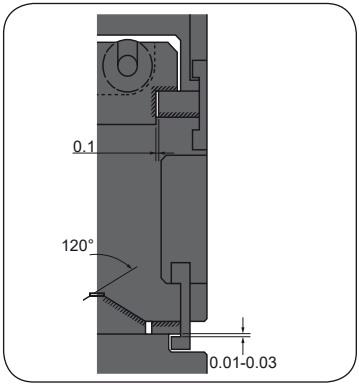





AWBC 0200
AWBC 0300
AWBC 0400
AWBC 0500
AWBC 0600

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.

Adjustment clearances

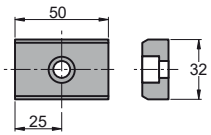


AWBC 0200
AWBC 0300
AWBC 0400
AWBC 0500
AWBC 0600

Keys

K

AWBC 0200 / 0300 / 0400 / 0500 / 0600



AWBC

Aerial cam for pierce and flange

AZOL GAS

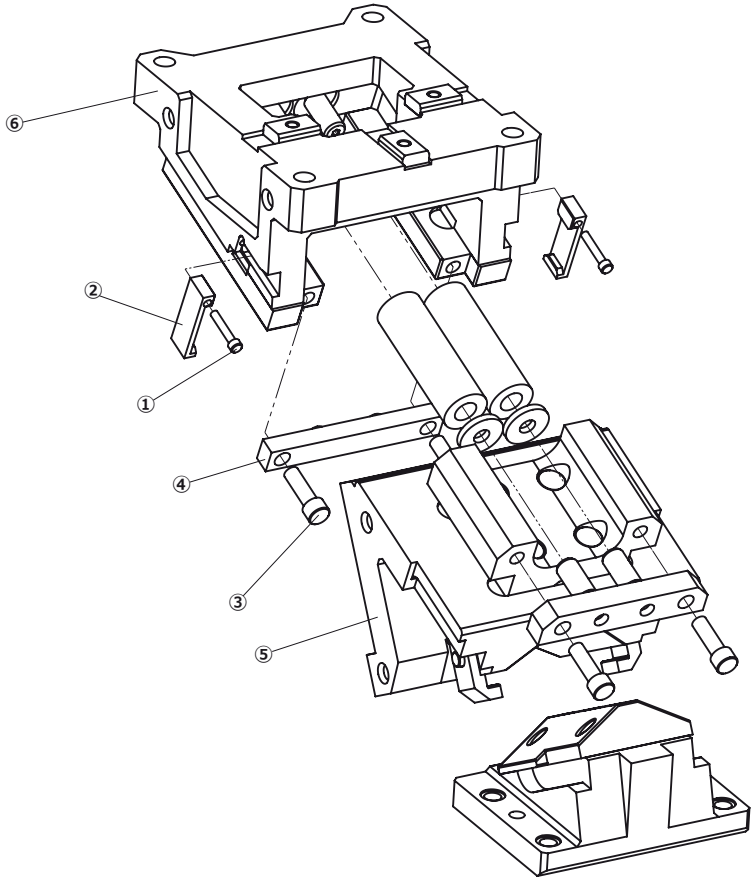
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove extraction plates ②.
- Unscrew ③ and remove stopper plate ④.
- Push cam slider ⑤ and remove cam support ⑥.

Assembling process

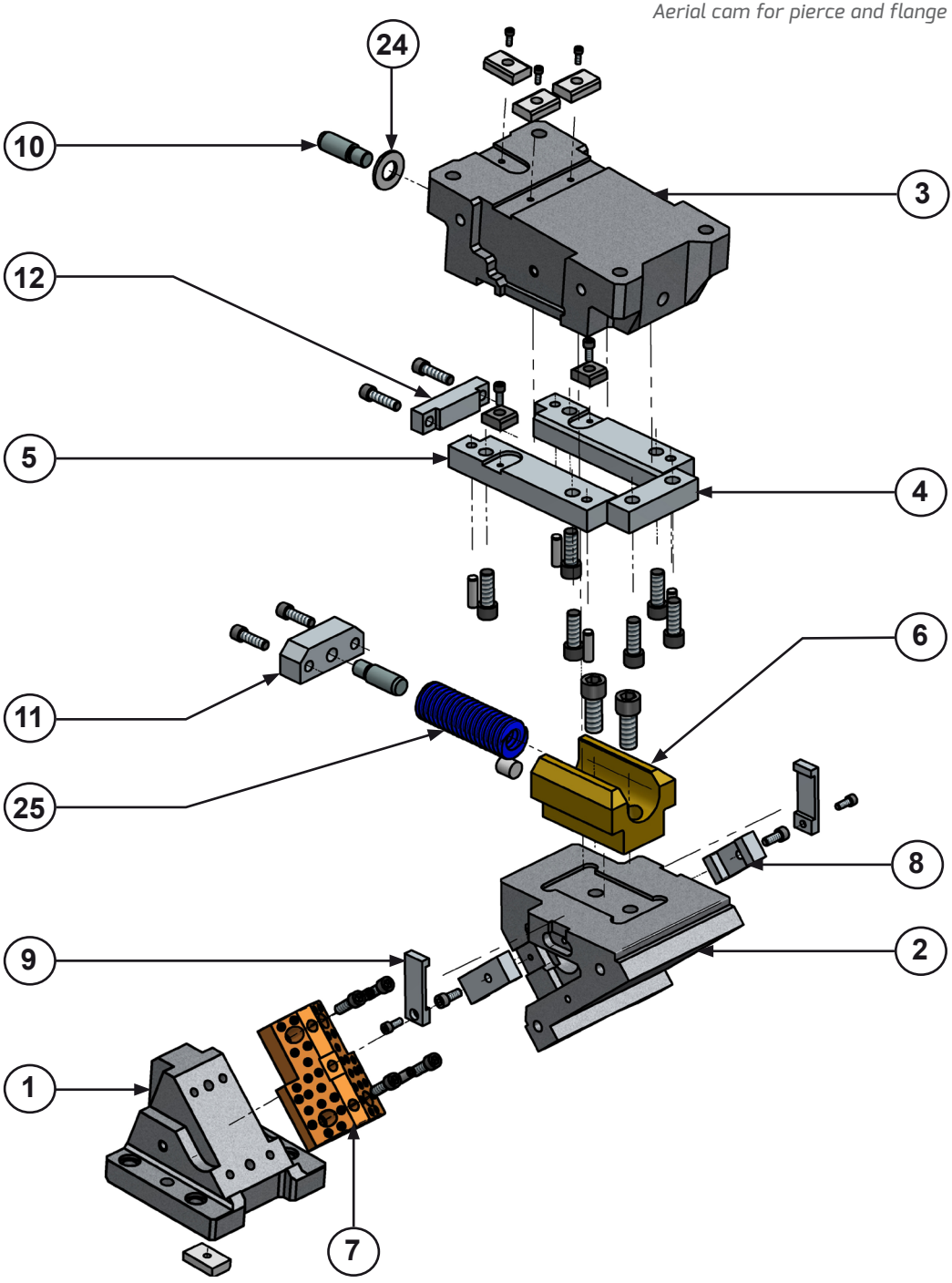
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

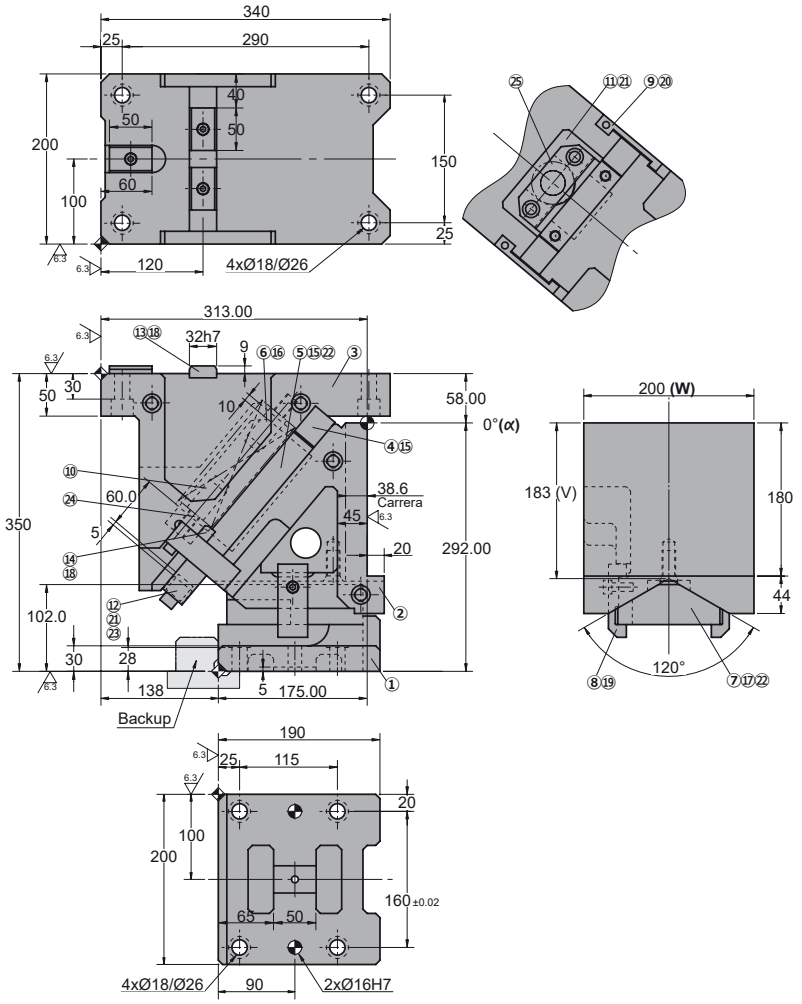


AWBC 0200

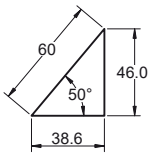
Aerial cam for pierce and flange

AZOL GAS

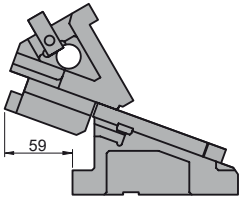
AWBC 0200 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	95.0	AWBC	0200	00
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

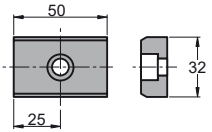
AWBC 0200 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

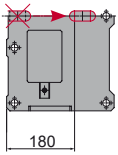
K - KF KEY

K



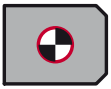
4 x M8x15

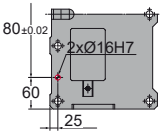
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 00-K

AWBC 0200 00-G-P16

AWBC 0200 00-G-P16-K

AWBC 0200 00-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

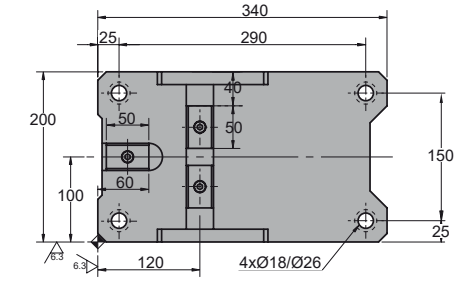
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

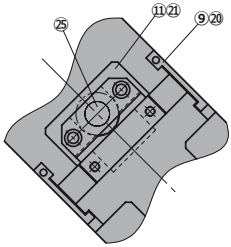
AWBC 0200

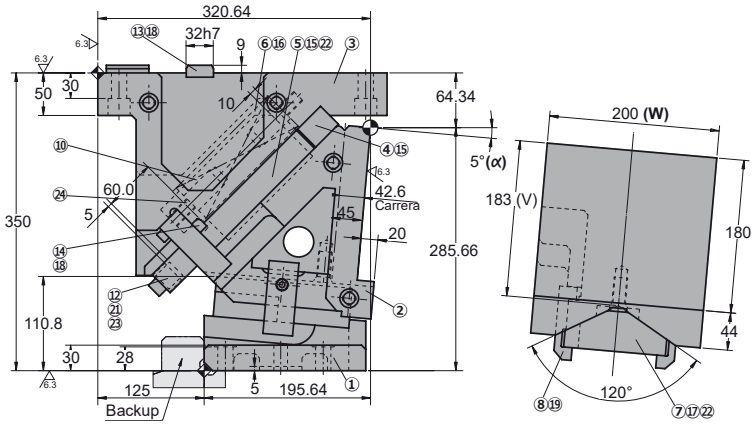
Aerial cam for pierce and flange

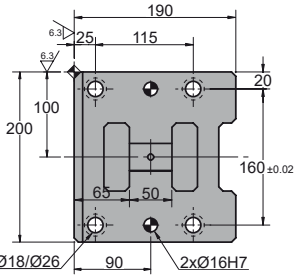
AZOL GAS

AWBC 0200 05

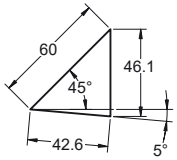




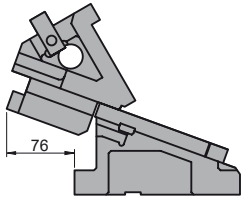




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	0200	05
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 05

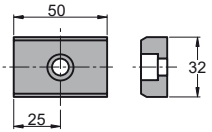
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

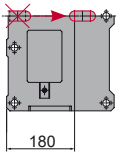
KEY

K



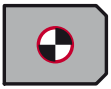
4 x M8x15

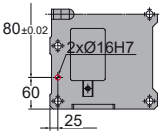
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 05-K

AWBC 0200 05-G-P16

AWBC 0200 05-G-P16-K

AWBC 0200 05-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

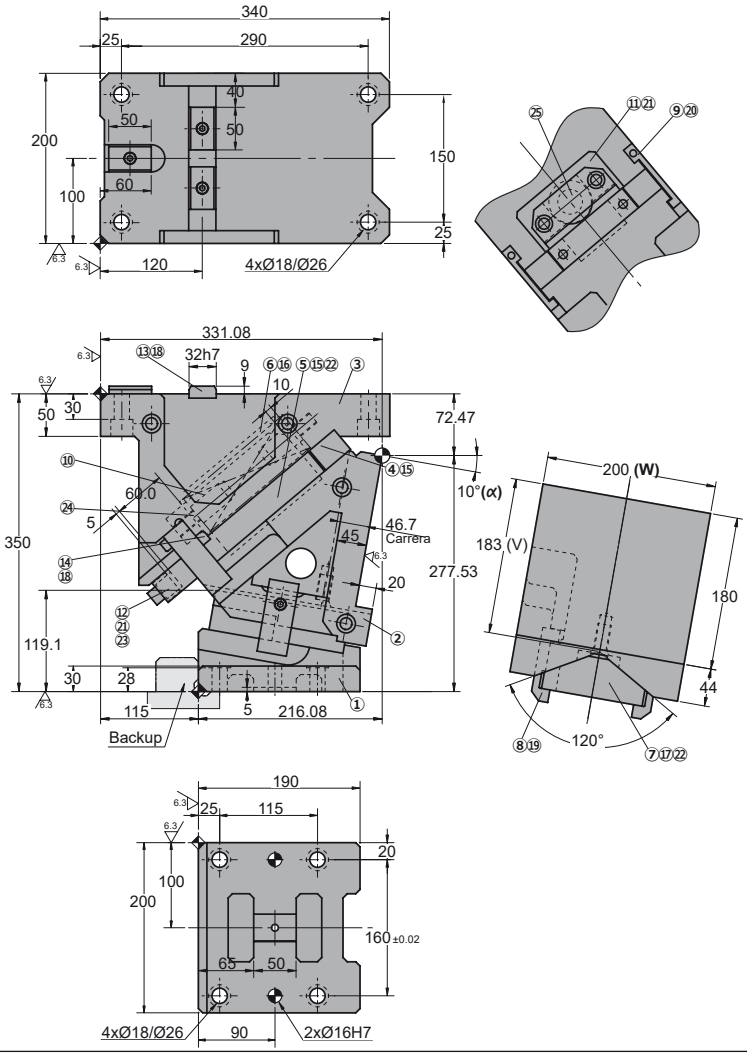
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

AWBC 0200

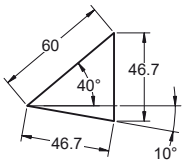
Aerial cam for pierce and flange

AZOL GAS

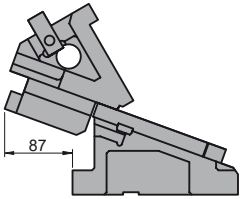
AWBC 0200 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.6	AWBC	0200	10
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 10

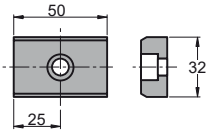
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

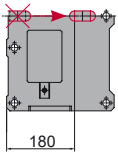
KEY

K



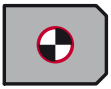
4 x M8x15

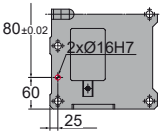
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 10-K

AWBC 0200 10-G-P16

AWBC 0200 10-G-P16-K

AWBC 0200 10-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

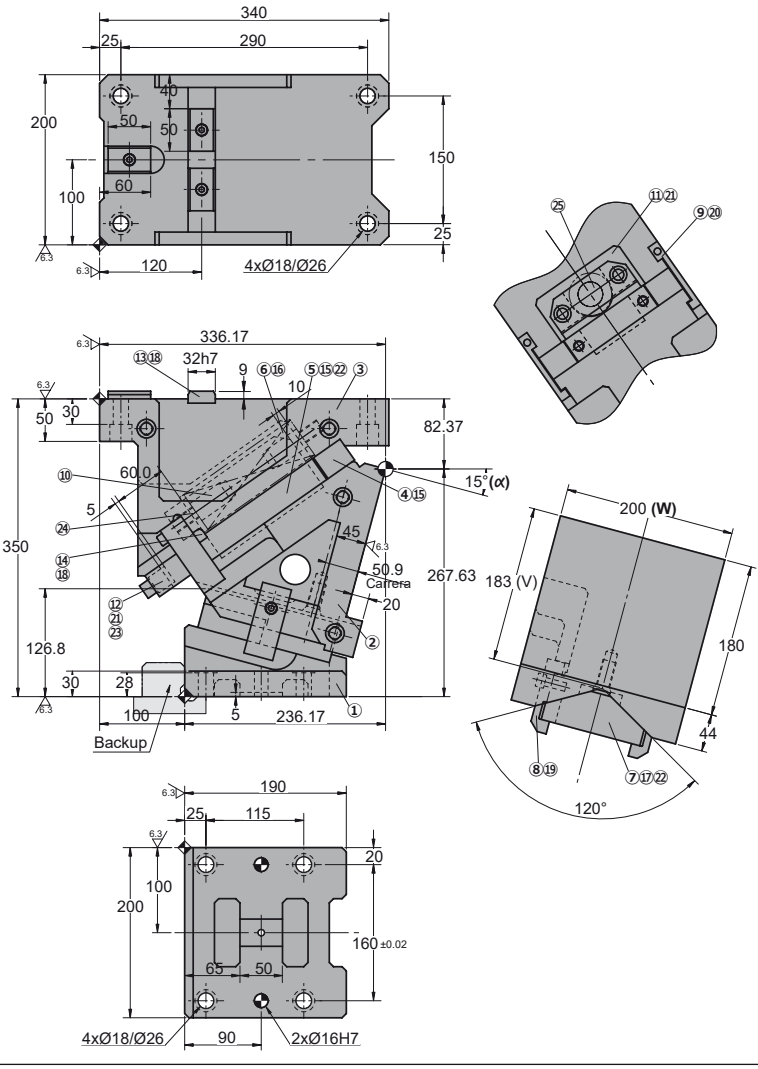
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

AWBC 0200

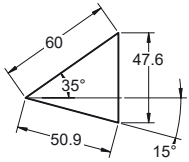
Aerial cam for pierce and flange

AZOL GAS

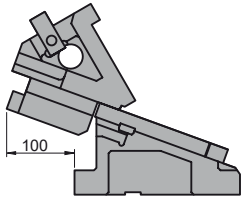
AWBC 0200 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.3	AWBC	0200	15
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 15

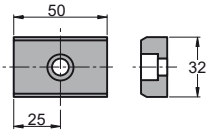
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

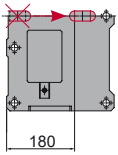
KEY

K



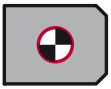
4 x M8x15

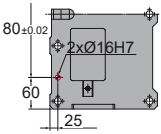
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 15-K

AWBC 0200 15-G-P16

AWBC 0200 15-G-P16-K

AWBC 0200 15-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

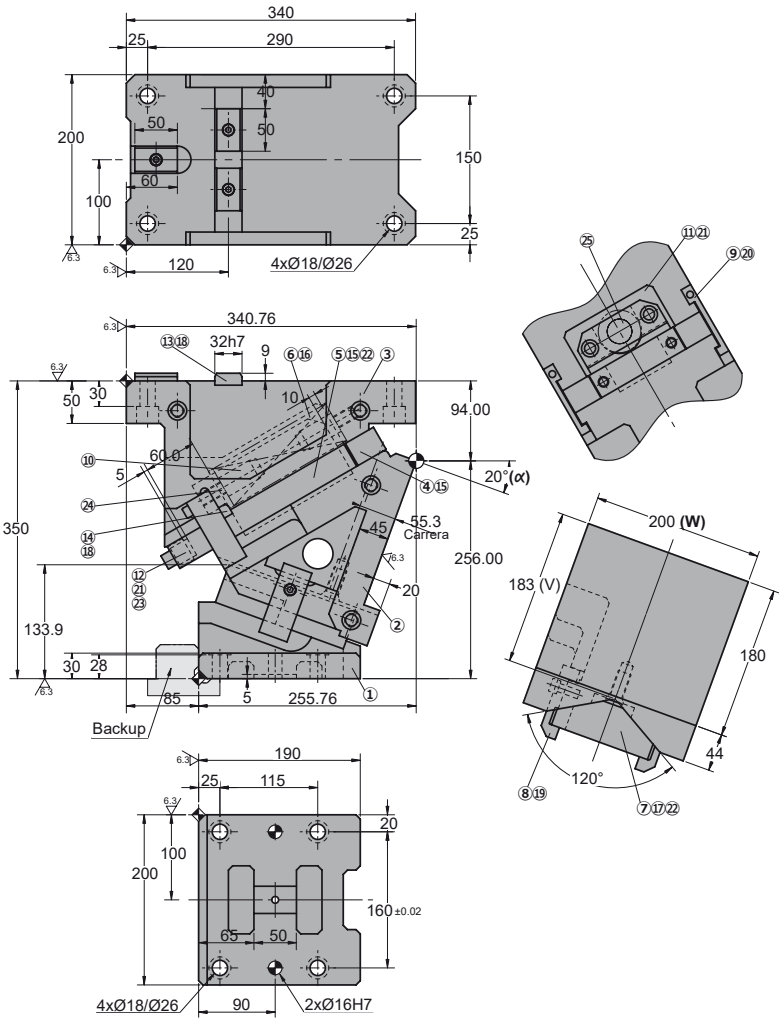
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

AWBC 0200

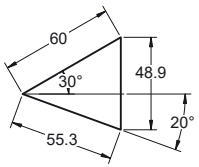
Aerial cam for pierce and flange

AZOL GAS

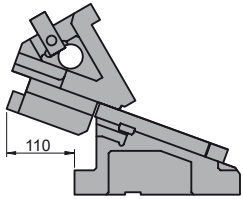
AWBC 0200 20



◦**Cam diagram:**



◦**Disassembling space:**



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	20
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 20

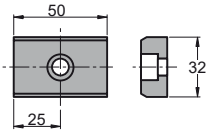
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

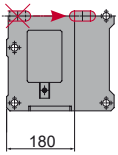
KEY

K



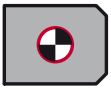
4 x M8x15

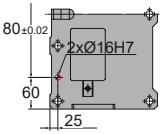
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 20-K

AWBC 0200 20-G-P16

AWBC 0200 20-G-P16-K

AWBC 0200 20-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

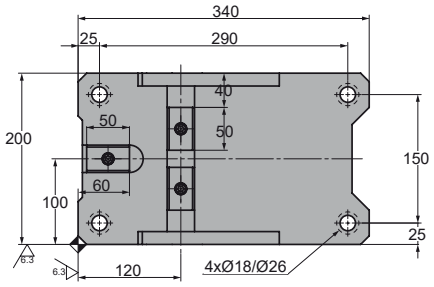
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

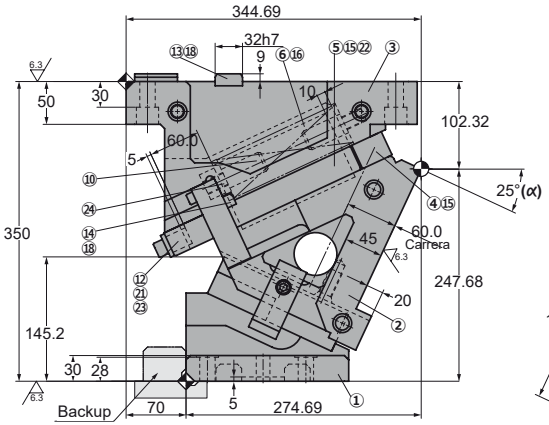
AWBC 0200

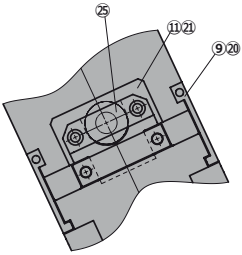
Aerial cam for pierce and flange

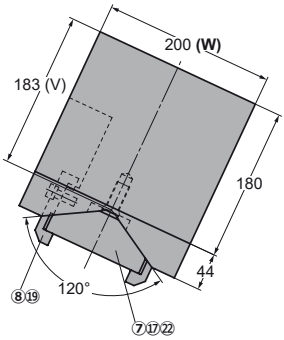
AZOL GAS

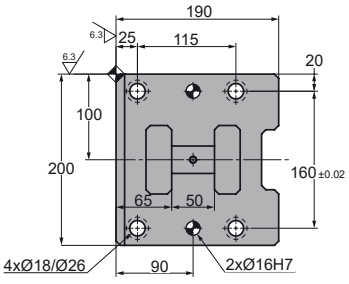
AWBC 0200 25



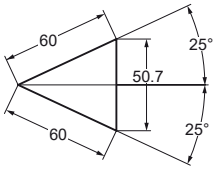




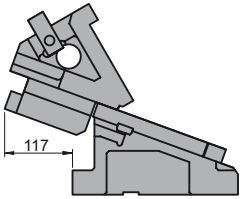




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	25
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 25

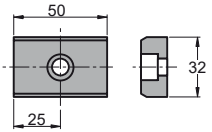
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

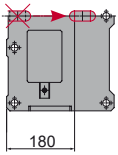
KEY

K



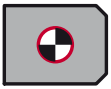
4 x M8x15

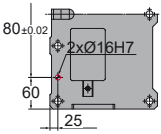
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 25-K

AWBC 0200 25-G-P16

AWBC 0200 25-G-P16-K

AWBC 0200 25-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

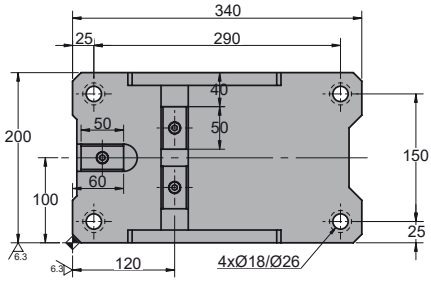
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

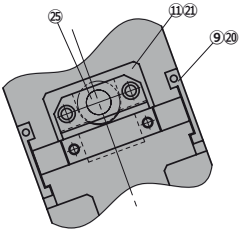
AWBC 0200

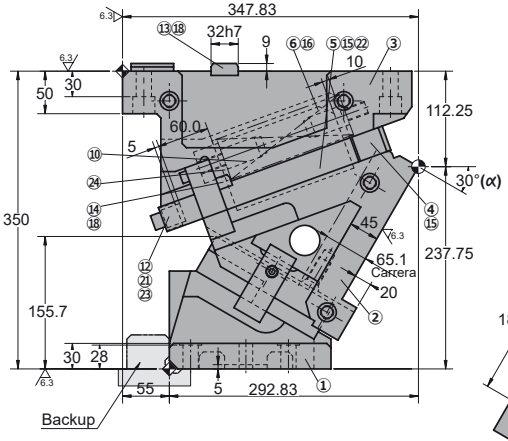
Aerial cam for pierce and flange

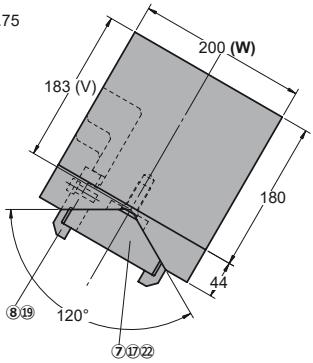
AZOL GAS

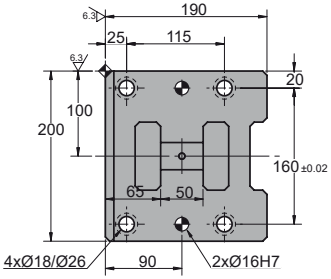
AWBC 0200 30



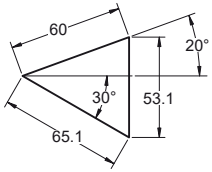




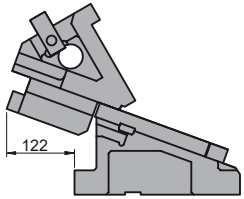




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	92.7	AWBC	0200	30
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 30

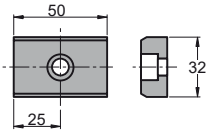
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

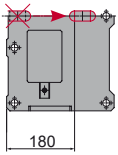
KEY

K



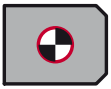
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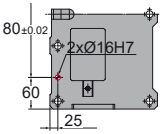
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 30-K

AWBC 0200 30-G-P16

AWBC 0200 30-G-P16-K

AWBC 0200 30-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

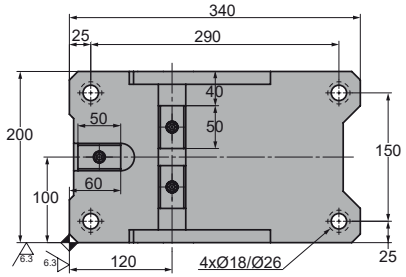
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

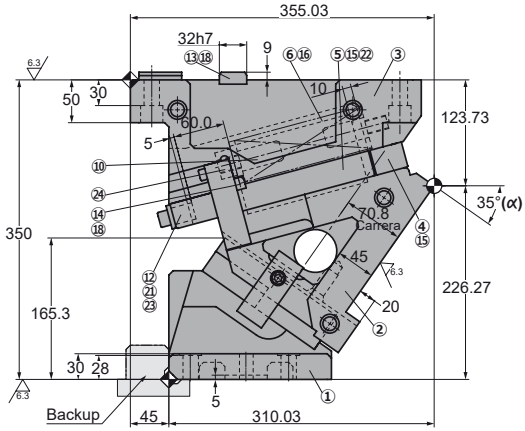
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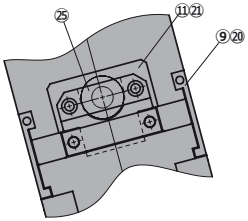
Aerial cam for pierce and flange

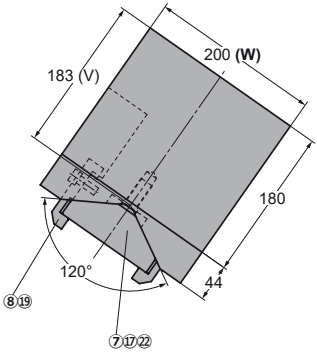
AZOL GAS

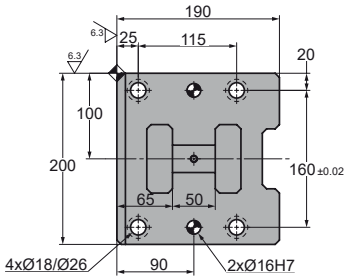
AWBC 0200 35



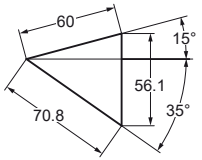




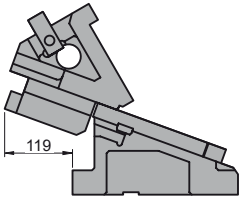




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.8	AWBC	200	35
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 35

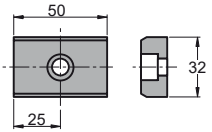
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

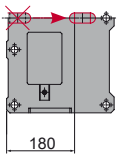
KEY

K



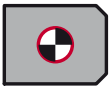
4 x M8x15

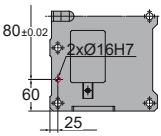
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 35-K

AWBC 0200 35-G-P16

AWBC 0200 35-G-P16-K

AWBC 0200 35-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

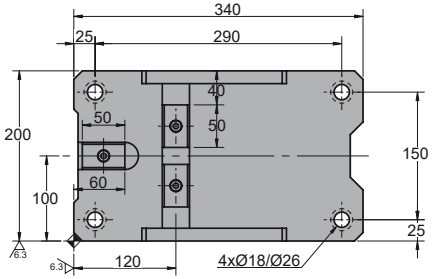
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

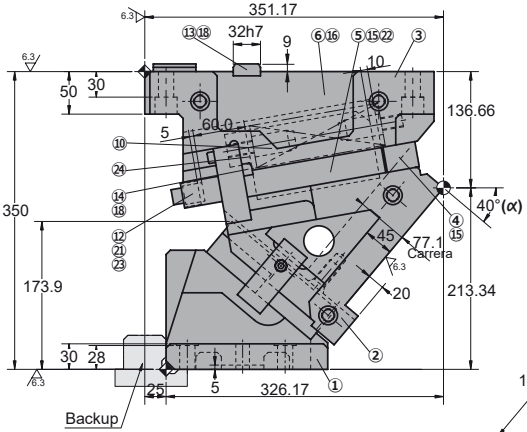
AWBC 0200

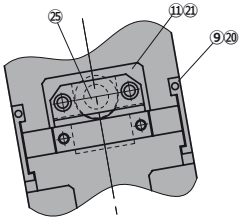
Aerial cam for pierce and flange

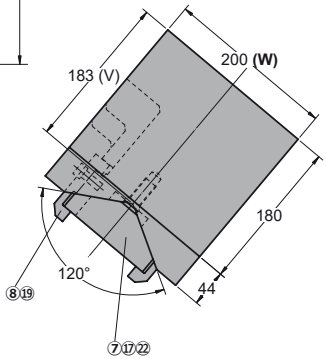
AZOL GAS

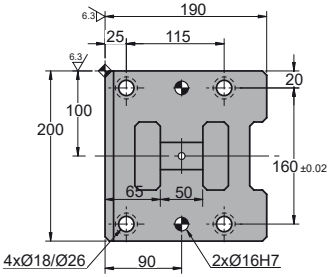
AWBC 0200 40



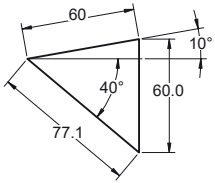




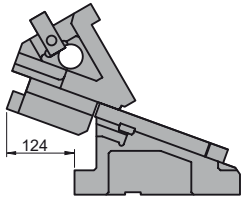




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	94.2	AWBC	0200	40
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 40

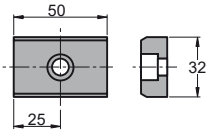
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

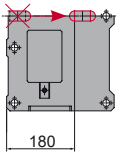
KEY

K



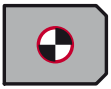
4 x M8x15

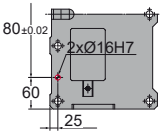
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 40-K

AWBC 0200 40-G-P16

AWBC 0200 40-G-P16-K

AWBC 0200 40-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

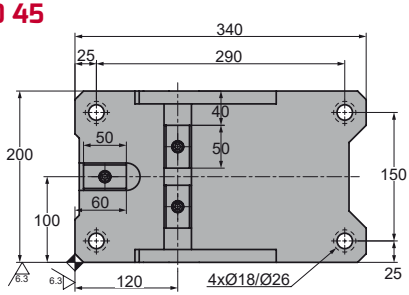
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

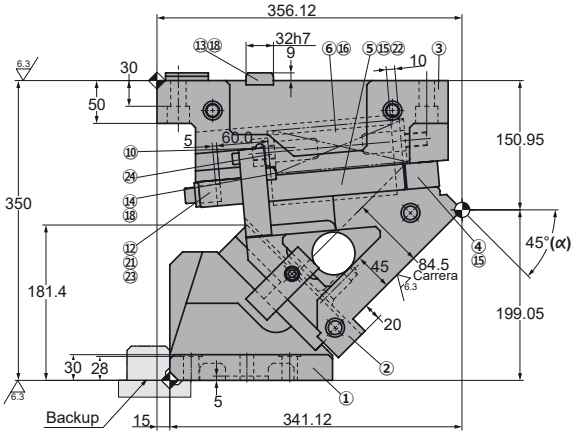
AWBC 0200

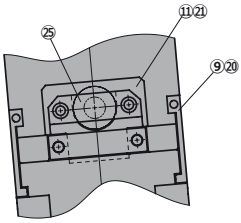
Aerial cam for pierce and flange

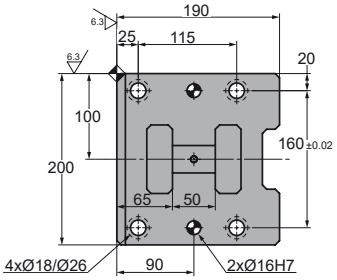
AZOL GAS

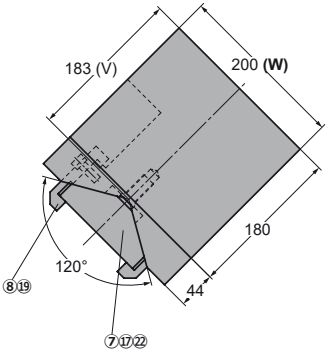
AWBC 0200 45



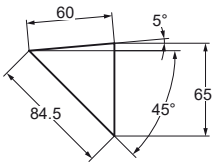




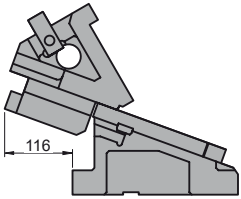




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	96.3	AWBC	200	45
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 45

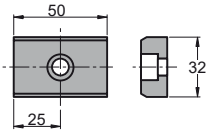
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

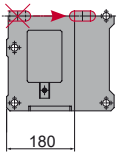
KEY

K



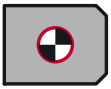
4 x M8x15

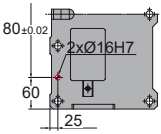
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 45-K

AWBC 0200 45-G-P16

AWBC 0200 45-G-P16-K

AWBC 0200 45-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

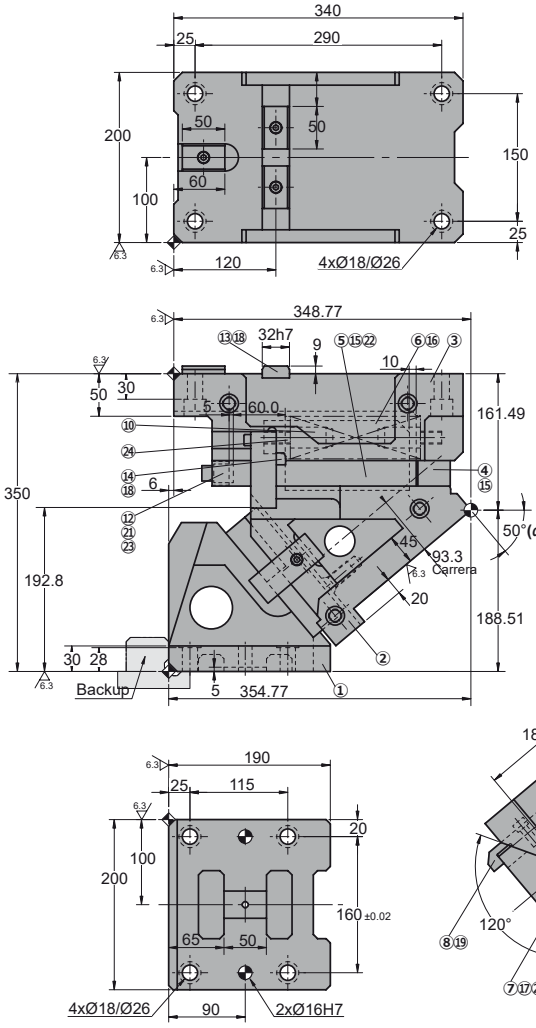
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

AWBC 0200

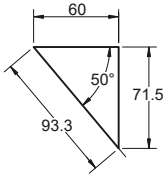
Aerial cam for pierce and flange

AZOL GAS

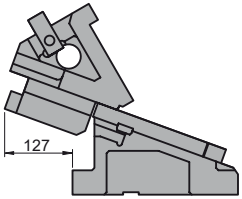
AWBC 0200 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	93.7	AWBC	0200	50
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

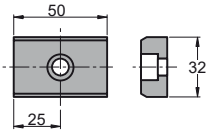
AWBC 0200 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

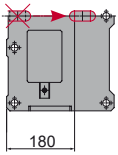
K - KF KEY

K



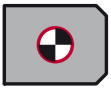
4 x M8x15

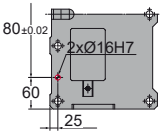
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 50-K

AWBC 0200 50-G-P16

AWBC 0200 50-G-P16-K

AWBC 0200 50-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

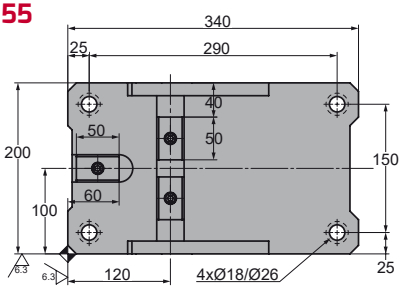
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

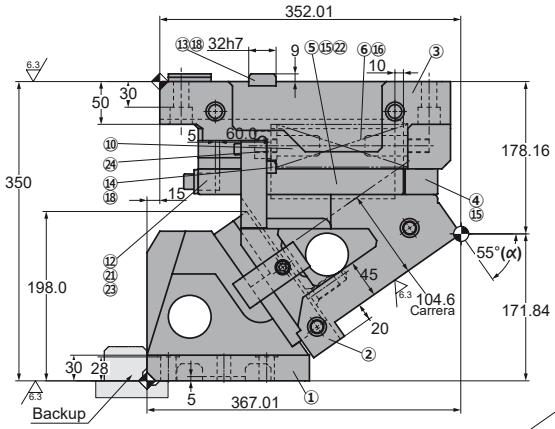
AWBC 0200

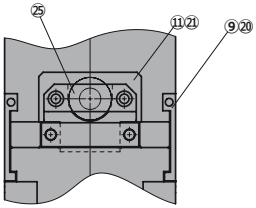
Aerial cam for pierce and flange

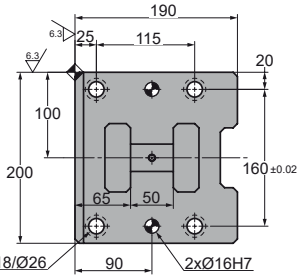
AZOL GAS

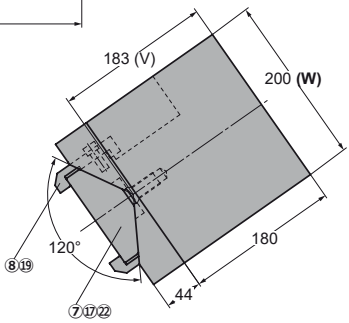
AWBC 0200 55



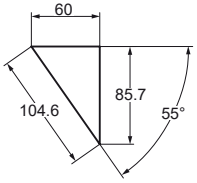




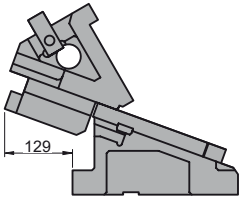




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	98.2	AWBC	200	55
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 55

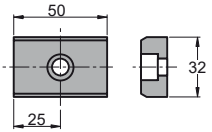
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

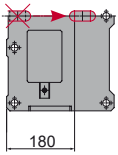
KEY

K



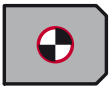
4 x M8x15

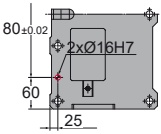
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 55-K

AWBC 0200 55-G-P16

AWBC 0200 55-G-P16-K

AWBC 0200 55-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

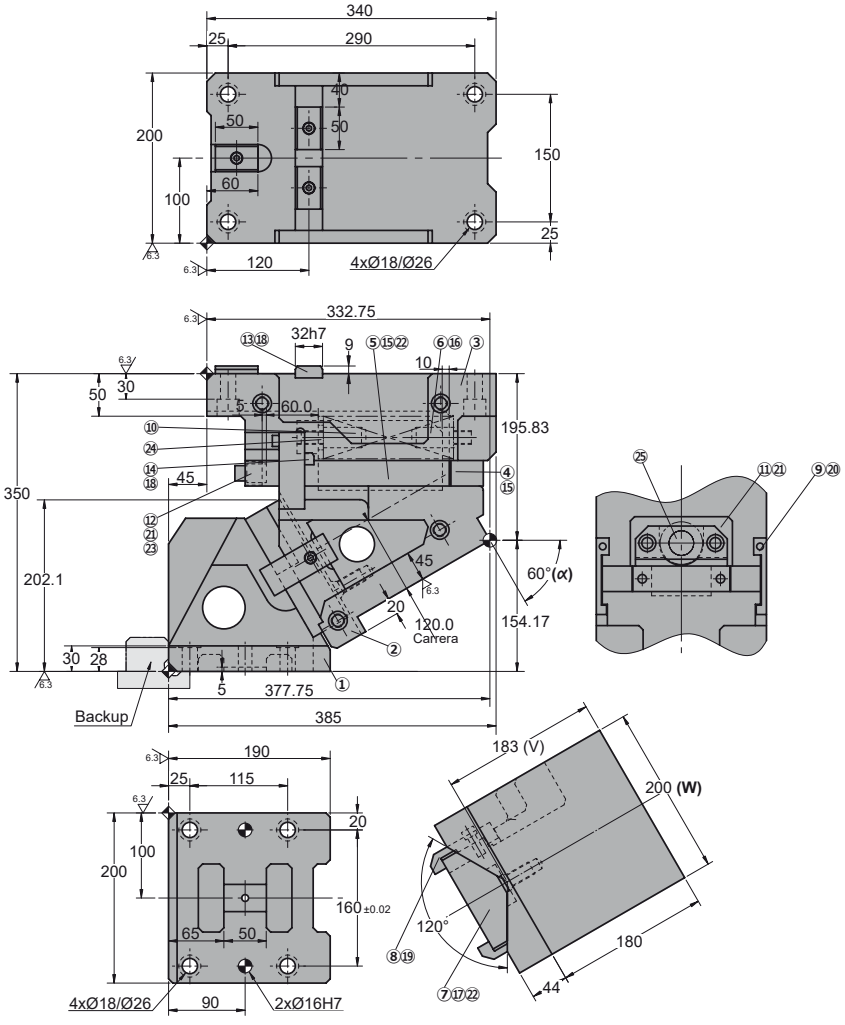
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

AWBC 0200

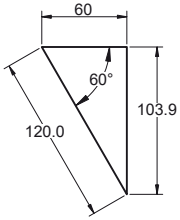
Aerial cam for pierce and flange

AZOL GAS

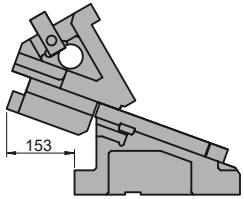
AWBC 0200 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	117.6 (12.0)	235.2 (24.0)	817.2 (83.3)	4903.2 (499.7)	97.3	AWBC	0200	60
			G ---	G 6729.7 (686.2)				

Order: Model (W) (α)

AWBC 0200 60

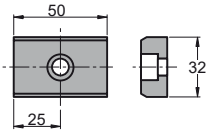
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

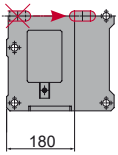
KEY

K



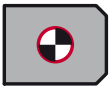
4 x M8x15

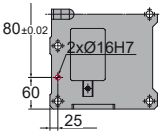
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0200 60-K

AWBC 0200 60-G-P16

AWBC 0200 60-G-P16-K

AWBC 0200 60-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slide Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slide Guide	1	Bronze
⑧	Positive Return A	2	CK45
⑨	Positive Return B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	2	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M12 x 40
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	1	Urethane
㉔	Washer	1	CK45
㉕	Coil Spring	1	TM50-225
㉕	Gas spring	1	FD 750 080 V1 (87 Bar)

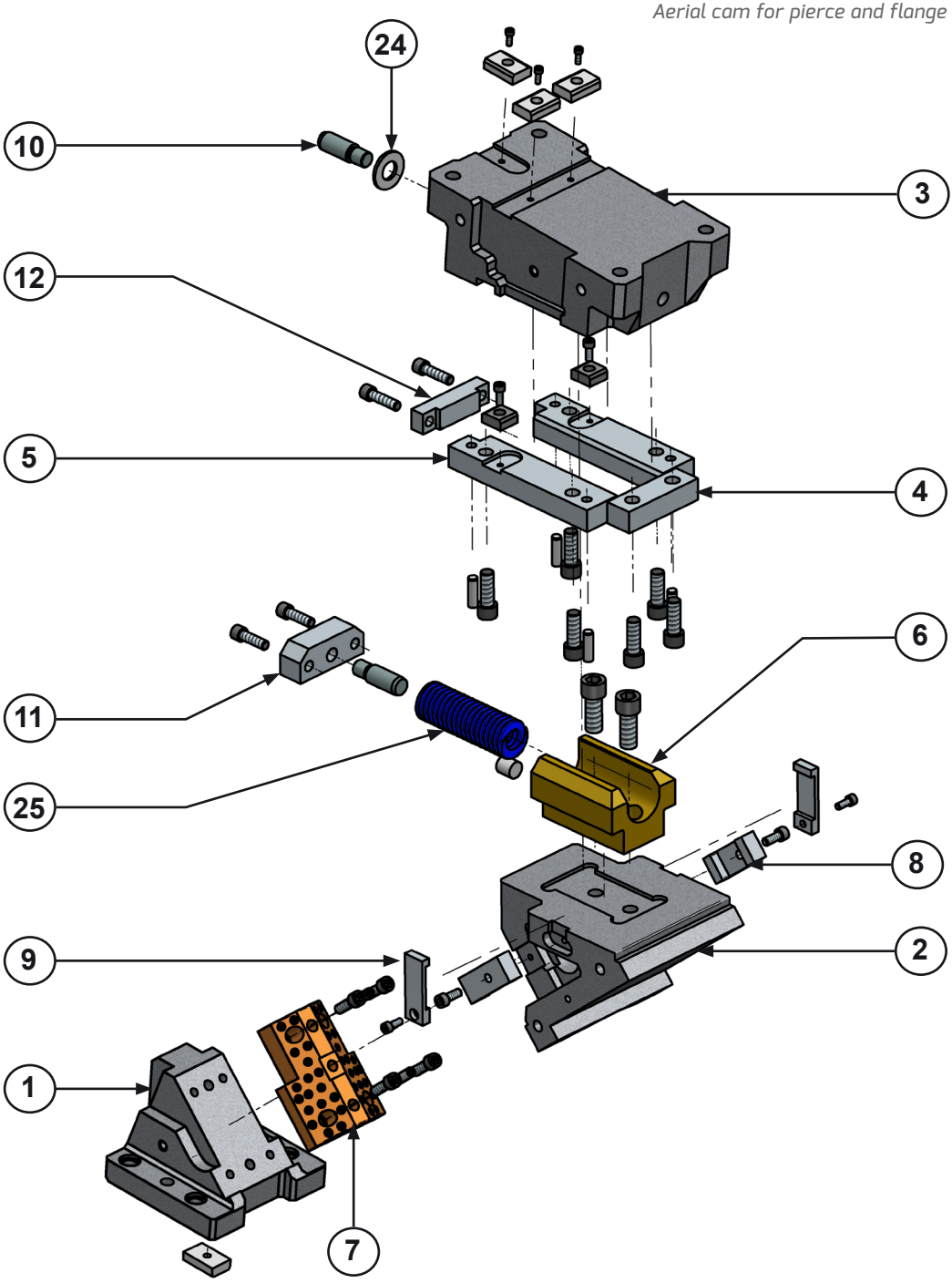
AWBC 0200

Aerial cam for pierce and flange

AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

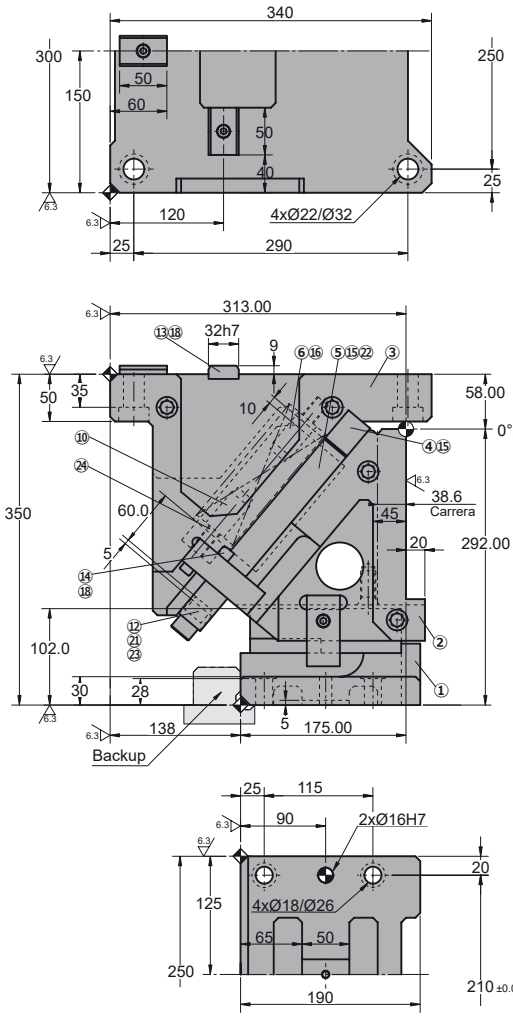


AWBC 0300

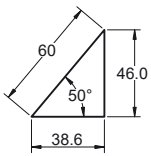
Aerial cam for pierce and flange

AZOL GAS

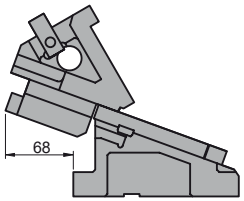
AWBC 0300 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	137.2	AWBC	0300	00
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 00

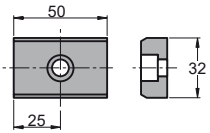
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

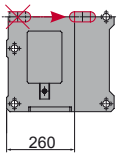
KEY

K



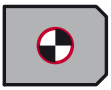
4 x M8x15

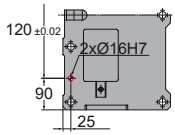
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 00-K
AWBC 0300 00-G-P16
AWBC 0300 00-G-P16-K
AWBC 0300 00-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

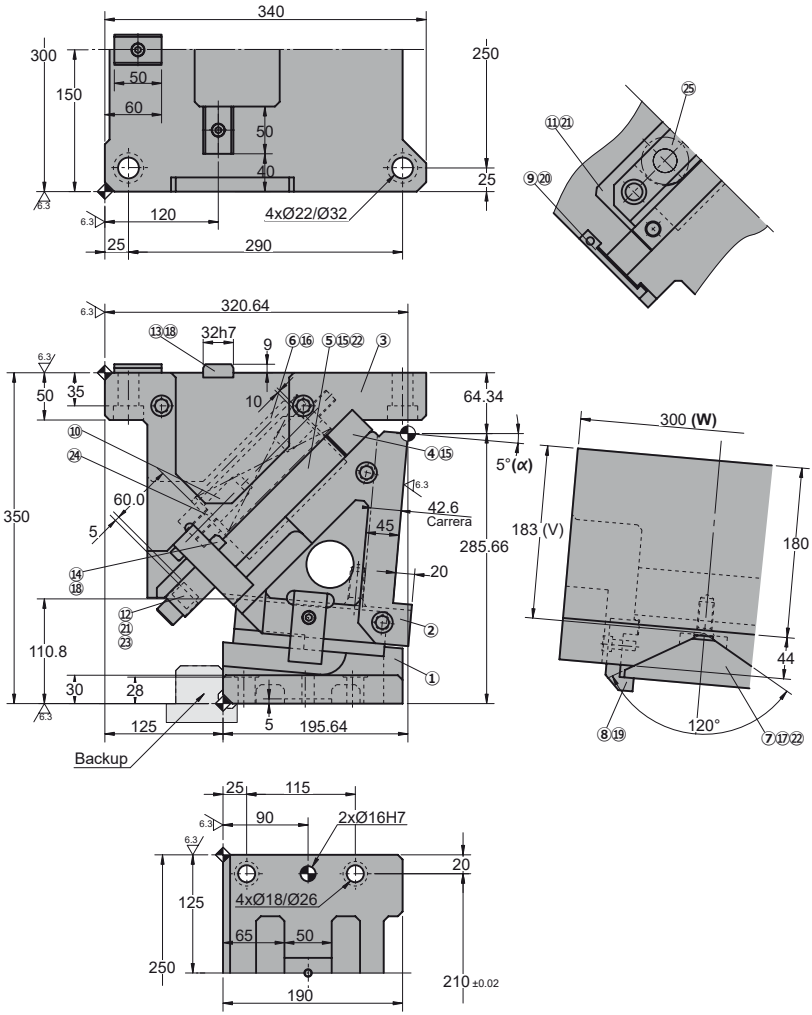
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0300

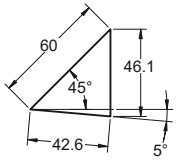
Aerial cam for pierce and flange

AZOL GAS

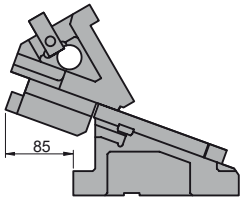
AWBC 0300 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.9	AWBC	0300	05
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 05

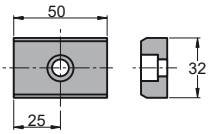
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

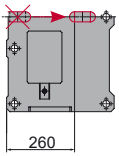
KEY

K



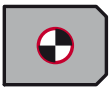
4 x M8x15

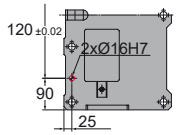
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 05-K

AWBC 0300 05-G-P16

AWBC 0300 05-G-P16-K

AWBC 0300 05-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

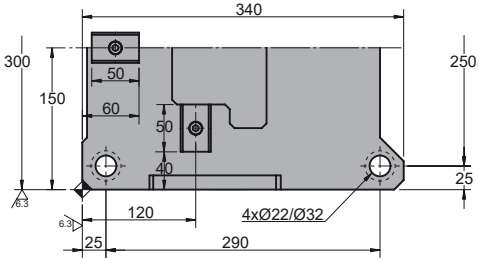
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

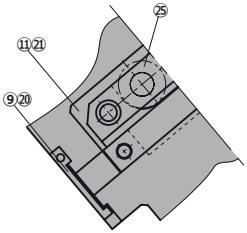
AWBC 0300

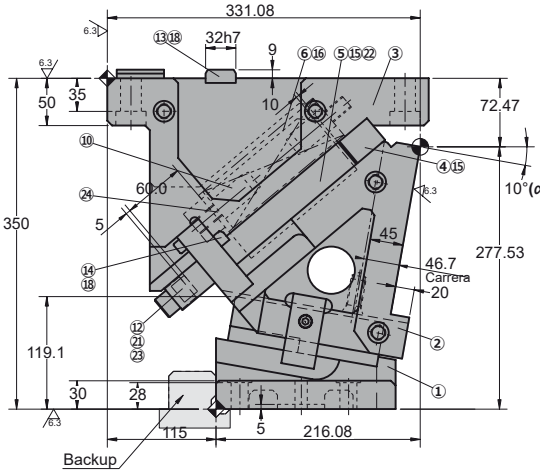
Aerial cam for pierce and flange

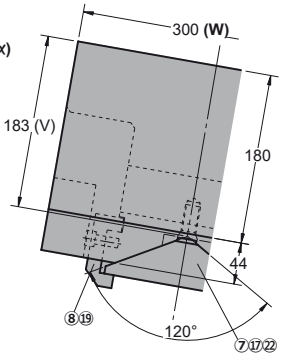
AZOL GAS

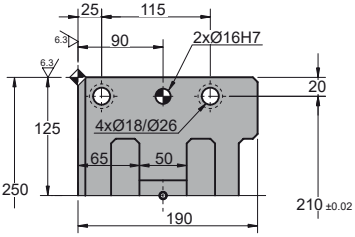
AWBC 0300 10



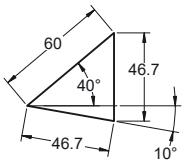




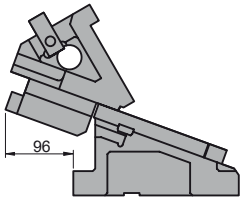




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	135.7	AWBC	0300	10
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 10

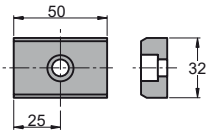
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

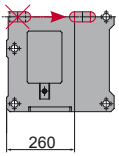
KEY

K



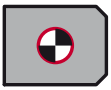
4 x M8x15

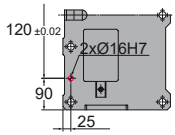
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 10-K

AWBC 0300 10-G-P16

AWBC 0300 10-G-P16-K

AWBC 0300 10-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

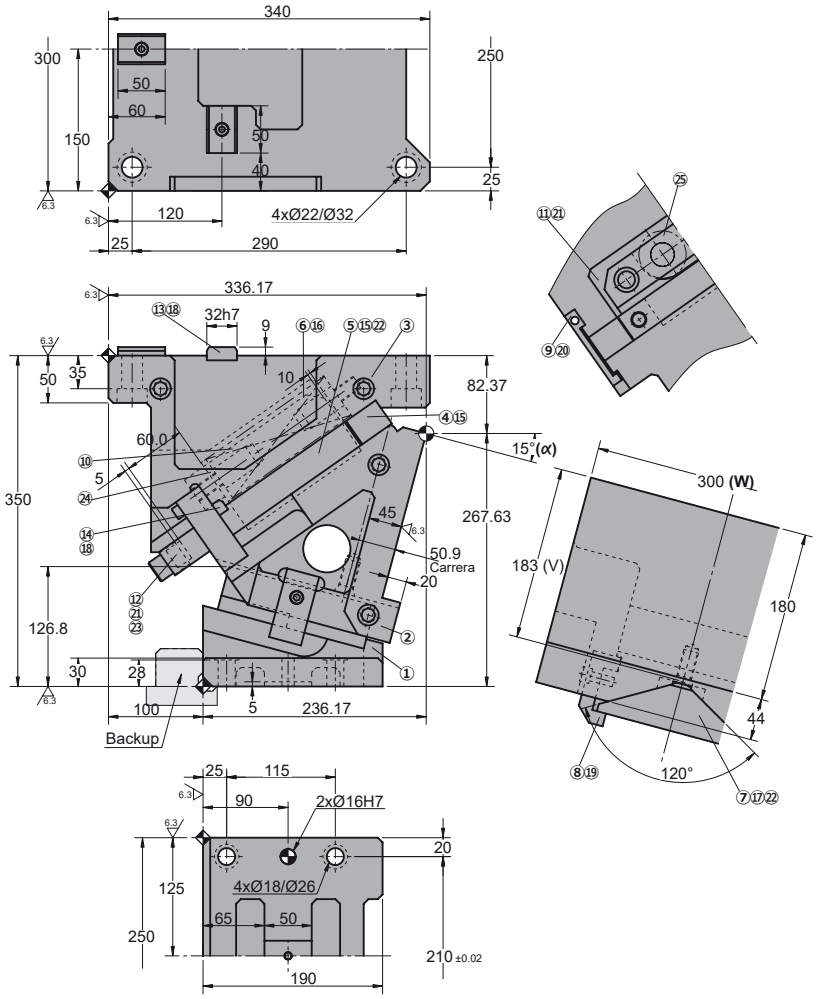
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0300

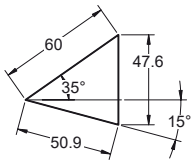
Aerial cam for pierce and flange

AZOL GAS

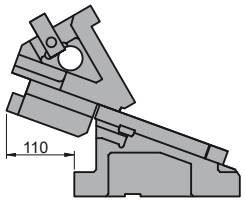
AWBC 0300 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	15
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 15

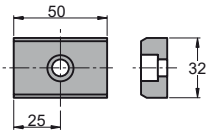
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

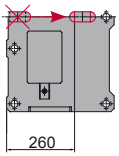
KEY

K



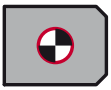
4 x M8x15

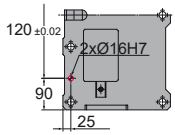
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 15-K

AWBC 0300 15-G-P16

AWBC 0300 15-G-P16-K

AWBC 0300 15-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

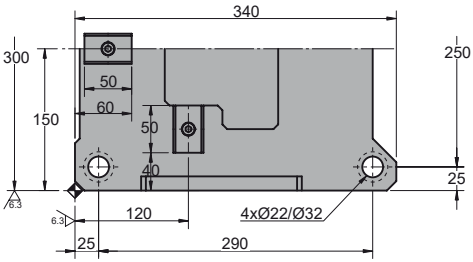
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

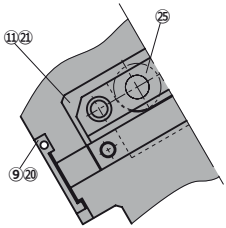
AWBC 0300

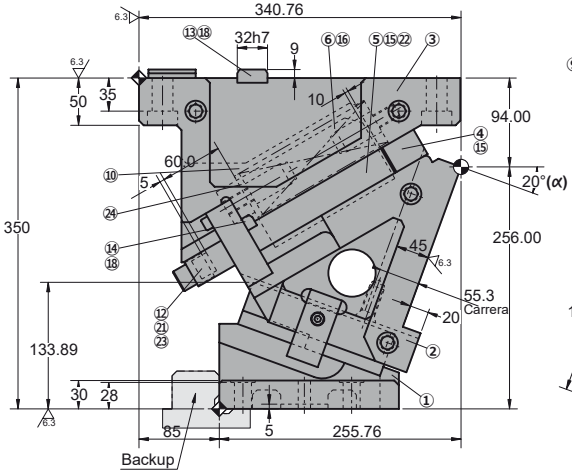
Aerial cam for pierce and flange

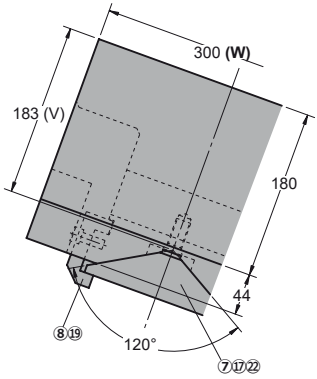
AZOL GAS

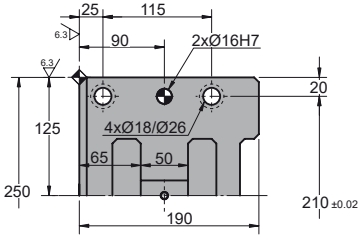
AWBC 0300 20



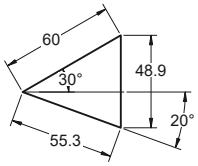




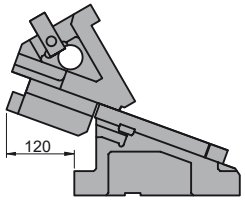




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.5	AWBC	0300	20
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 20

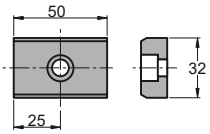
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

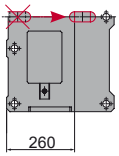
KEY

K



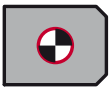
4 x M8x15

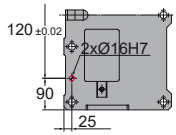
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 20-K

AWBC 0300 20-G-P16

AWBC 0300 20-G-P16-K

AWBC 0300 20-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

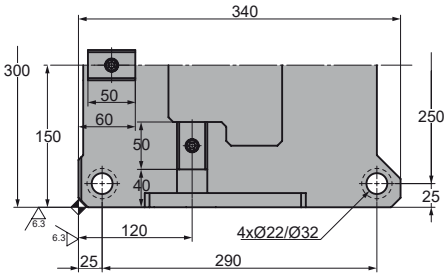
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

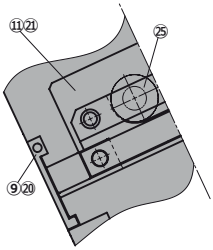
AWBC 0300

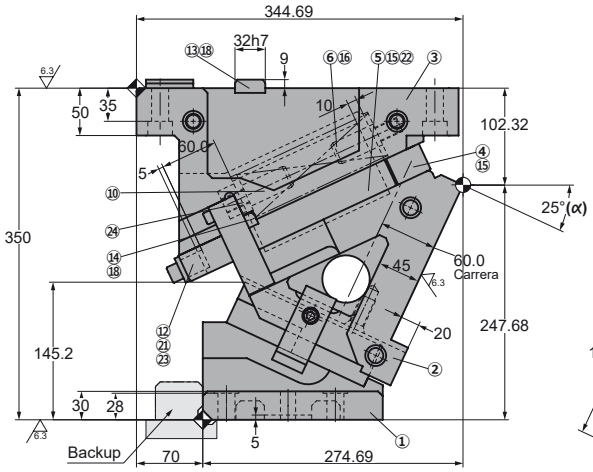
Aerial cam for pierce and flange

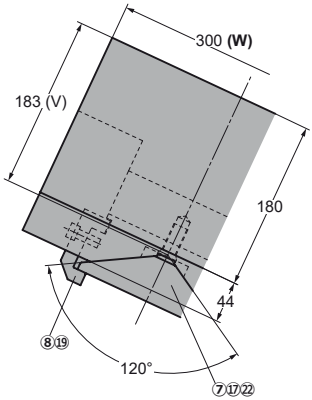
AZOL GAS

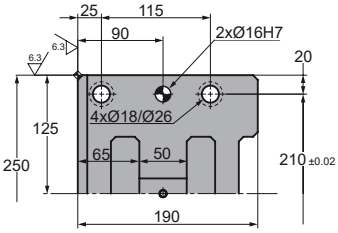
AWBC 0300 25



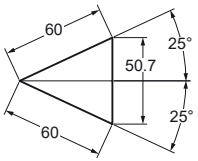




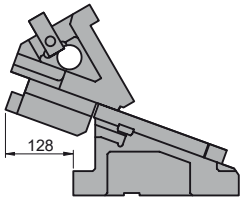




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	25
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 25

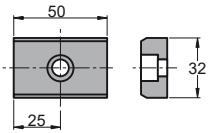
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

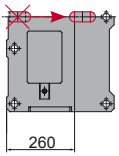
KEY

K



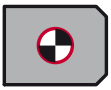
4 x M8x15

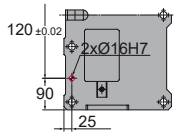
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 25-K

AWBC 0300 25-G-P16

AWBC 0300 25-G-P16-K

AWBC 0300 25-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

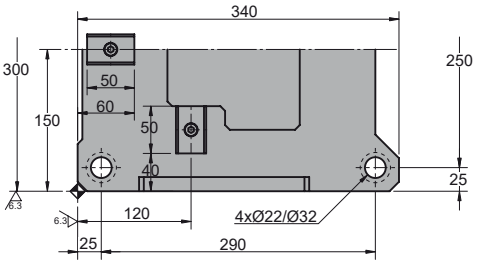
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

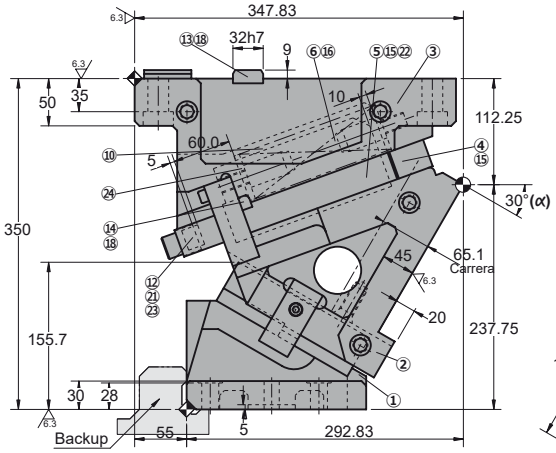
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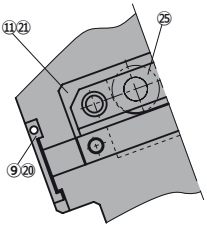
Aerial cam for pierce and flange

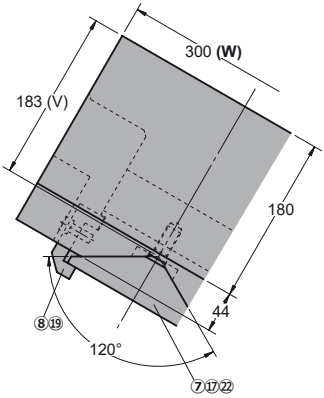
AZOL GAS

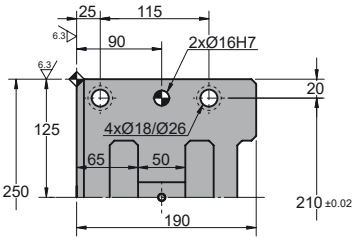
AWBC 0300 30



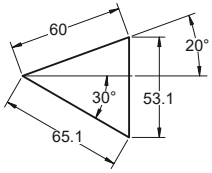




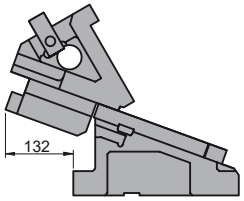




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.0	AWBC	0300	30
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 30

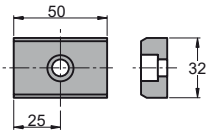
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

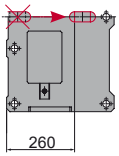
KEY

K



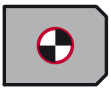
4 x M8x15

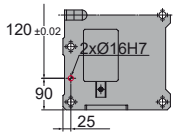
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 30-K
AWBC 0300 30-G-P16
AWBC 0300 30-G-P16-K
AWBC 0300 30-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

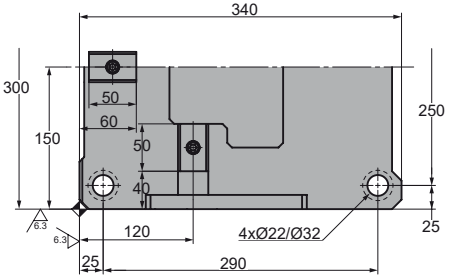
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

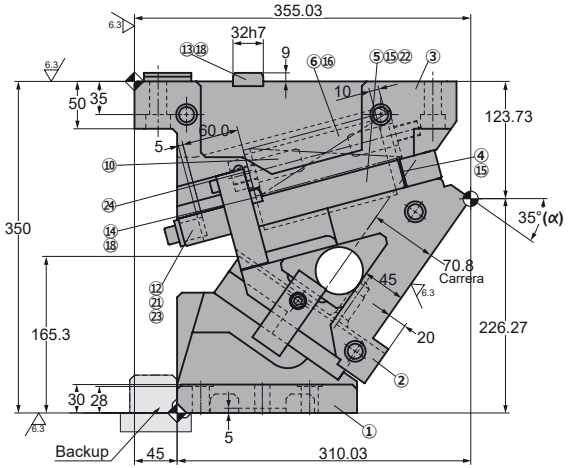
AWBC 0300

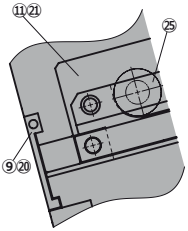
Aerial cam for pierce and flange

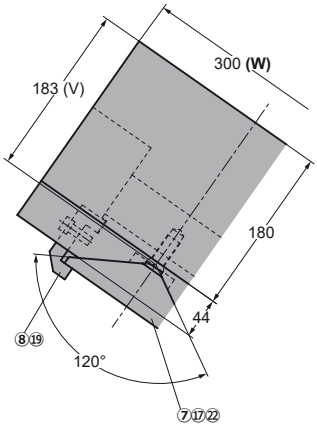
AZOL GAS

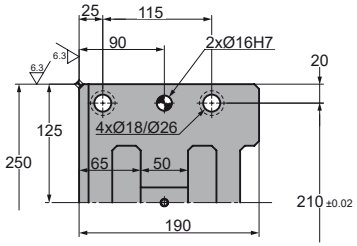
AWBC 0300 35



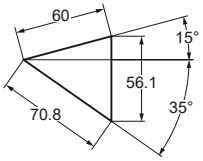




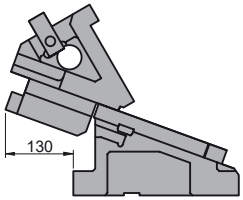




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	131.8	AWBC	0300	35
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 35

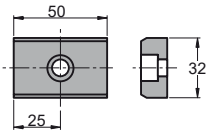
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

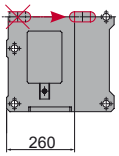
KEY

K



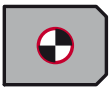
4 x M8x15

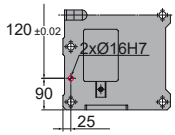
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 35-K

AWBC 0300 35-G-P16

AWBC 0300 35-G-P16-K

AWBC 0300 35-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

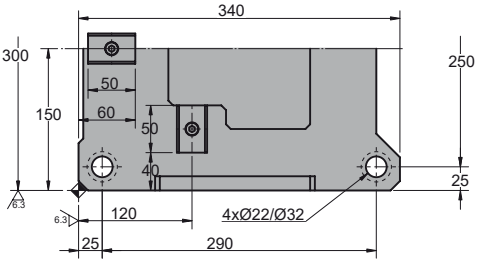
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

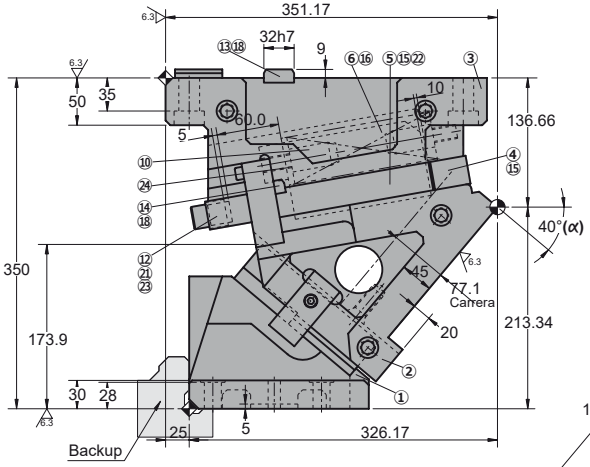
AWBC 0300

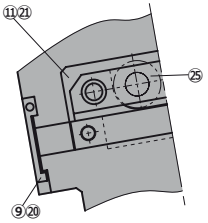
Aerial cam for pierce and flange

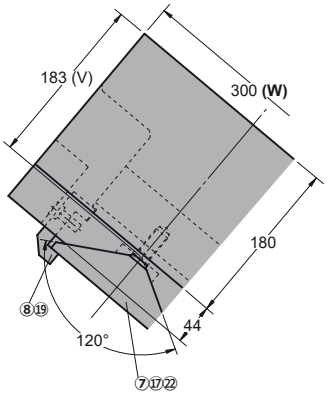
AZOL GAS

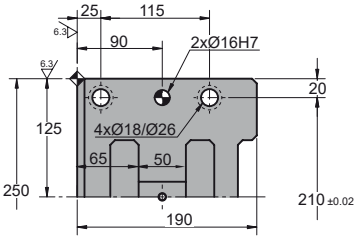
AWBC 0300 40



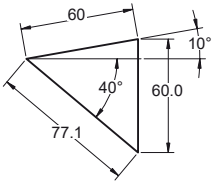




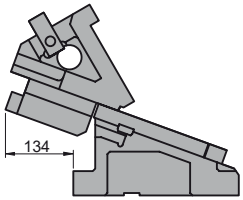




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.3	AWBC	0300	40
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 40

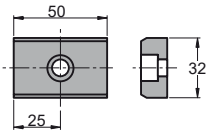
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

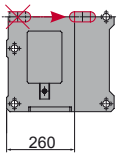
KEY

K



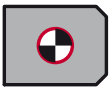
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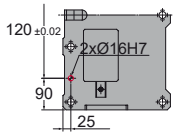
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 40-K
AWBC 0300 40-G-P16
AWBC 0300 40-G-P16-K
AWBC 0300 40-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

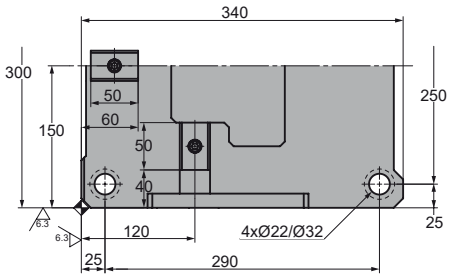
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

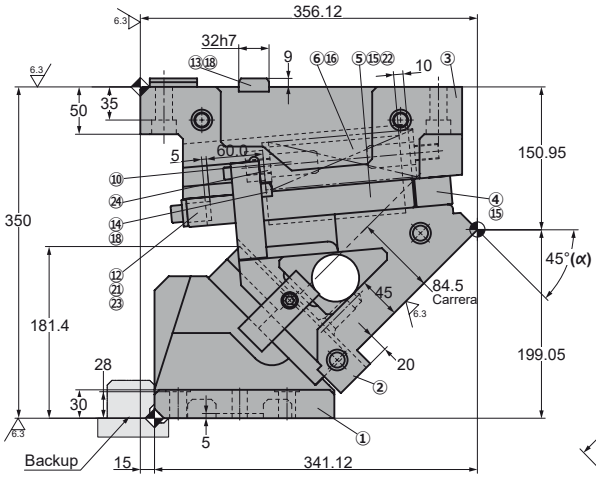
AWBC 0300

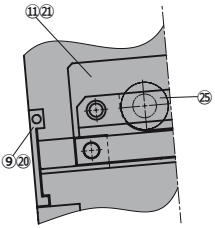
Aerial cam for pierce and flange

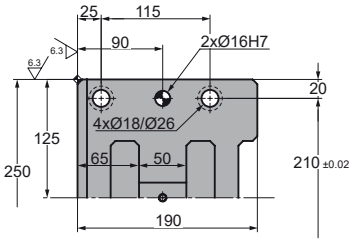
AZOL GAS

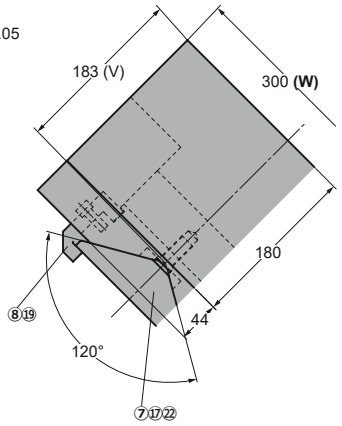
AWBC 0300 45



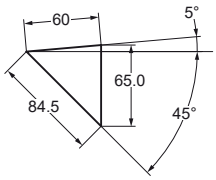




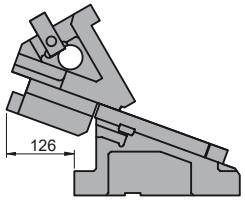




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	134.8	AWBC	0300	45
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 45

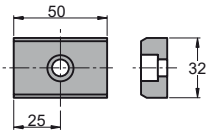
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

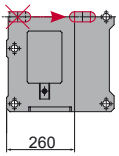
KEY

K



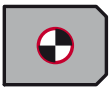
4 x M8x15

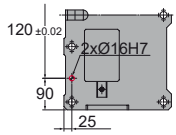
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 45-K

AWBC 0300 45-G-P16

AWBC 0300 45-G-P16-K

AWBC 0300 45-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

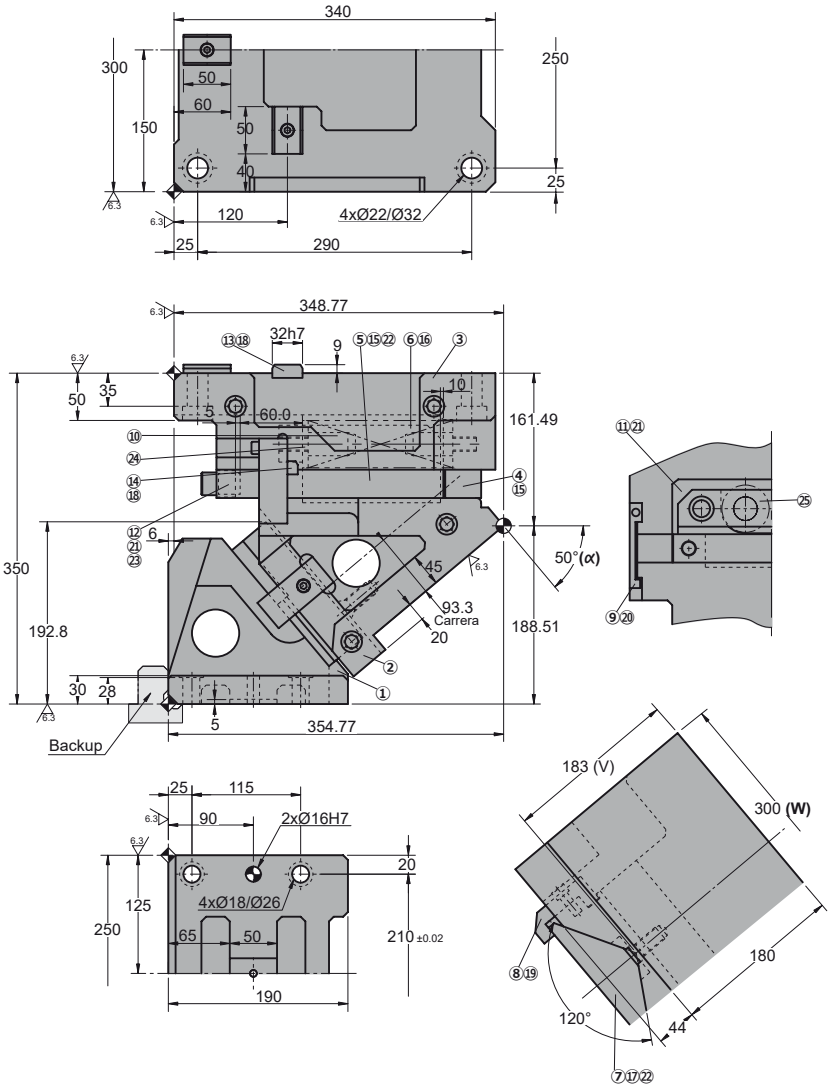
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0300

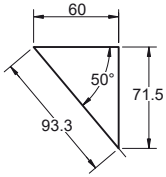
Aerial cam for pierce and flange

AZOL GAS

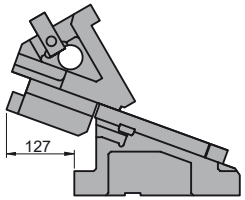
AWBC 0300 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	130.9	AWBC	0300	50
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 50

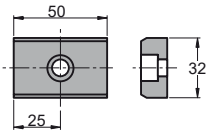
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

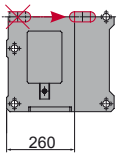
KEY

K



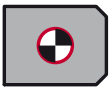
4 x M8x15

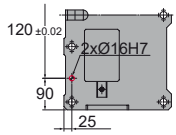
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 50-K

AWBC 0300 50-G-P16

AWBC 0300 50-G-P16-K

AWBC 0300 50-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

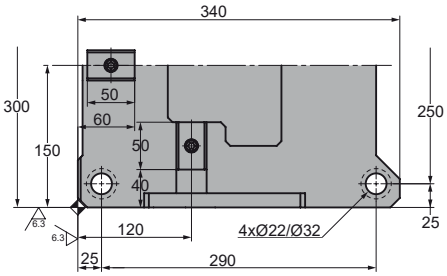
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

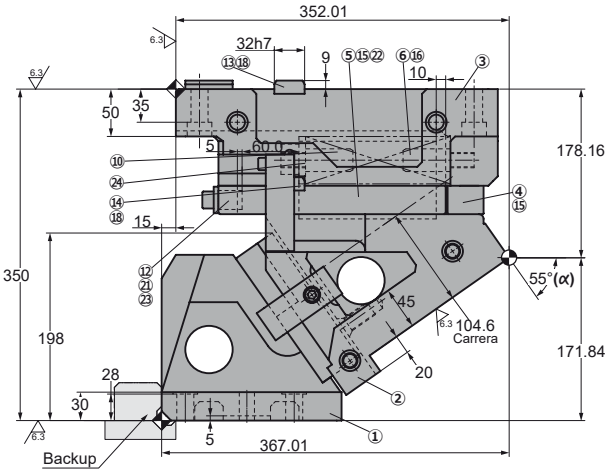
AWBC 0300

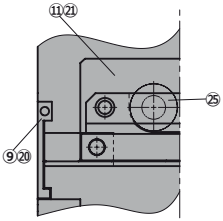
Aerial cam for pierce and flange

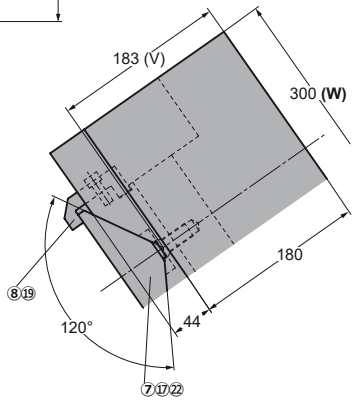
AZOL GAS

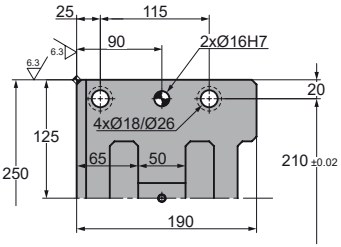
AWBC 0300 55



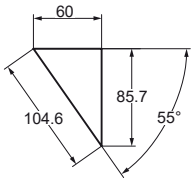




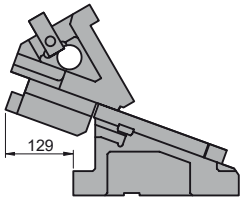




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	133.0	AWBC	0300	55
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 55

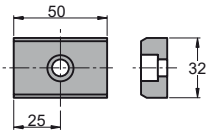
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

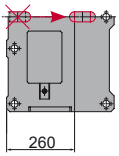
KEY

K



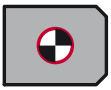
4 x M8x15

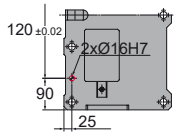
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 55-K

AWBC 0300 55-G-P16

AWBC 0300 55-G-P16-K

AWBC 0300 55-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

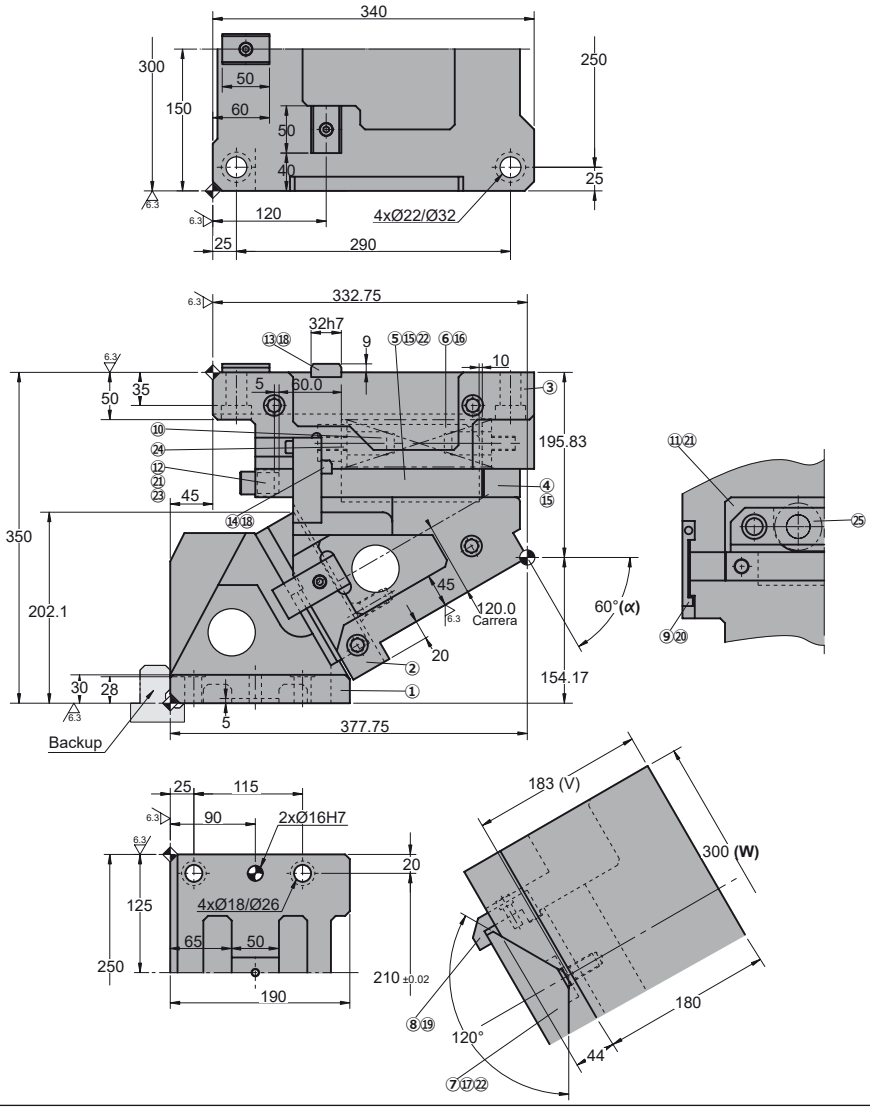
No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0300

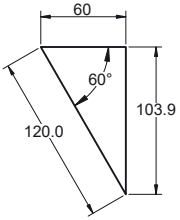
Aerial cam for pierce and flange

AZOL GAS

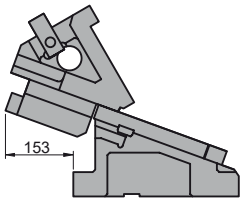
AWBC 0300 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	196.0 (20.0)	392.0 (40.0)	1634.4 (166.6)	9806.4 (999.4)	136.1	AWBC	0300	60
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0300 60

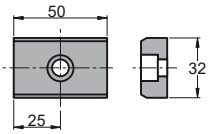
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

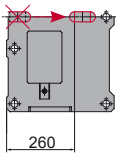
KEY

K



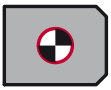
4 x M8x15

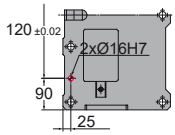
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0300 60-K
AWBC 0300 60-G-P16
AWBC 0300 60-G-P16-K
AWBC 0300 60-G-P16-KF

SPARE PARTS:
⑤ Base Plate B
⑦ Slider Guide
㉕ Coil Spring
㉕ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Positive Return A	1	Bronze + G
⑤	Positive Return B	1	Bronze + G
⑥	Spring Guide Block	1	GGG50 + G
⑦	Slider Guide	1	Bronze
⑧	Uña extractora A	2	CK45
⑨	Uña extractora B	2	CK45
⑩	Spring Guide Pin	2	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Stopper Plate	1	CK45
⑬	Key A	3	CK45

No.	Description	Qty.	Material
⑭	Key B	2	CK45
⑮	Screw	6	M16 x 45
⑯	Screw	4	M20 x 50
⑰	Screw	4	M12 x 35
⑱	Screw	5	M8 x 15
⑲	Screw	2	M10 x 25
⑳	Screw	2	M8 x 45
㉑	Screw	4	M16 x 50
㉒	Dowel Pin	6	Ø13 x 40
㉓	Stopper	2	Urethane
㉔	Washer	2	CK45
㉕	Coil Spring	2	TM50-225
㉕	Gas Spring	2	FD 750 080 V1 (87 Bar)

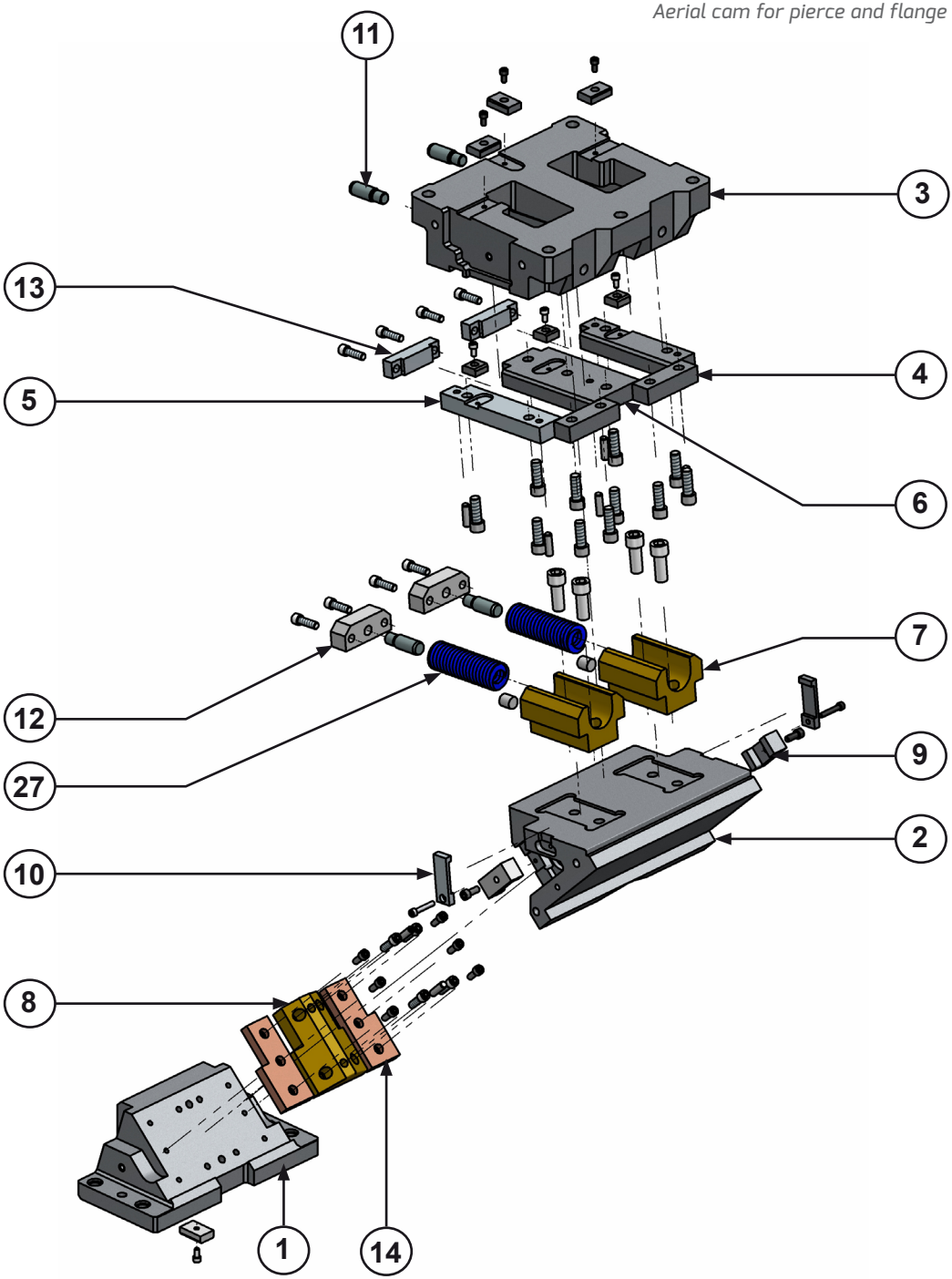
AWBC 0300

Aerial cam for pierce and flange

AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

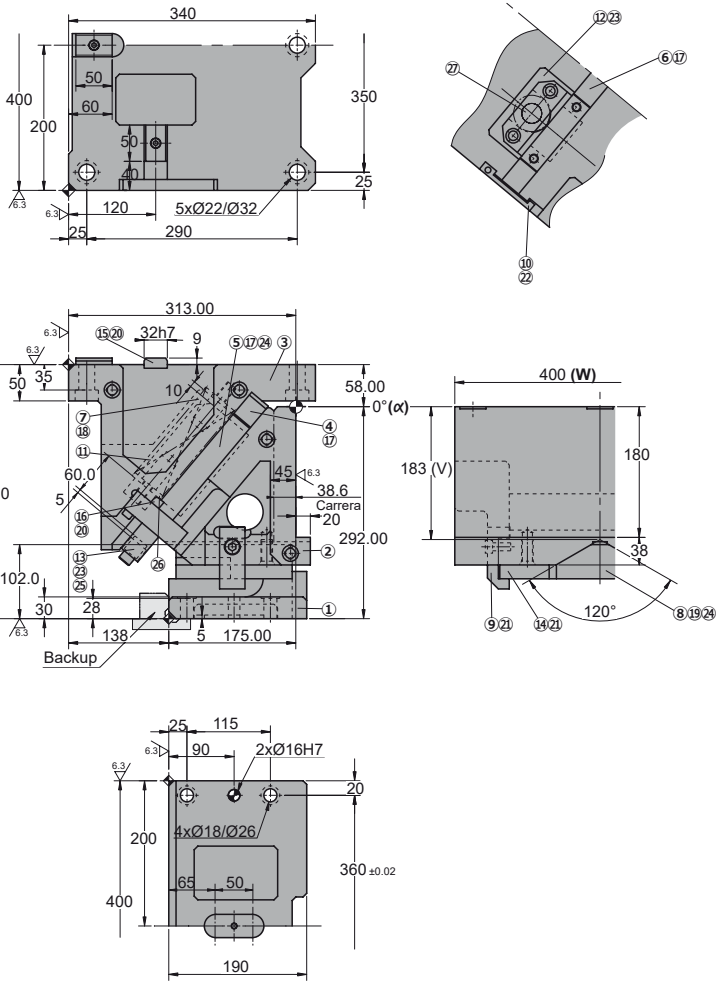


AWBC 0400

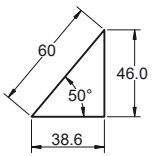
Aerial cam for pierce and flange

AZOL GAS

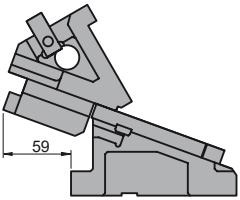
AWBC 0400 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.1	AWBC	0400	00
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 00

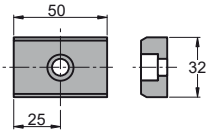
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

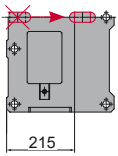
KEY

K



4 x M8x15

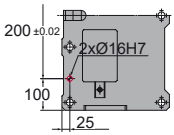
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 00-K
AWBC 0400 00-G-P16
AWBC 0400 00-G-P16-K
AWBC 0400 00-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

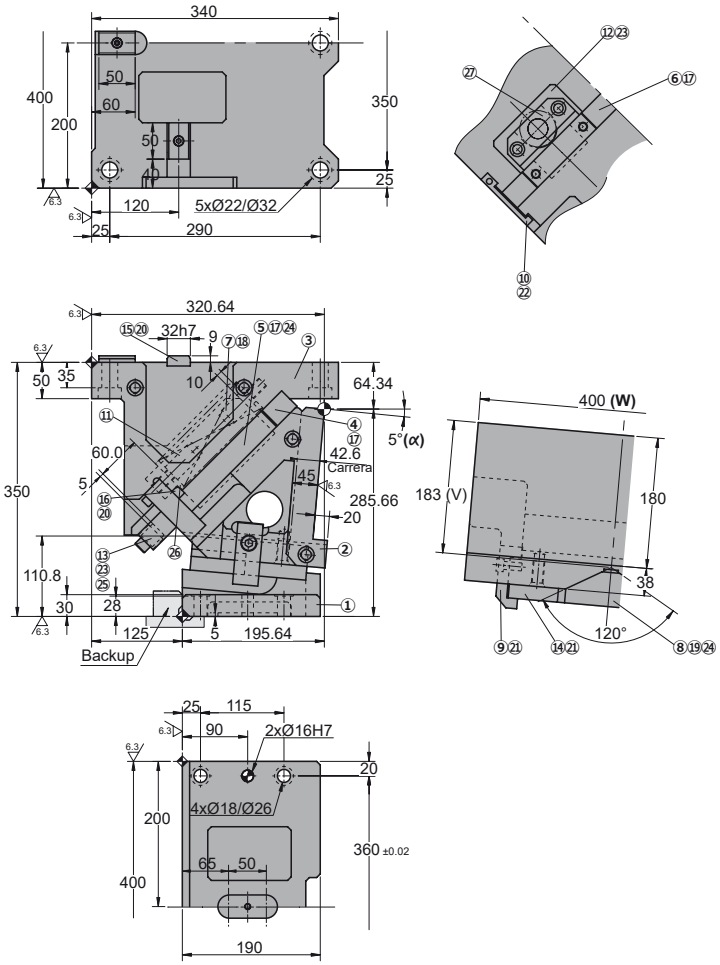
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0400

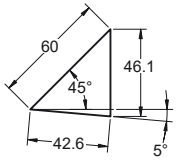
Aerial cam for pierce and flange

AZOL GAS

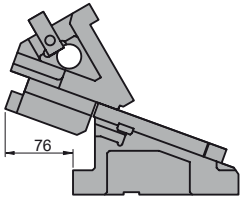
AWBC 0400 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	189.3	AWBC	0400	05
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 05

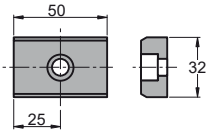
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

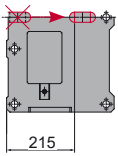
K - KF

KEY

K



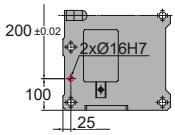
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 05-K

AWBC 0400 05-G-P16

AWBC 0400 05-G-P16-K

AWBC 0400 05-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

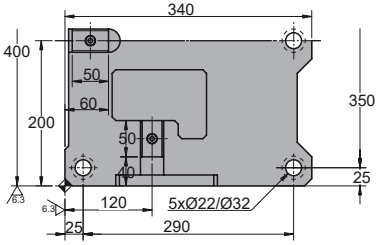
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

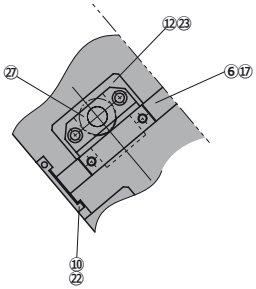
AWBC 0400

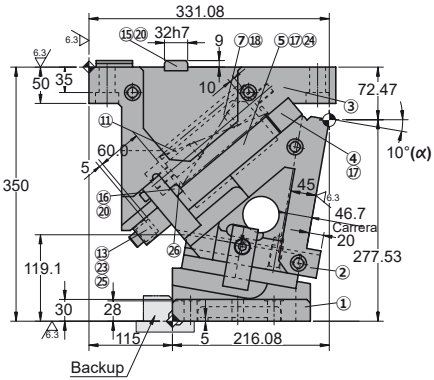
Aerial cam for pierce and flange

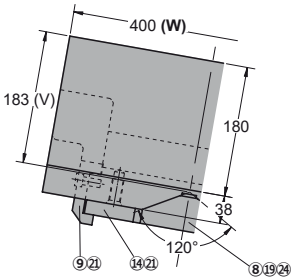
AZOL GAS

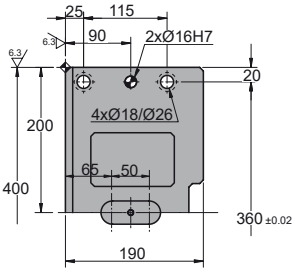
AWBC 0400 10



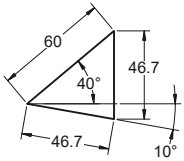




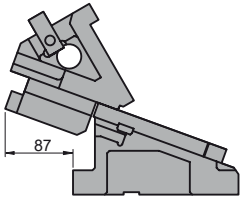




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	188.0	AWBC	0400	10
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 10

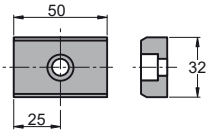
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

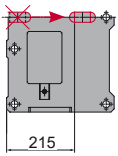
K - KF

KEY

K



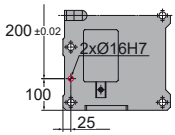
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 10-K

AWBC 0400 10-G-P16

AWBC 0400 10-G-P16-K

AWBC 0400 10-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

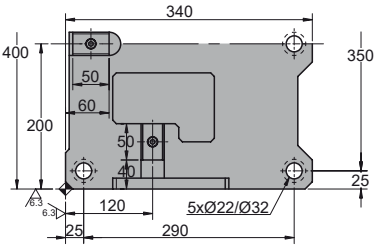
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

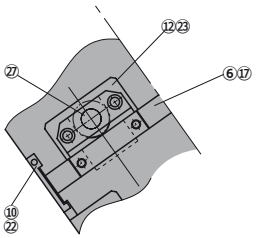
AWBC 0400

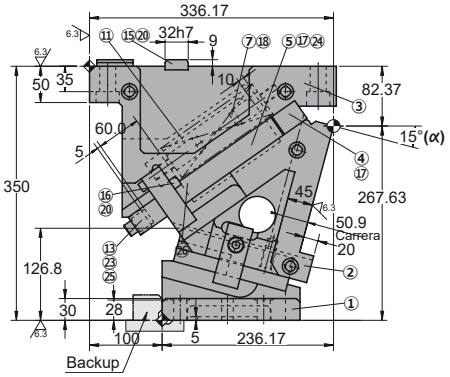
Aerial cam for pierce and flange

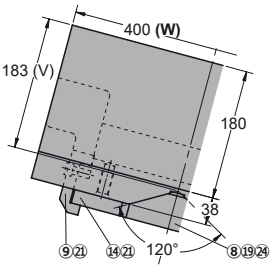
AZOL GAS

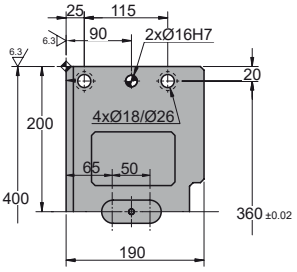
AWBC 0400 15



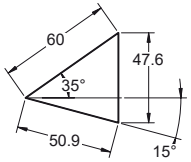




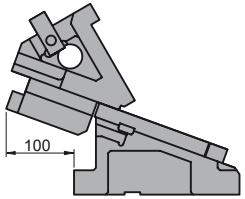




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	186.1	AWBC	0400	15
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 15

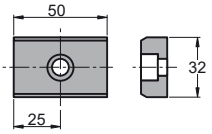
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

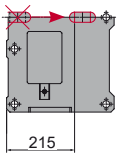
KEY

K



4 x M8x15

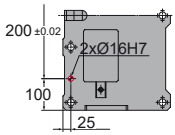
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 15-K

AWBC 0400 15-G-P16

AWBC 0400 15-G-P16-K

AWBC 0400 15-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

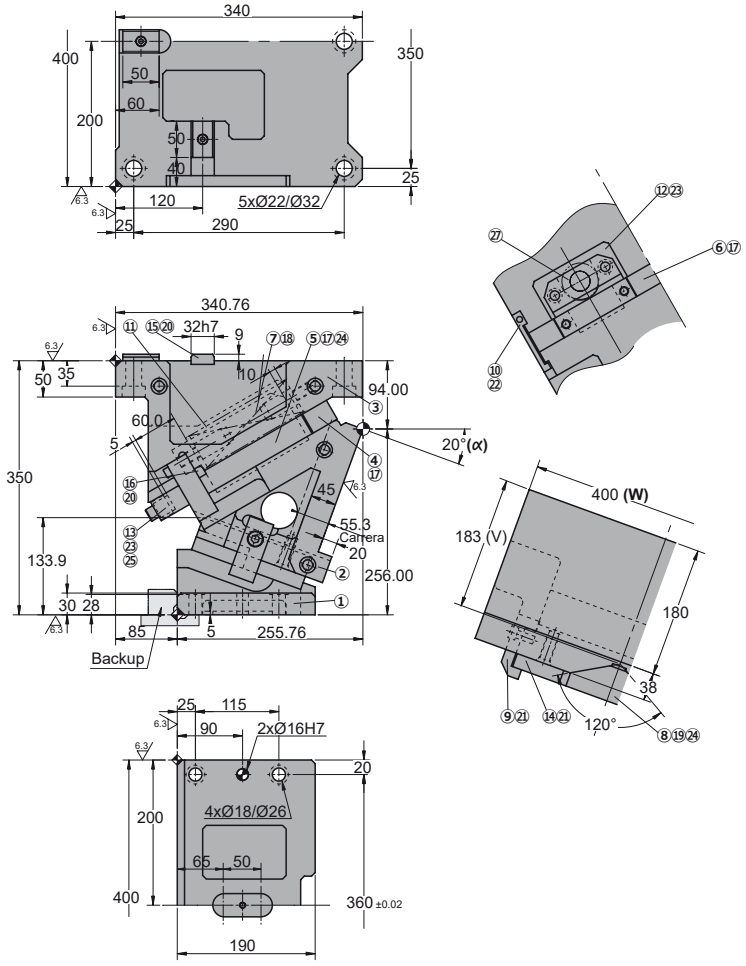
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0400

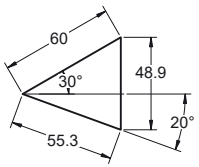
Aerial cam for pierce and flange

AZOL GAS

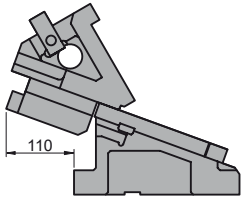
AWBC 0400 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	185.3	AWBC	0400	20
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 20

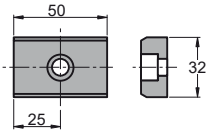
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

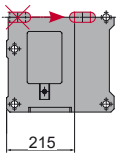
K - KF

KEY

K



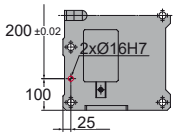
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 20-K

AWBC 0400 20-G-P16

AWBC 0400 20-G-P16-K

AWBC 0400 20-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

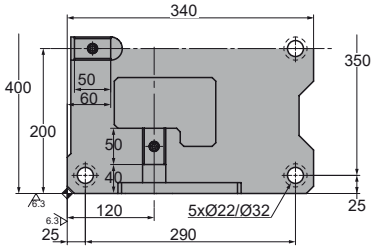
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

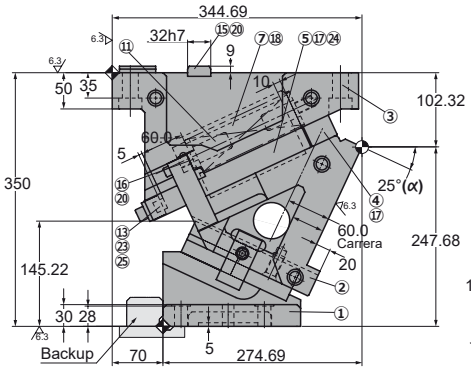
AWBC 0400

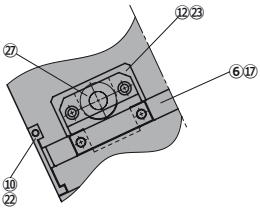
Aerial cam for pierce and flange

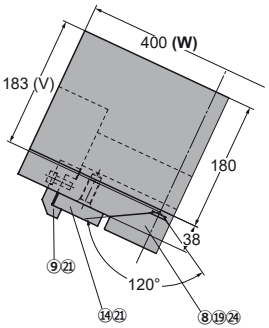
AZOL GAS

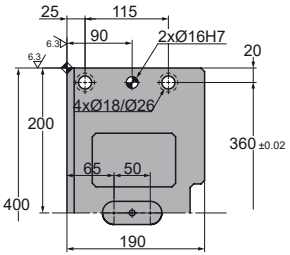
AWBC 0400 25



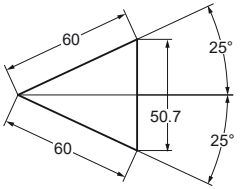




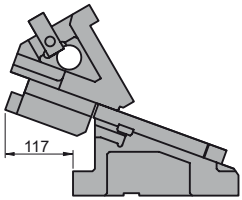




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	188.1	AWBC	0400	25
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 25

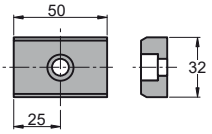
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

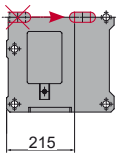
K - KF

KEY

K



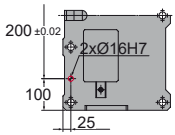
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 25-K

AWBC 0400 25-G-P16

AWBC 0400 25-G-P16-K

AWBC 0400 25-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

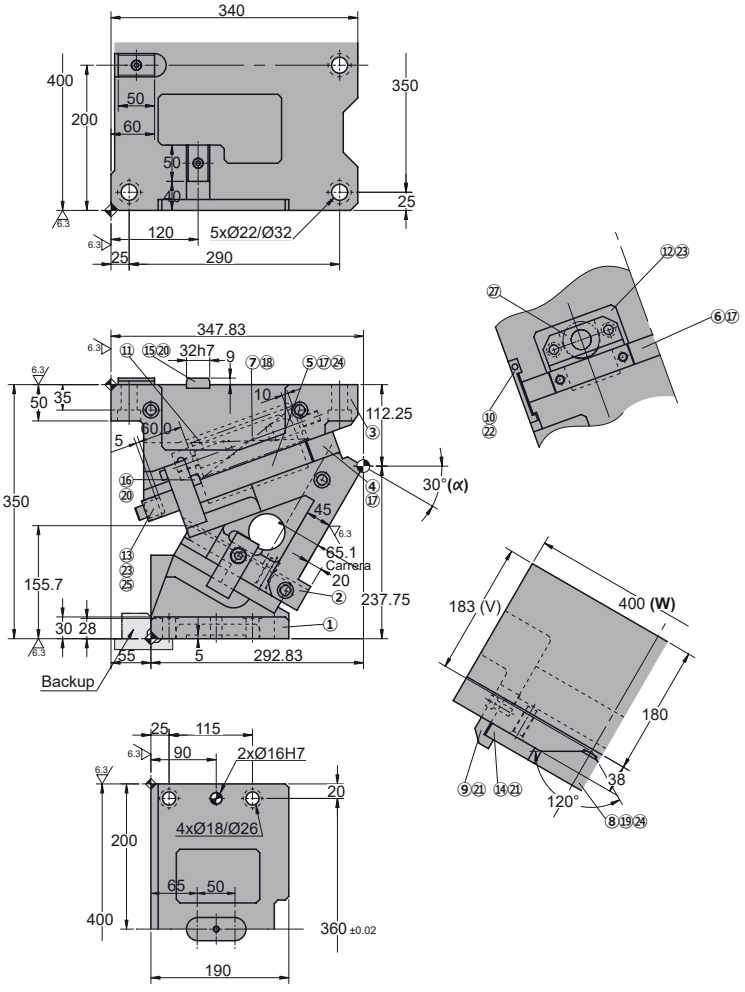
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

AWBC 0400

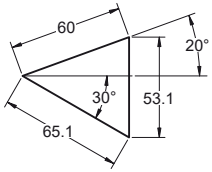
Aerial cam for pierce and flange

AZOL GAS

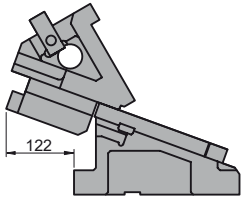
AWBC 0400 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	185.8	AWBC	0400	30
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 30

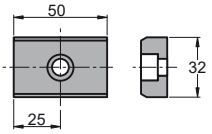
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

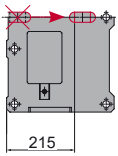
K - KF

KEY

K



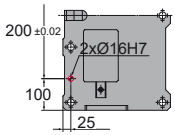
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 30-K

AWBC 0400 30-G-P16

AWBC 0400 30-G-P16-K

AWBC 0400 30-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

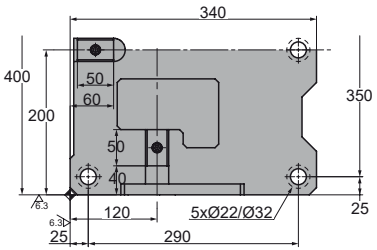
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

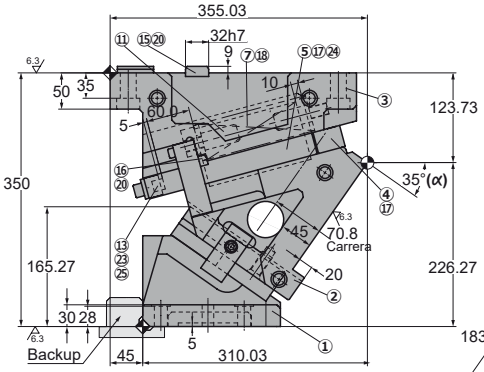
AWBC 0400

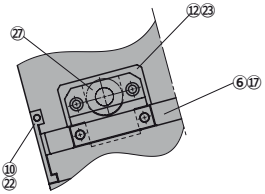
Aerial cam for pierce and flange

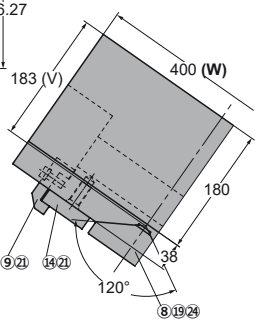
AZOL GAS

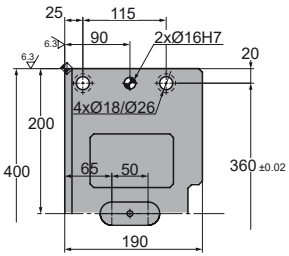
AWBC 0400 35



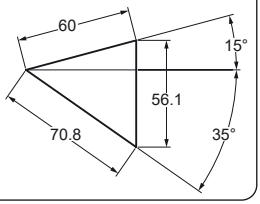




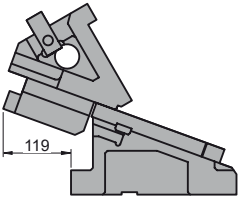




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	192.4	AWBC	0400	35
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 35

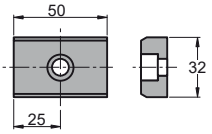
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

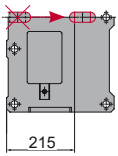
KEY

K



4 x M8x15

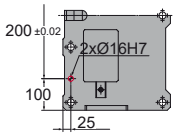
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 35-K

AWBC 0400 35-G-P16

AWBC 0400 35-G-P16-K

AWBC 0400 35-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

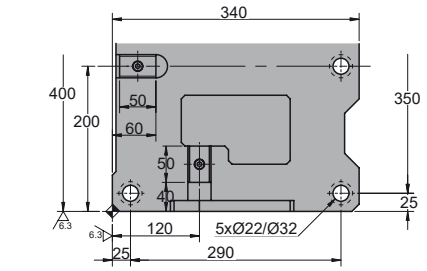
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

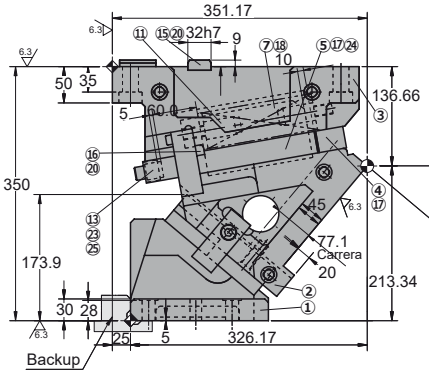
AWBC 0400

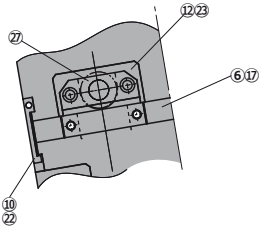
Aerial cam for pierce and flange

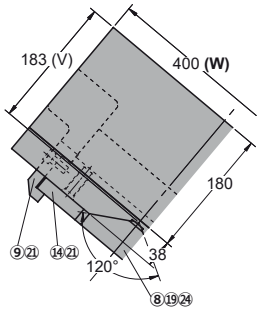
AZOL GAS

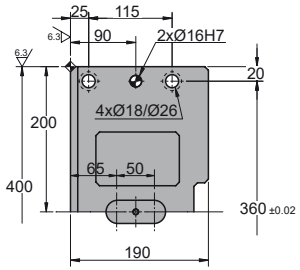
AWBC 0400 40



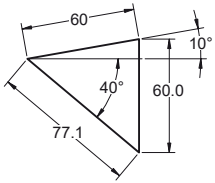




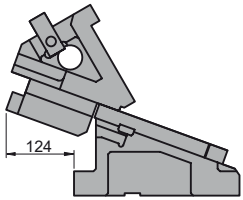




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.9	AWBC	0400	40
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 40

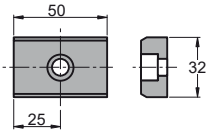
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

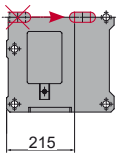
KEY

K



4 x M8x15

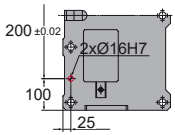
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 40-K

AWBC 0400 40-G-P16

AWBC 0400 40-G-P16-K

AWBC 0400 40-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

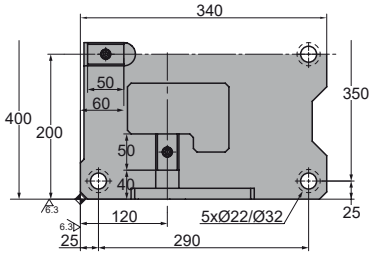
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

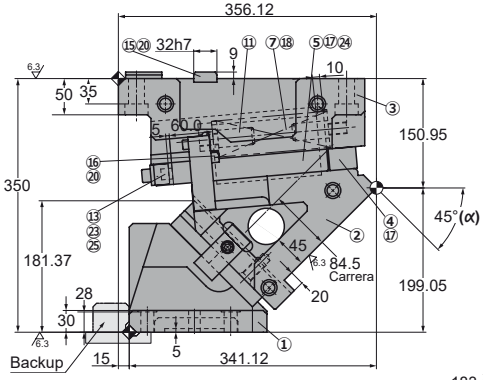
AWBC 0400

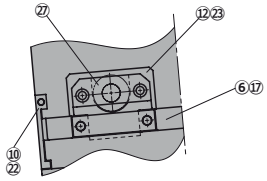
Aerial cam for pierce and flange

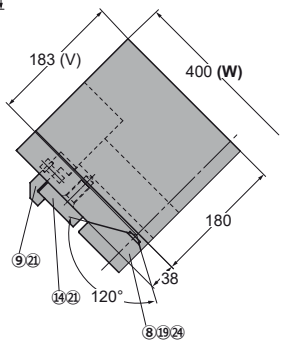
AZOL GAS

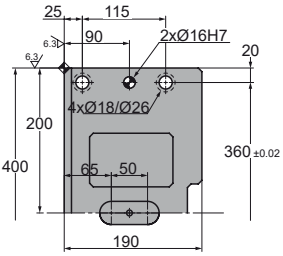
AWBC 0400 45



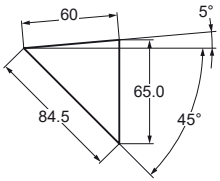




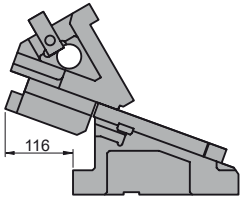




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	195.9	AWBC	0400	45
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 45

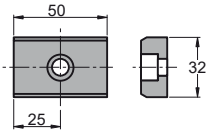
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

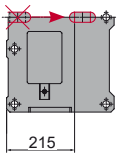
KEY

K



4 x M8x15

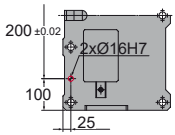
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 45-K

AWBC 0400 45-G-P16

AWBC 0400 45-G-P16-K

AWBC 0400 45-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

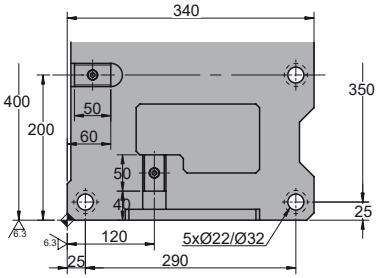
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

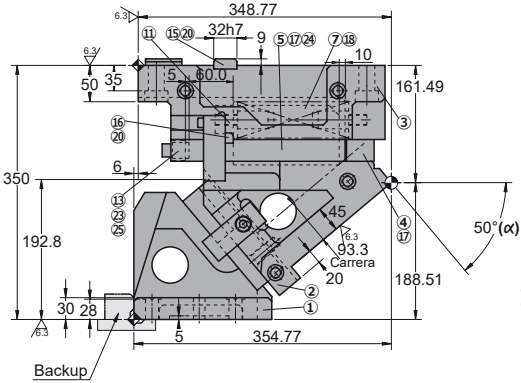
AWBC 0400

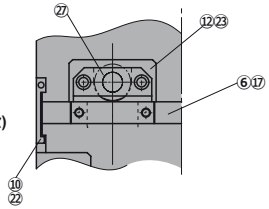
Aerial cam for pierce and flange

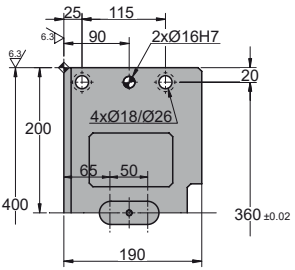
AZOL GAS

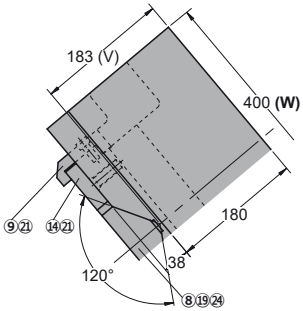
AWBC 0400 50



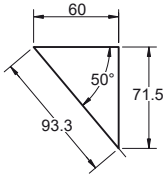




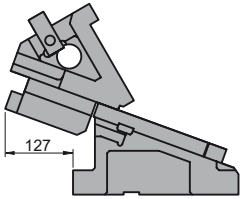




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	191.8	AWBC	0400	50
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 50

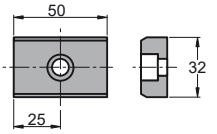
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

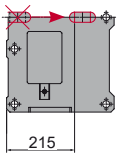
KEY

K



4 x M8x15

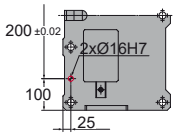
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 50-K

AWBC 0400 50-G-P16

AWBC 0400 50-G-P16-K

AWBC 0400 50-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

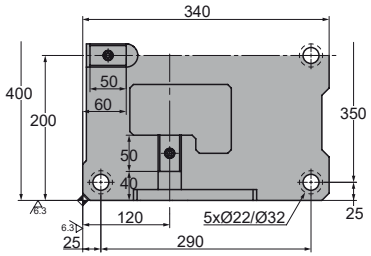
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

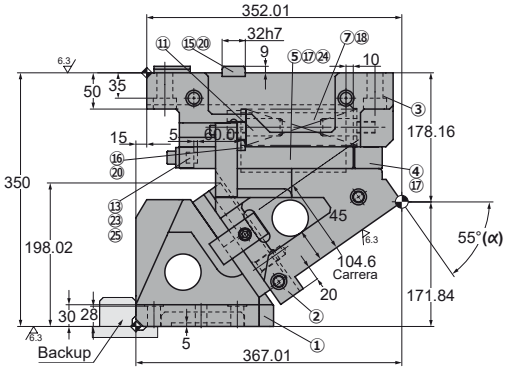
AWBC 0400

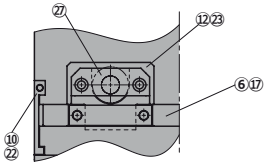
Aerial cam for pierce and flange

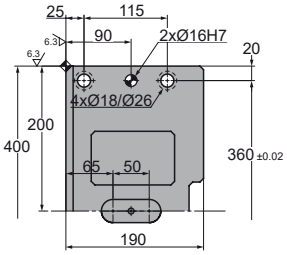
AZOL GAS

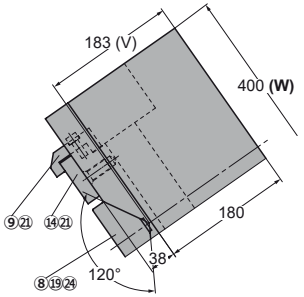
AWBC 0400 55



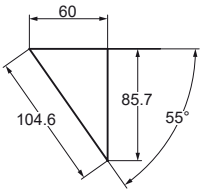




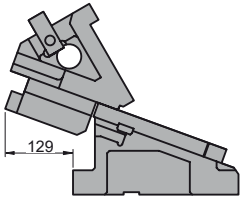




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	198.5	AWBC	0400	55
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 55

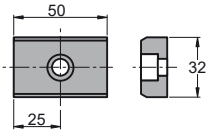
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

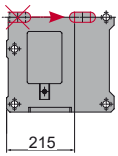
KEY

K



4 x M8x15

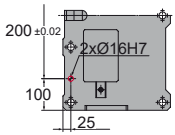
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 55-K

AWBC 0400 55-G-P16

AWBC 0400 55-G-P16-K

AWBC 0400 55-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

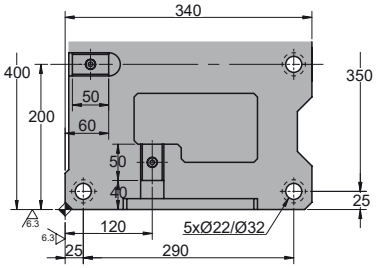
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

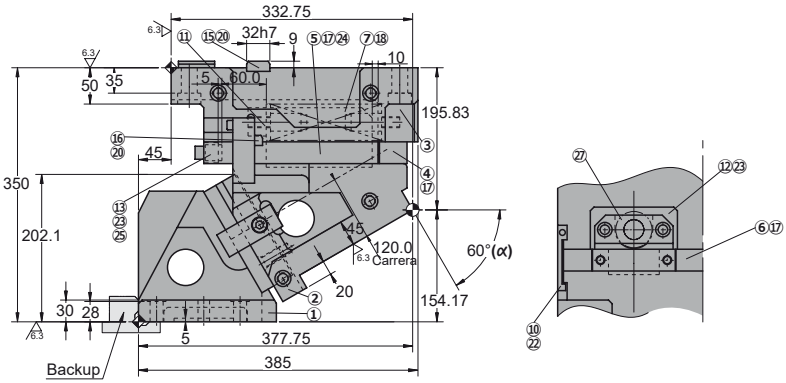
AWBC 0400

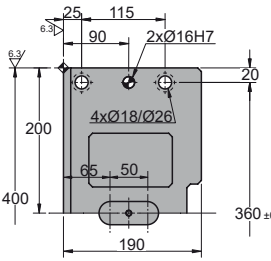
Aerial cam for pierce and flange

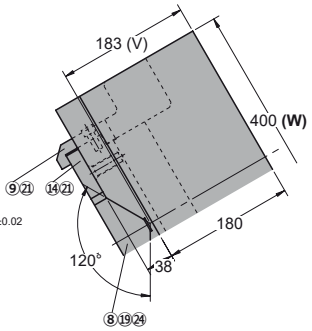
AZOL GAS

AWBC 0400 60

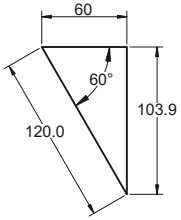




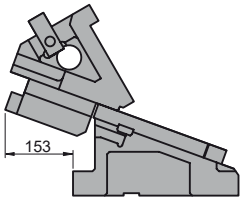




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	245.0 (25.0)	490.0 (50.0)	1634.4 (166.6)	9806.4 (999.4)	201.1	AWBC	0400	60
			G ---	G 13459.4 (1372.5)				

Order: Model (W) (α)

AWBC 0400 60

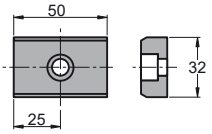
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

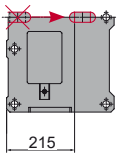
KEY

K



4 x M8x15

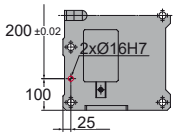
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0400 60-K

AWBC 0400 60-G-P16

AWBC 0400 60-G-P16-K

AWBC 0400 60-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	4	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	2	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	4	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	2	Urethane
㉖	Washer	2	CK45
㉗	Coil Spring	2	TM50-225
㉗	Gas Spring	2	FD 750 080 V1 (87 Bar)

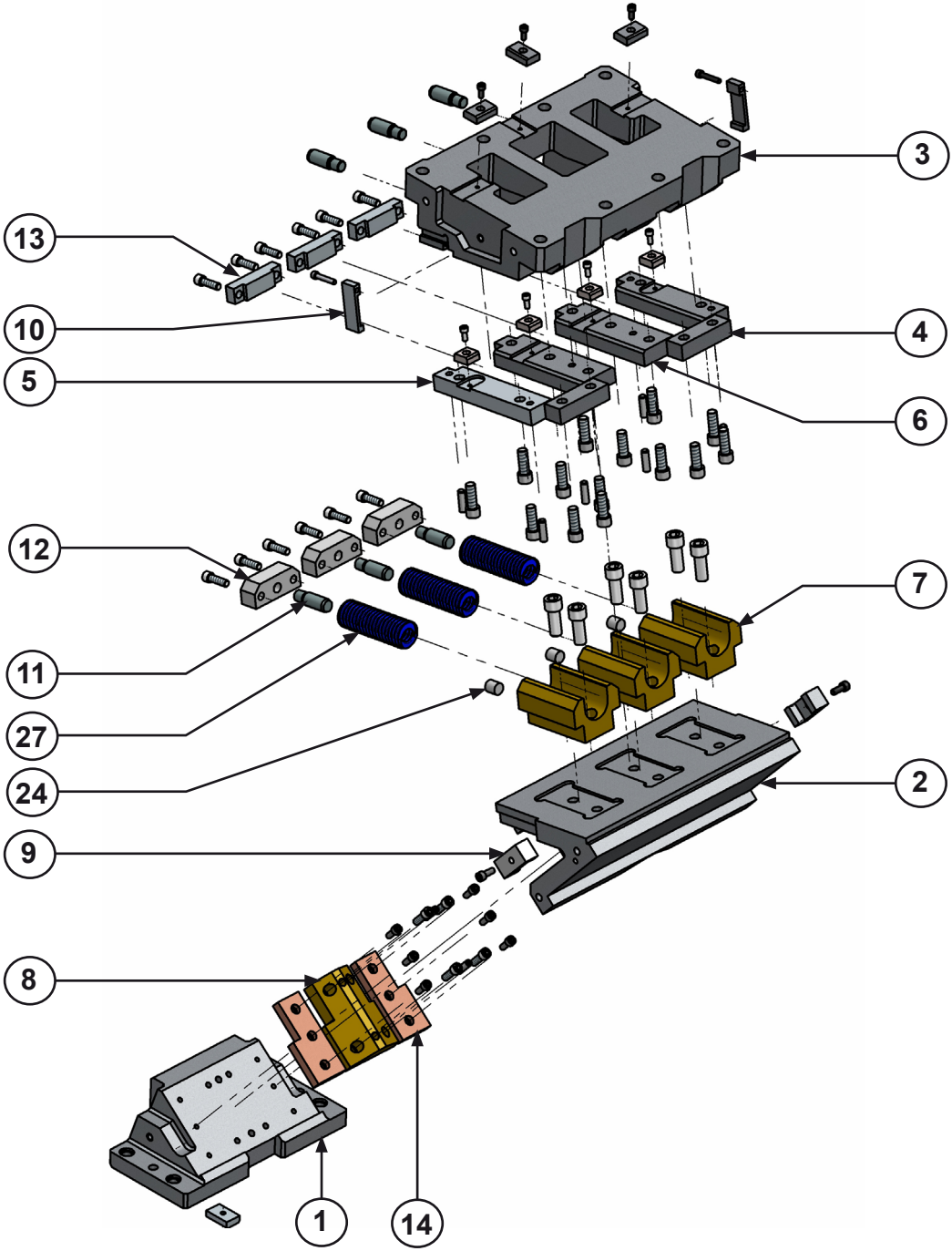
AWBC 0400

Aerial cam for pierce and flange

AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

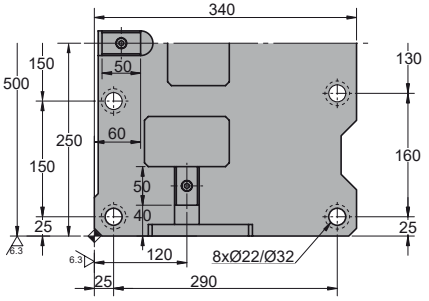


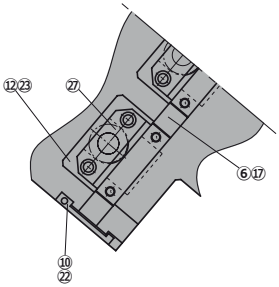
AWBC 0500

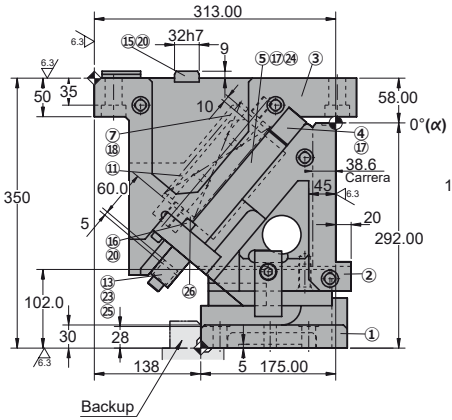
Aerial cam for pierce and flange

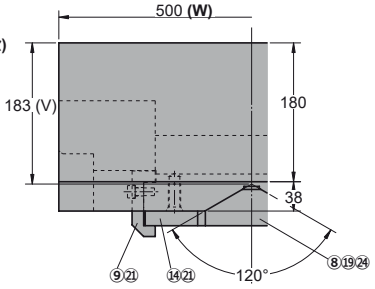
AZOL GAS

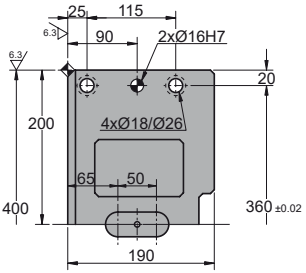
AWBC 0500 00



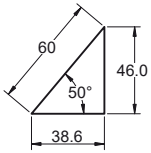




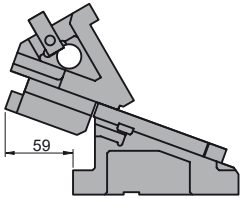




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	222.3	AWBC	0500	00
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 00

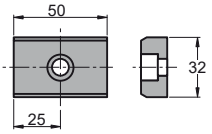
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

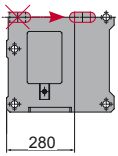
KEY

K



4 x M8x15

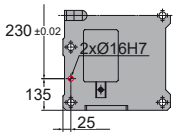
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 00-K
AWBC 0500 00-G-P16
AWBC 0500 00-G-P16-K
AWBC 0500 00-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

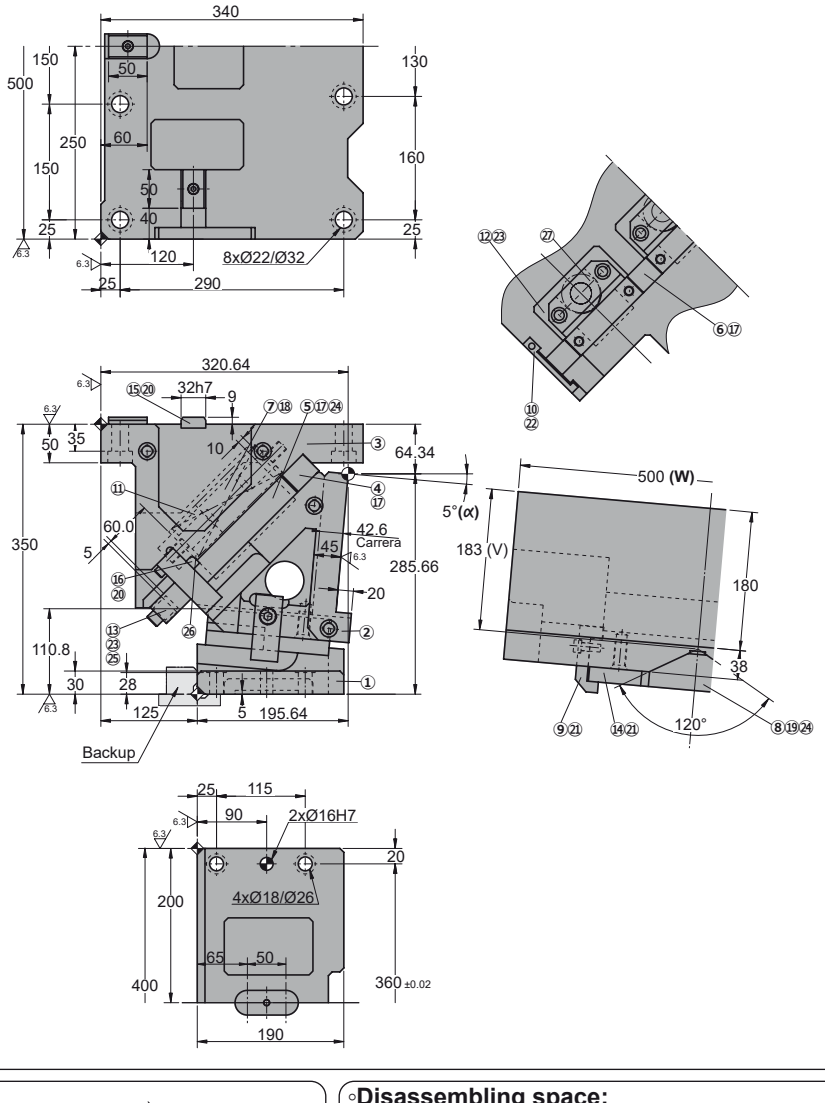
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

AWBC 0500

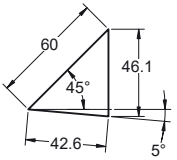
Aerial cam for pierce and flange

AZOL GAS

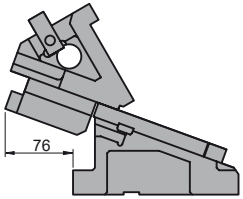
AWBC 0500 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.4	AWBC	0500	05
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 05

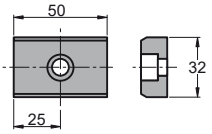
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

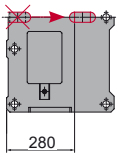
KEY

K



4 x M8x15

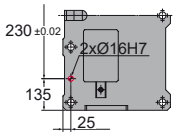
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 05-K
AWBC 0500 05-G-P16
AWBC 0500 05-G-P16-K
AWBC 0500 05-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

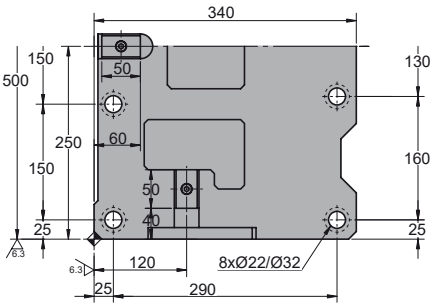
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

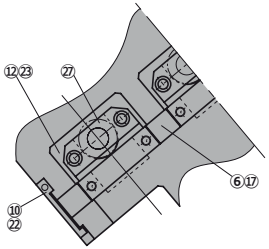
AWBC 0500

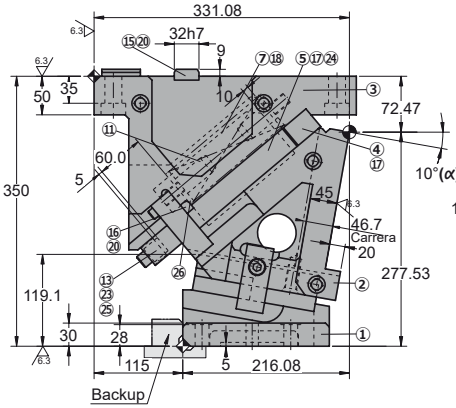
Aerial cam for pierce and flange

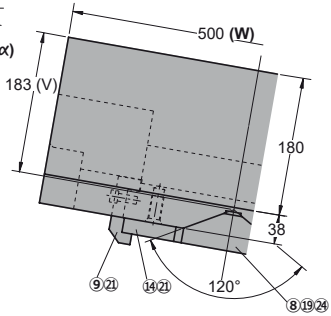
AZOL GAS

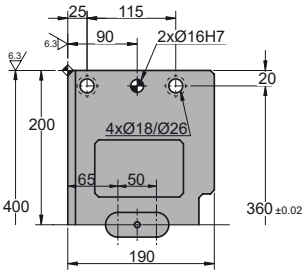
AWBC 0500 10



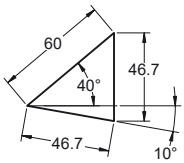




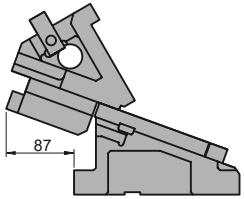




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	218.8	AWBC	0500	10
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 10

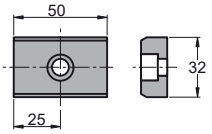
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

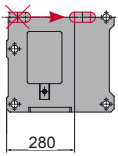
KEY

K



4 x M8x15

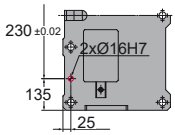
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 10-K

AWBC 0500 10-G-P16

AWBC 0500 10-G-P16-K

AWBC 0500 10-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

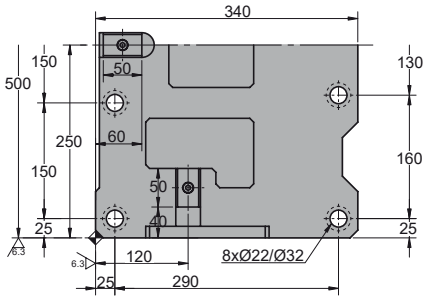
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

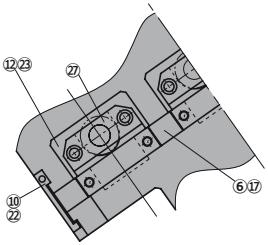
AWBC 0500

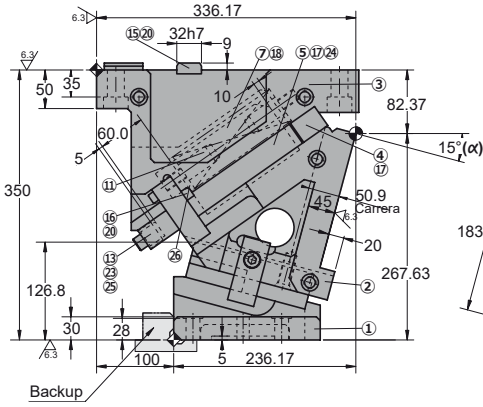
Aerial cam for pierce and flange

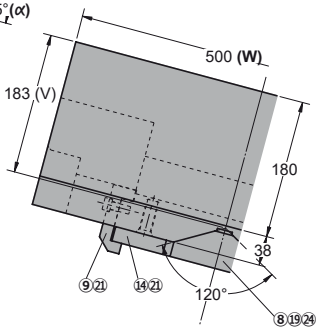
AZOL GAS

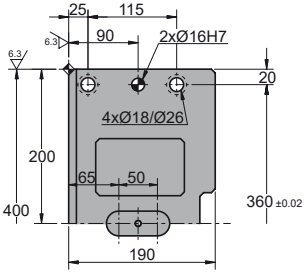
AWBC 0500 15



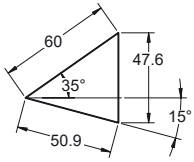




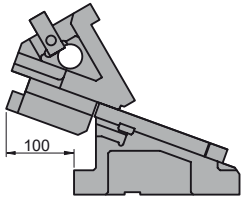




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	216.3	AWBC	0500	15
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 15

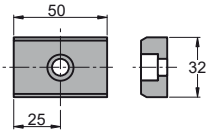
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

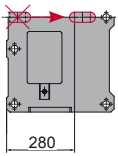
KEY

K



4 x M8x15

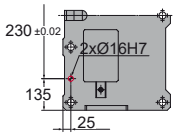
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 15-K

AWBC 0500 15-G-P16

AWBC 0500 15-G-P16-K

AWBC 0500 15-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

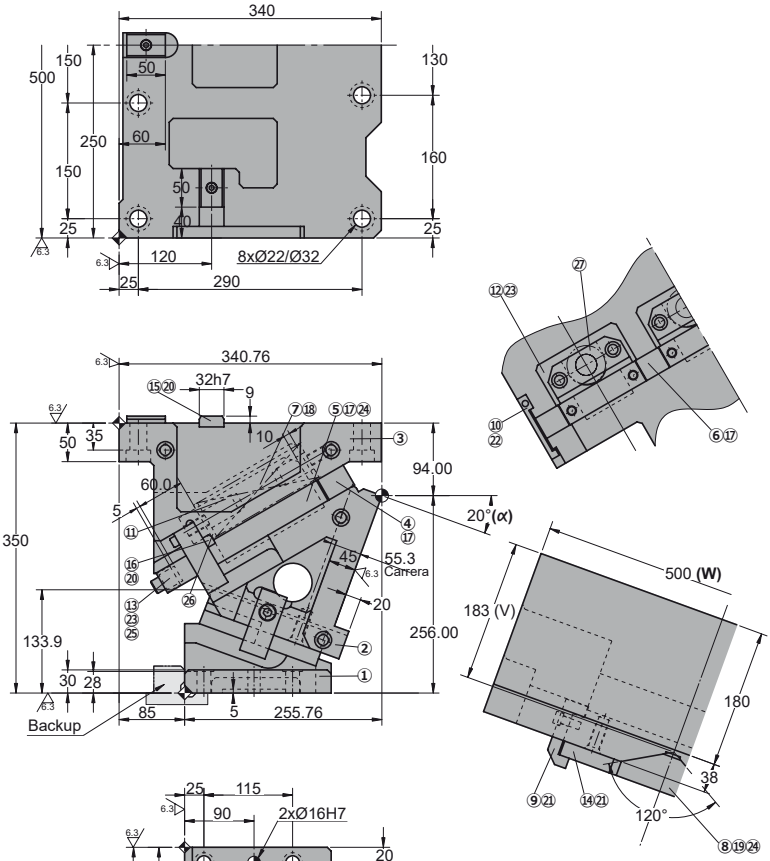
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

AWBC 0500

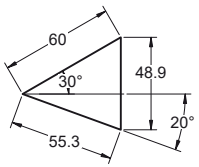
Aerial cam for pierce and flange

AZOL GAS

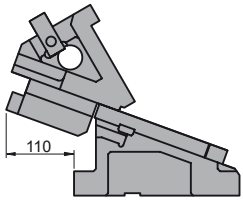
AWBC 0500 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	215.1	AWBC	0500	20
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 20

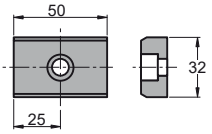
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

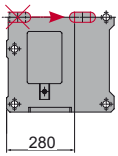
KEY

K



4 x M8x15

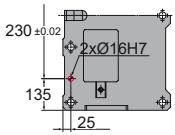
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 20-K

AWBC 0500 20-G-P16

AWBC 0500 20-G-P16-K

AWBC 0500 20-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

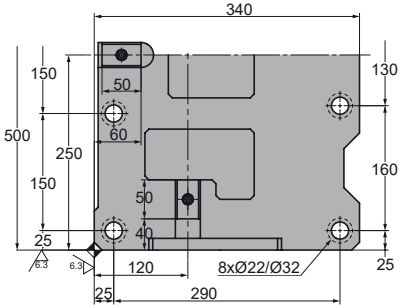
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

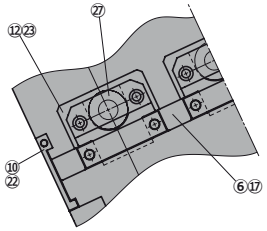
AWBC 0500

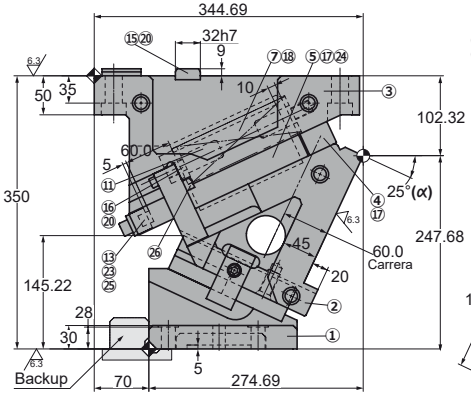
Aerial cam for pierce and flange

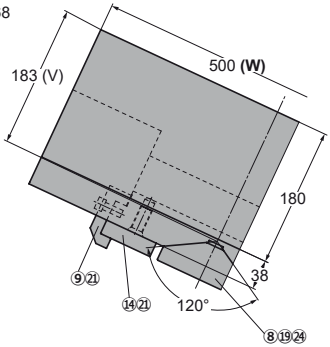
AZOL GAS

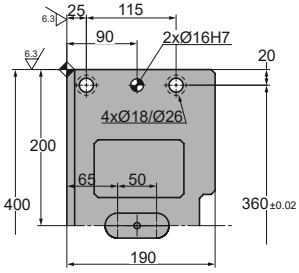
AWBC 0500 25



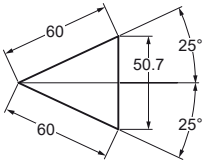




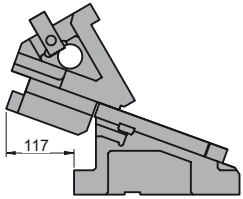




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	217.1	AWBC	500	25
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 25

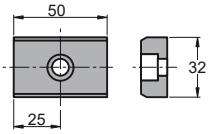
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

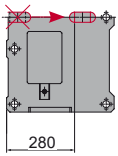
KEY

K



4 x M8x15

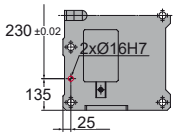
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 25-K
AWBC 0500 25-G-P16
AWBC 0500 25-G-P16-K
AWBC 0500 25-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

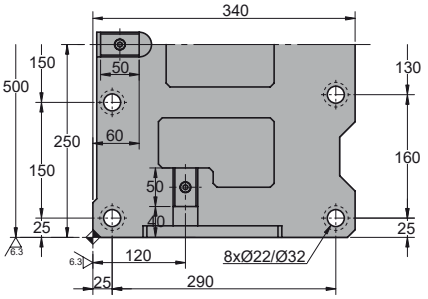
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

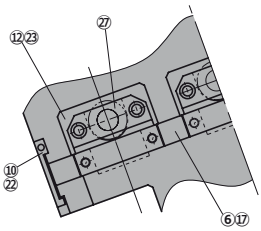
AWBC 0500

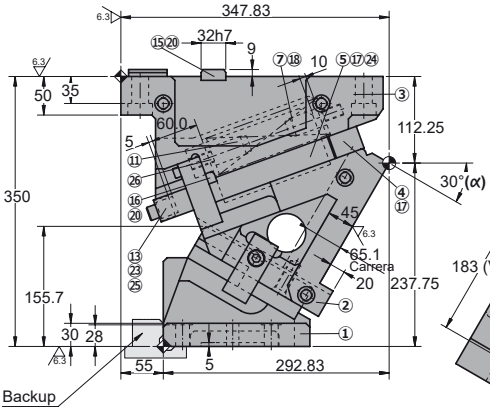
Aerial cam for pierce and flange

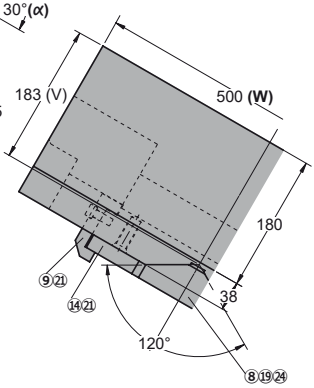
AZOL GAS

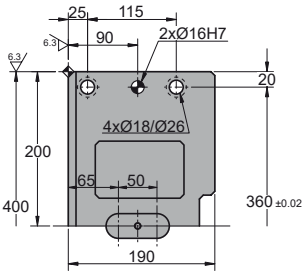
AWBC 0500 30



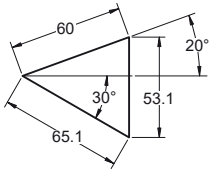




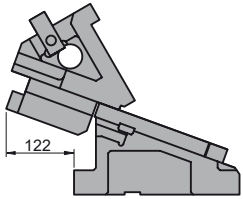




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	216.1	AWBC	0500	30
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 30

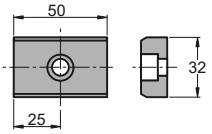
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

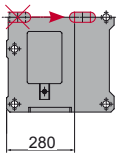
KEY

K



4 x M8x15

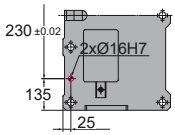
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 30-K

AWBC 0500 30-G-P16

AWBC 0500 30-G-P16-K

AWBC 0500 30-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

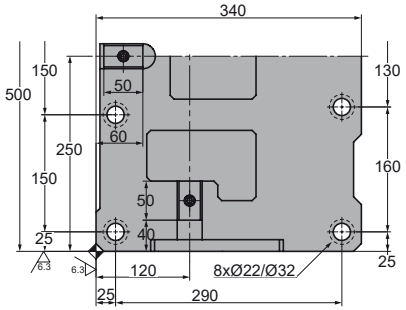
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

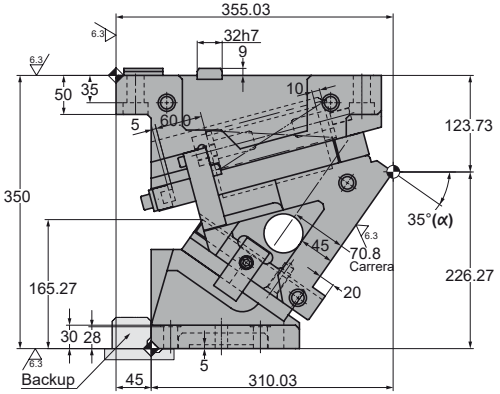
AWBC 0500

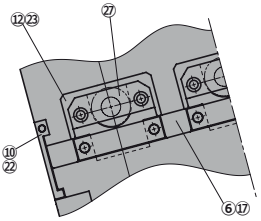
Aerial cam for pierce and flange

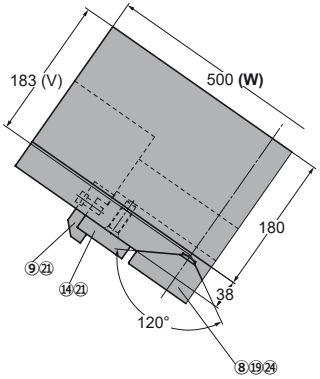
AZOL GAS

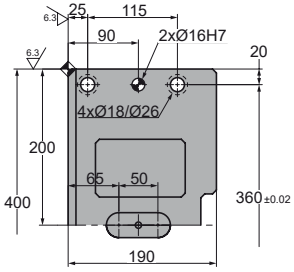
AWBC 0500 35



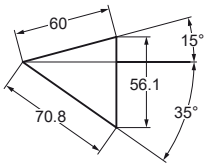




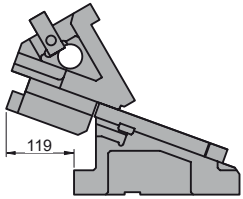




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	222.1	AWBC	500	35
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 35

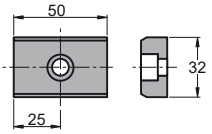
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

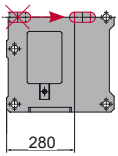
KEY

K



4 x M8x15

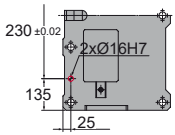
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 35-K

AWBC 0500 35-G-P16

AWBC 0500 35-G-P16-K

AWBC 0500 35-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

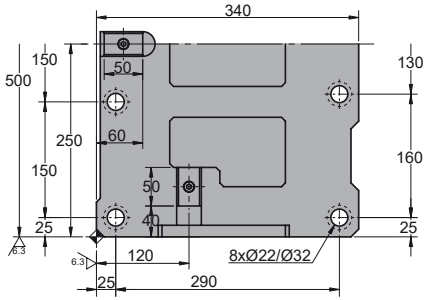
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

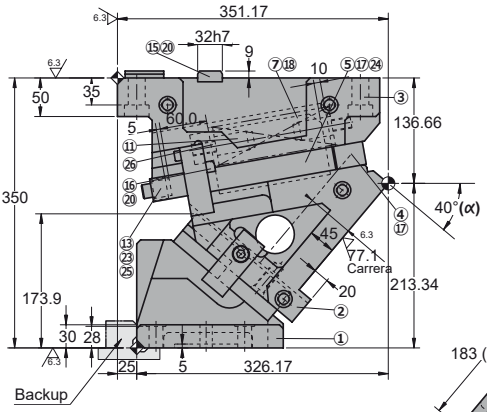
AWBC 0500

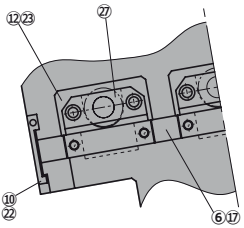
Aerial cam for pierce and flange

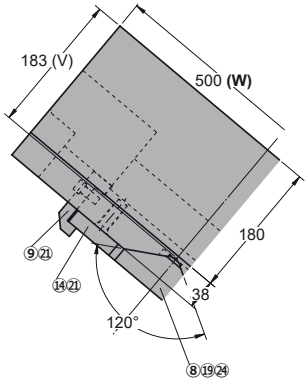
AZOL GAS

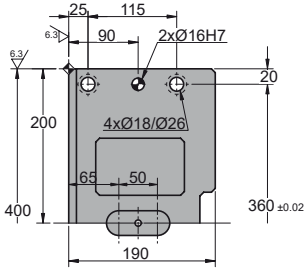
AWBC 0500 40



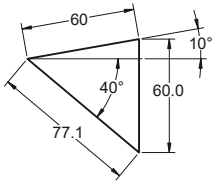




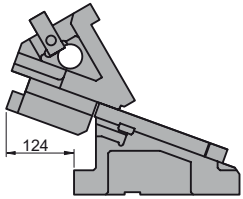




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.4	AWBC	0500	40
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 40

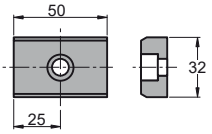
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

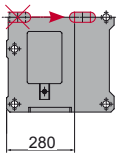
KEY

K



4 x M8x15

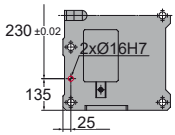
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 40-K

AWBC 0500 40-G-P16

AWBC 0500 40-G-P16-K

AWBC 0500 40-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

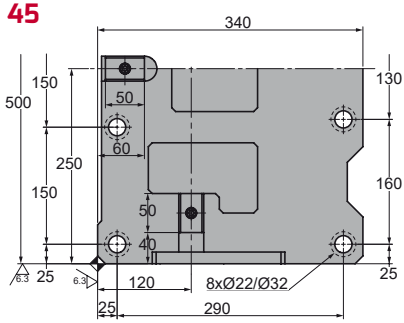
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

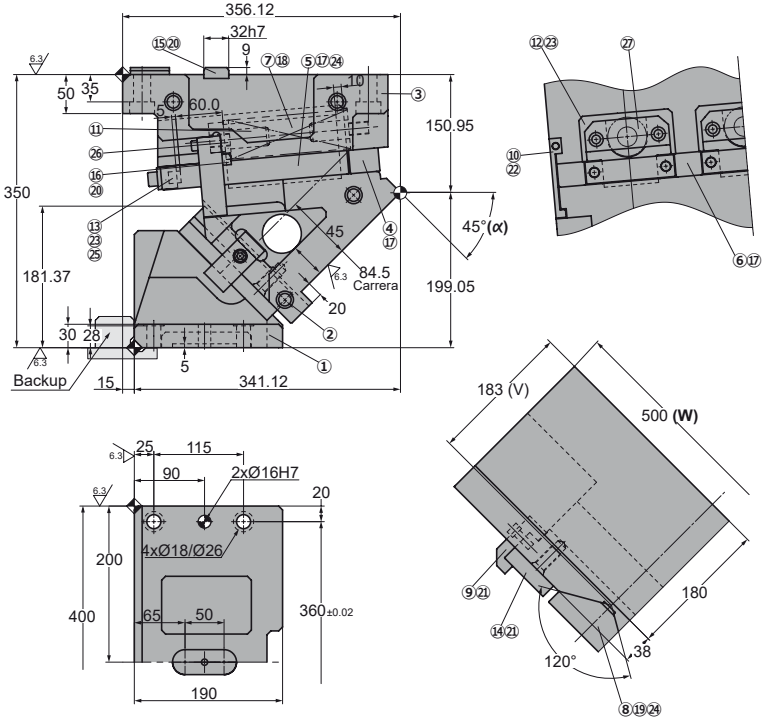
AWBC 0500

Aerial cam for pierce and flange

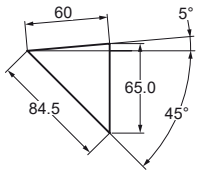
AZOL GAS

AWBC 0500 45

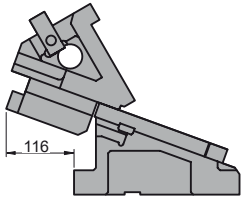




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	223.0	AWBC	500	45
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 45

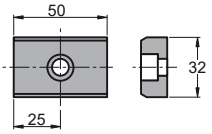
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

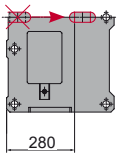
KEY

K



4 x M8x15

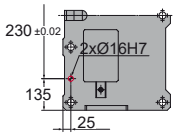
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 45-K

AWBC 0500 45-G-P16

AWBC 0500 45-G-P16-K

AWBC 0500 45-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

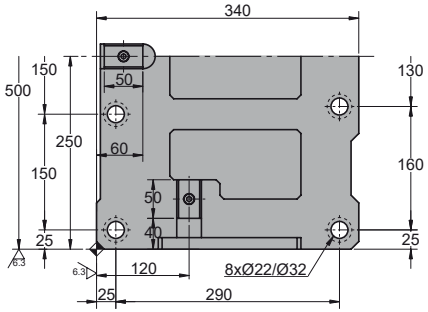
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

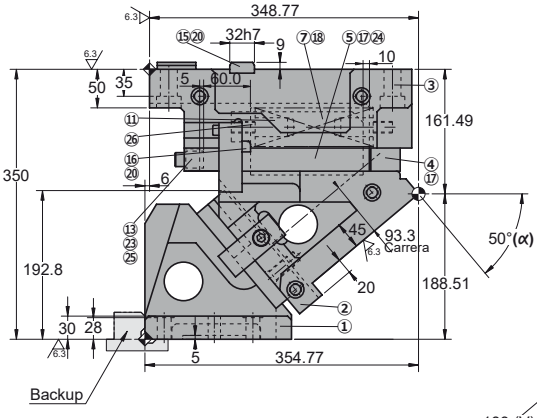
AWBC 0500

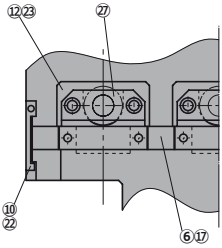
Aerial cam for pierce and flange

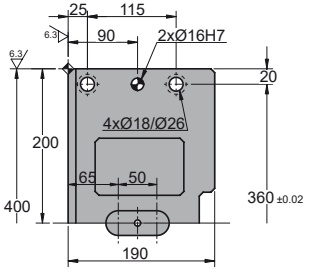
AZOL GAS

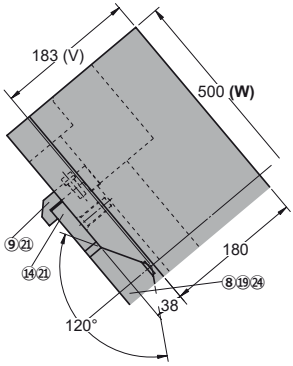
AWBC 0500 50



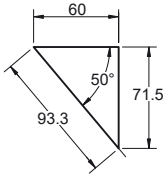




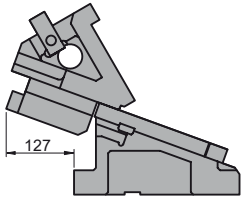




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	220.1	AWBC	0500	50
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 50

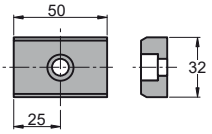
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

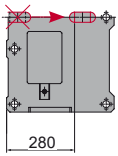
KEY

K



4 x M8x15

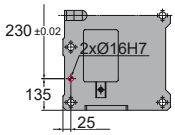
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 50-K

AWBC 0500 50-G-P16

AWBC 0500 50-G-P16-K

AWBC 0500 50-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

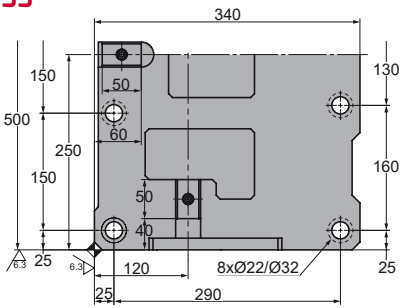
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

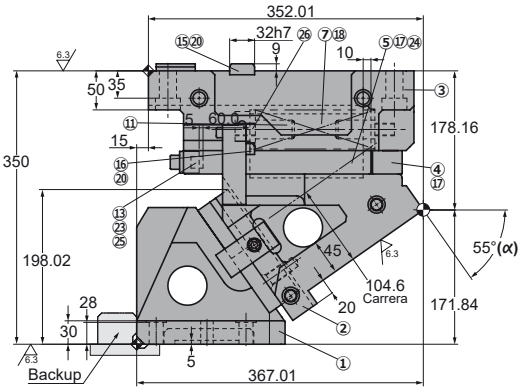
AWBC 0500

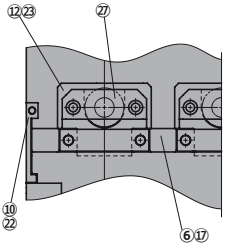
Aerial cam for pierce and flange

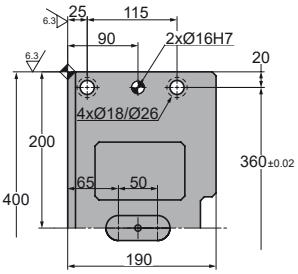
AZOL GAS

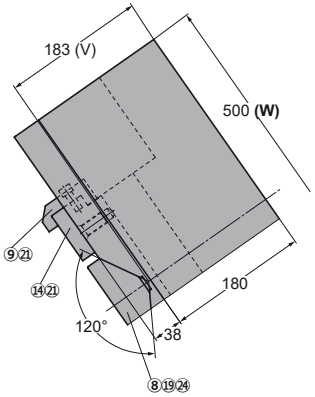
AWBC 0500 55



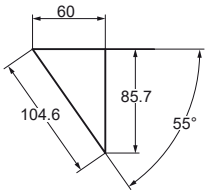




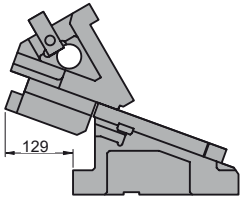




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	227.2	AWBC	500	55
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 55

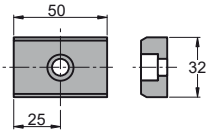
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

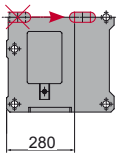
KEY

K



4 x M8x15

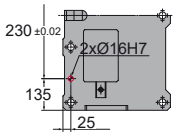
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 55-K

AWBC 0500 55-G-P16

AWBC 0500 55-G-P16-K

AWBC 0500 55-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

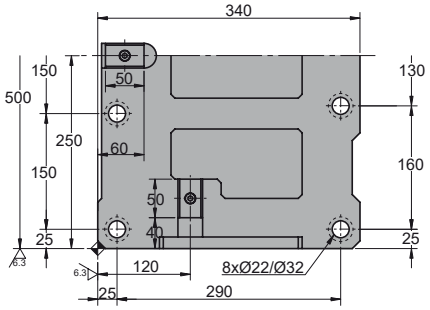
No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

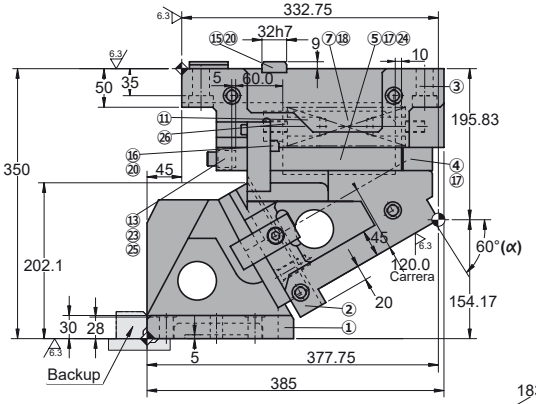
AWBC 0500

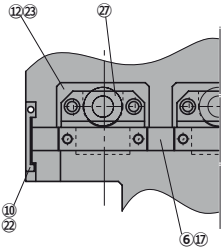
Aerial cam for pierce and flange

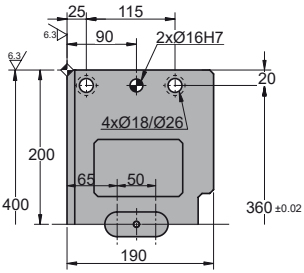
AZOL GAS

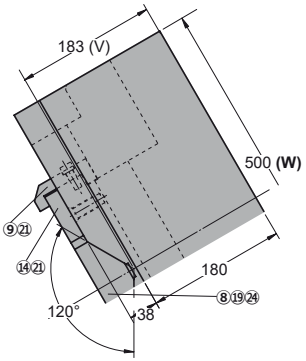
AWBC 0500 60



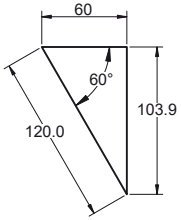




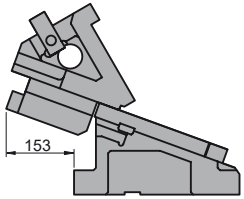




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0500

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	313.6 (32.0)	627.2 (64.0)	2451.6 (249.8)	14709.6 (1499.0)	236.5	AWBC	0500	60
			G ---	G 20189.1 (2058.7)				

Order: Model (W) (α)

AWBC 0500 60

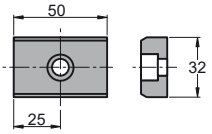
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

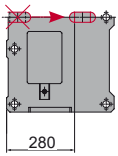
KEY

K



4 x M8x15

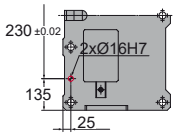
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0500 60-K

AWBC 0500 60-G-P16

AWBC 0500 60-G-P16-K

AWBC 0500 60-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	1	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	3	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK45
⑪	Spring Guide Pin	6	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze

No.	Description	Qty.	Material
⑮	Key A	3	CK45
⑯	Key B	4	CK45
⑰	Screw	14	M16 x 45
⑱	Screw	6	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	7	M8 x 15
㉑	Screw	8	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	12	M12 x 40
㉔	Dowel Pin	6	Ø13 x 40
㉕	Stopper	3	Urethane
㉖	Washer	3	CK45
㉗	Coil Spring	3	TM50-225
㉗	Gas Spring	3	FD 750 080 V1 (87 Bar)

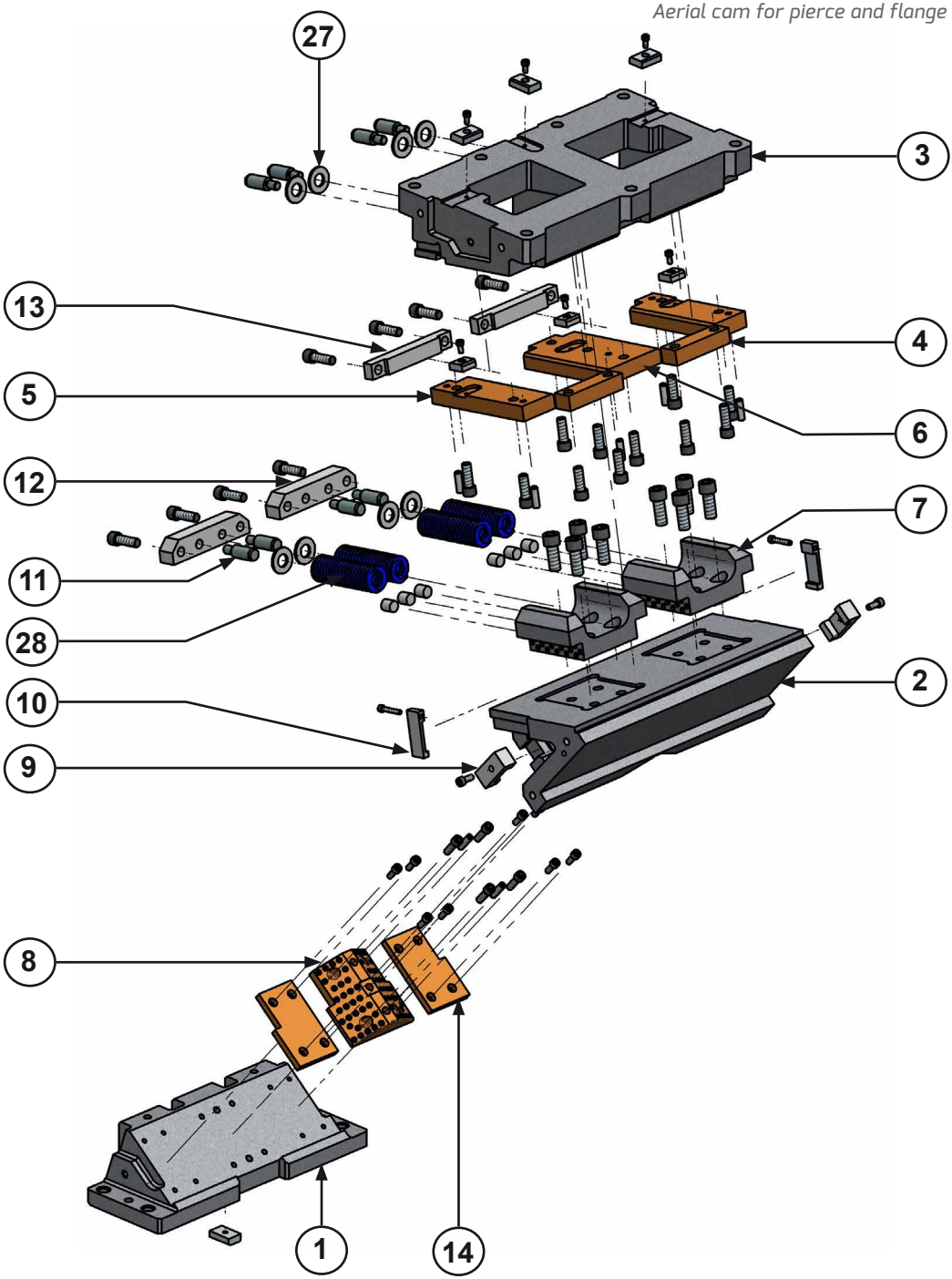
AWBC 0500

Aerial cam for pierce and flange

AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

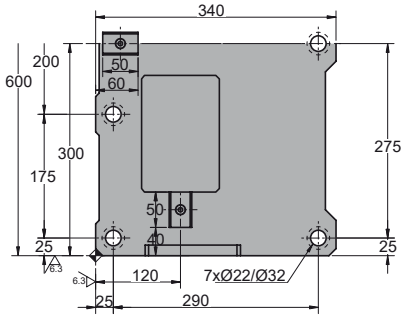


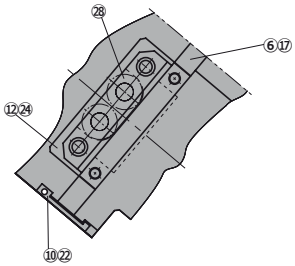
AWBC 0600

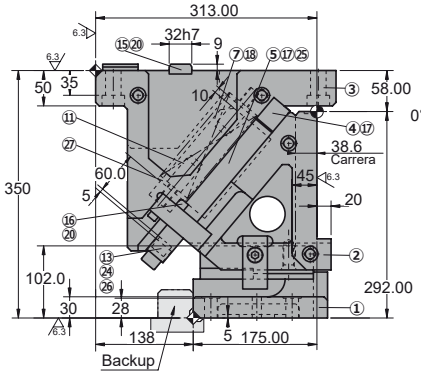
Aerial cam for pierce and flange

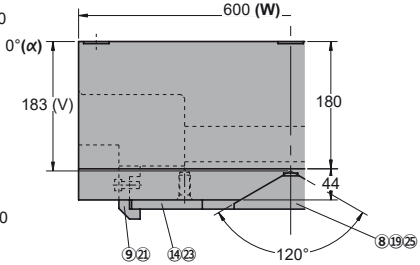
AZOL GAS

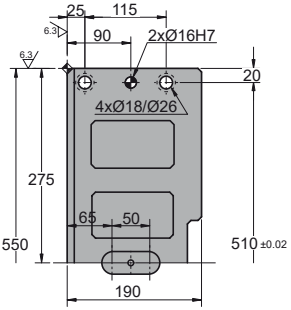
AWBC 0600 00



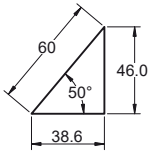




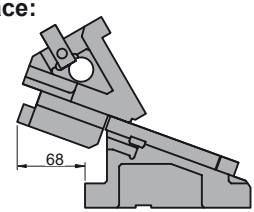




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	281.4	AWBC	0600	00
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

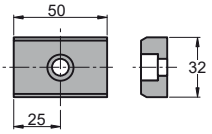
AWBC 0600 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

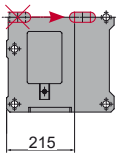
K - KF KEY

K



4 x M8x15

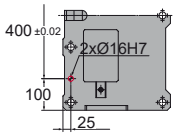
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 00-K

AWBC 0600 00-G-P16

AWBC 0600 00-G-P16-K

AWBC 0600 00-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

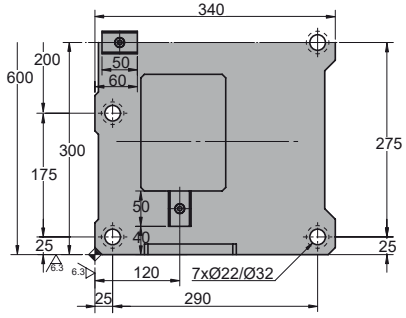
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

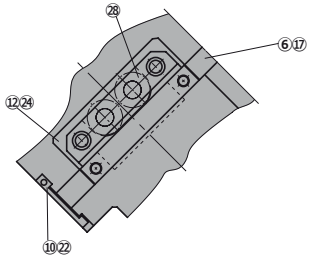
AWBC 0600

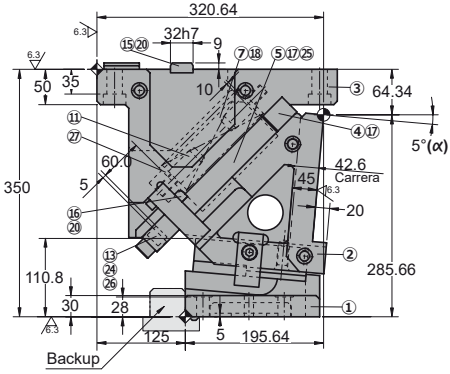
Aerial cam for pierce and flange

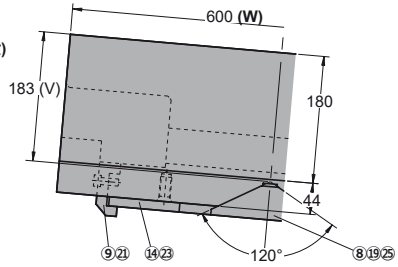
AZOL GAS

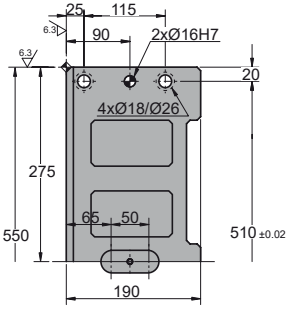
AWBC 0600 05



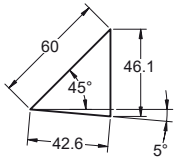




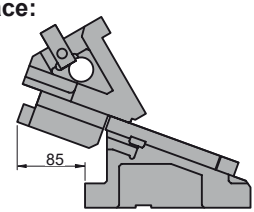




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	277.9	AWBC	0600	05
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 05

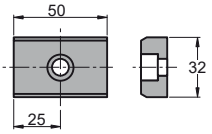
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

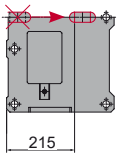
KEY

K



4 x M8x15

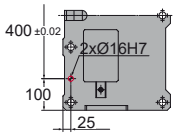
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 05-K

AWBC 0600 05-G-P16

AWBC 0600 05-G-P16-K

AWBC 0600 05-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

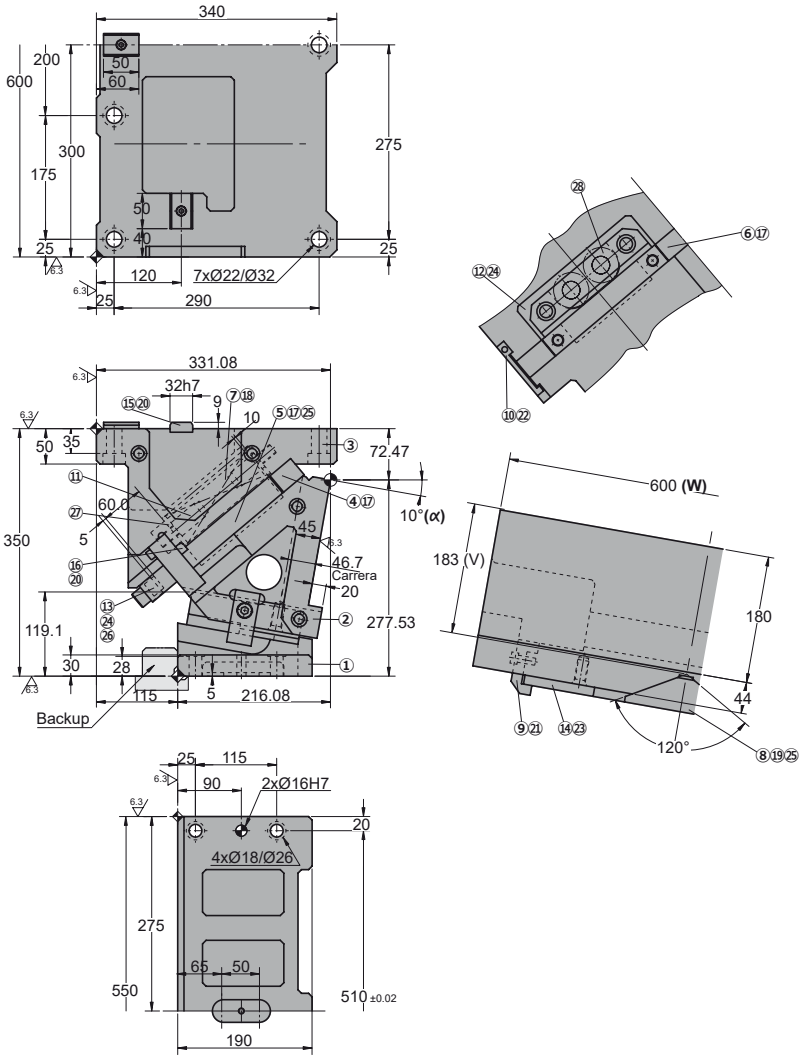
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

AWBC 0600

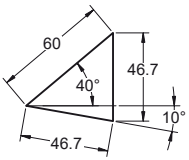
Aerial cam for pierce and flange

AZOL GAS

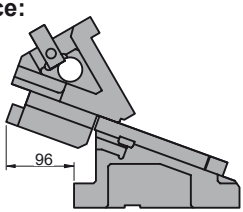
AWBC 0600 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	274.1	AWBC	0600	10
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

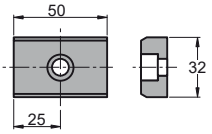
AWBC 0600 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

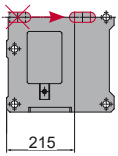
K - KF KEY

K



4 x M8x15

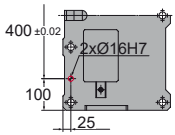
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 10-K

AWBC 0600 10-G-P16

AWBC 0600 10-G-P16-K

AWBC 0600 10-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

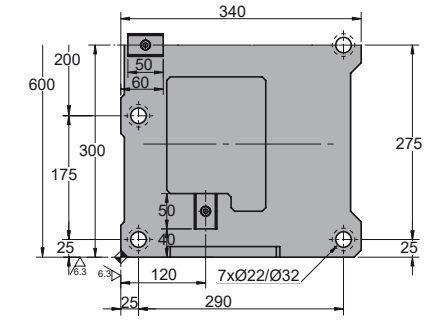
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

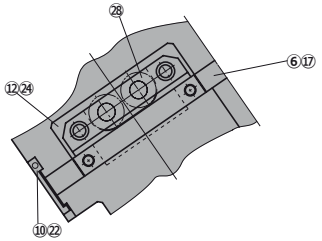
AWBC 0600

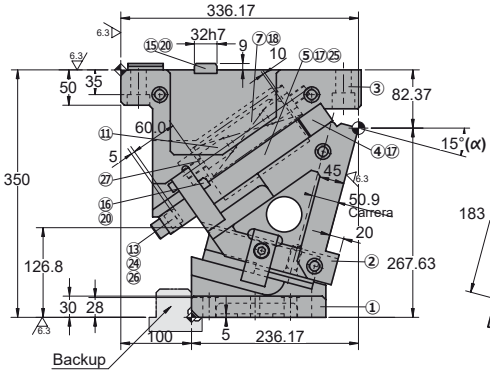
Aerial cam for pierce and flange

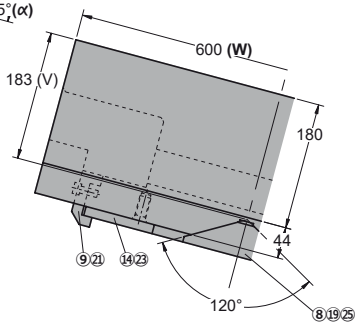
AZOL GAS

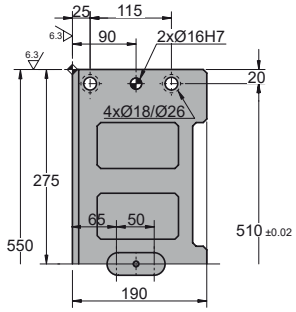
AWBC 0600 15



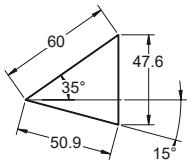




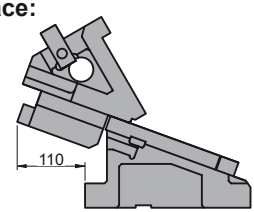




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	272.3	AWBC	0600	15
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 15

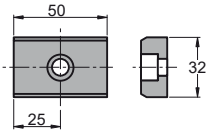
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

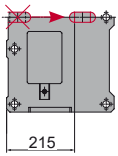
KEY

K



4 x M8x15

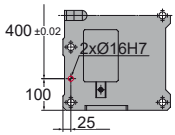
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 15-K

AWBC 0600 15-G-P16

AWBC 0600 15-G-P16-K

AWBC 0600 15-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

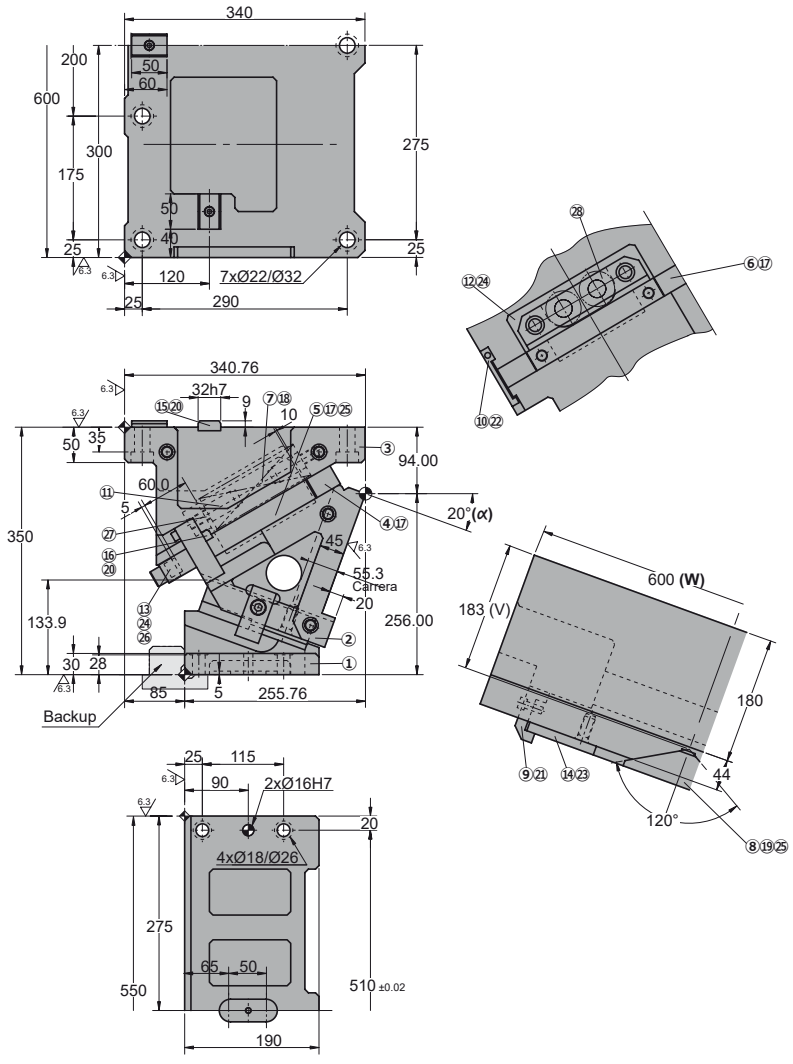
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

AWBC 0600

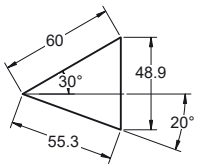
Aerial cam for pierce and flange

AZOL GAS

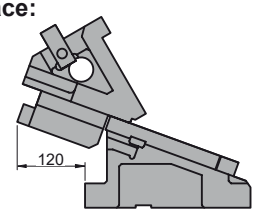
AWBC 0600 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	268.8	AWBC	0600	20
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 20

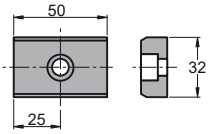
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

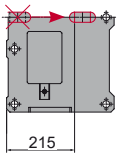
KEY

K



4 x M8x15

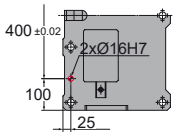
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 20-K

AWBC 0600 20-G-P16

AWBC 0600 20-G-P16-K

AWBC 0600 20-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

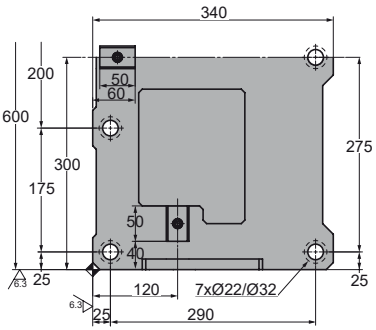
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

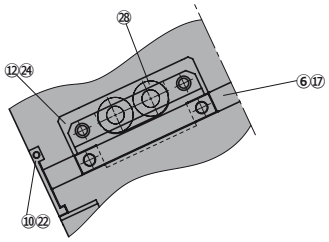
AWBC 0600

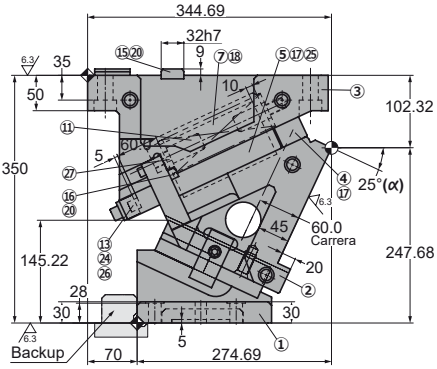
Aerial cam for pierce and flange

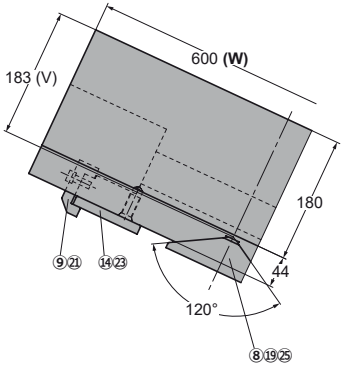
AZOL GAS

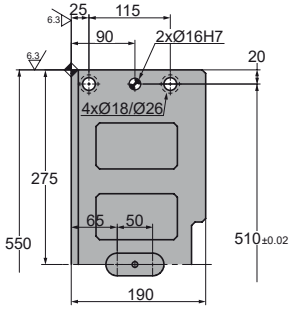
AWBC 0600 25



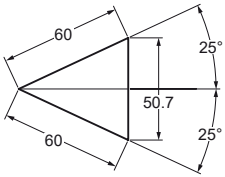




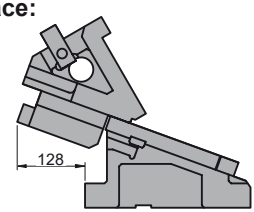




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	268.3	AWBC	0600	25
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 25

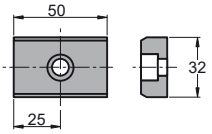
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

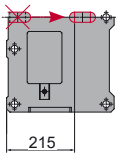
KEY

K



4 x M8x15

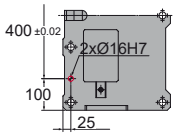
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 25-K

AWBC 0600 25-G-P16

AWBC 0600 25-G-P16-K

AWBC 0600 25-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉘ Coil Spring
㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

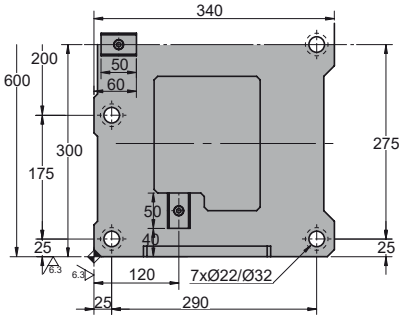
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

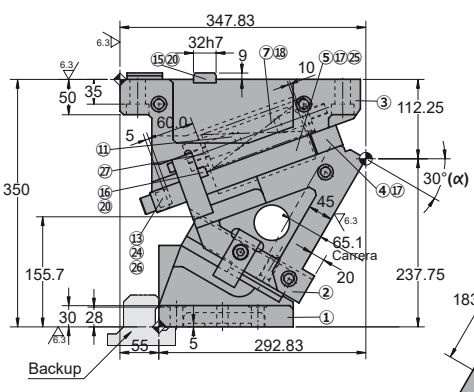
AWBC 0600

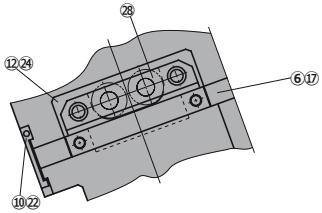
Aerial cam for pierce and flange

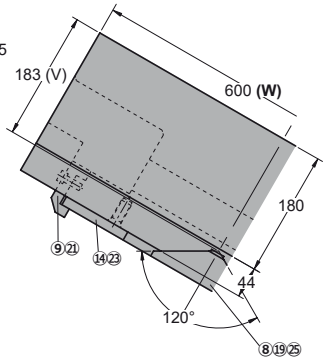
AZOL GAS

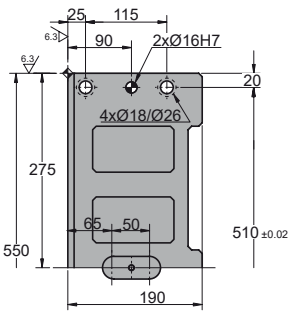
AWBC 0600 30



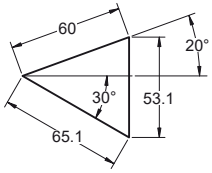




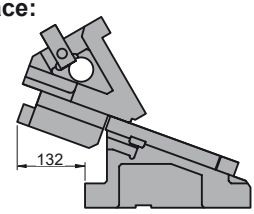




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	276.6	AWBC	0600	30
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

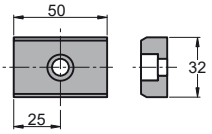
AWBC 0600 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

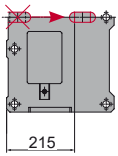
K - KF KEY

K



4 x M8x15

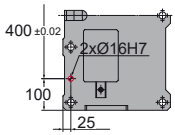
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 30-K

AWBC 0600 30-G-P16

AWBC 0600 30-G-P16-K

AWBC 0600 30-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

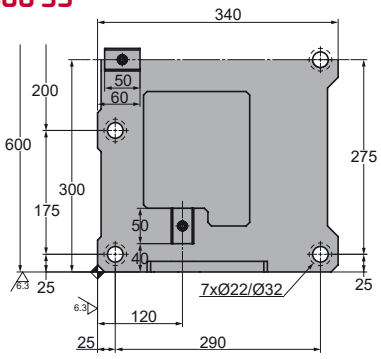
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

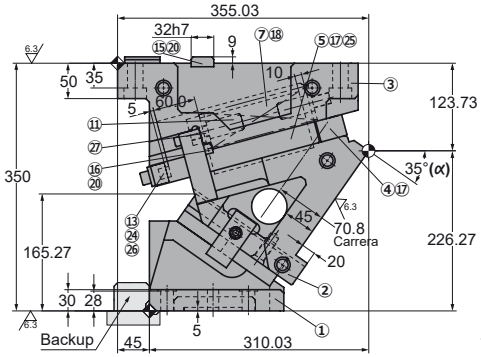
AWBC 0600

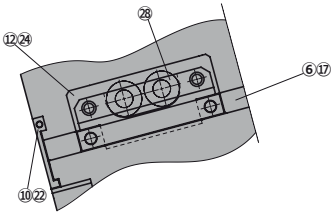
Aerial cam for pierce and flange

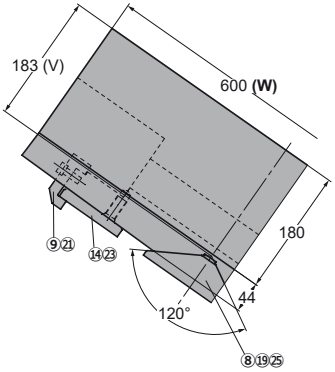
AZOL GAS

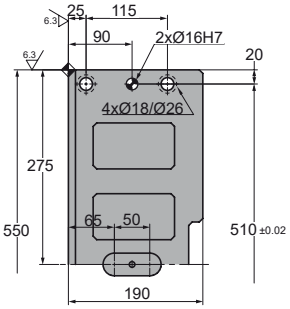
AWBC 0600 35



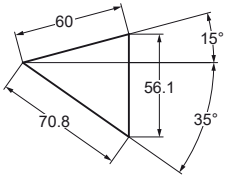




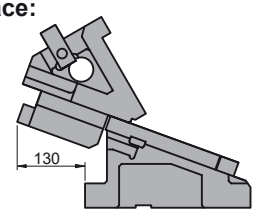




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	276.0	AWBC	0600	35
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 35

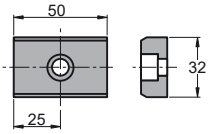
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

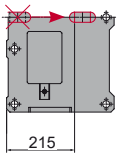
KEY

K



4 x M8x15

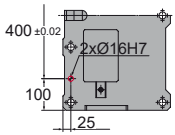
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 35-K

AWBC 0600 35-G-P16

AWBC 0600 35-G-P16-K

AWBC 0600 35-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

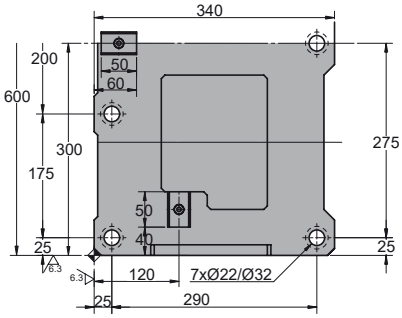
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

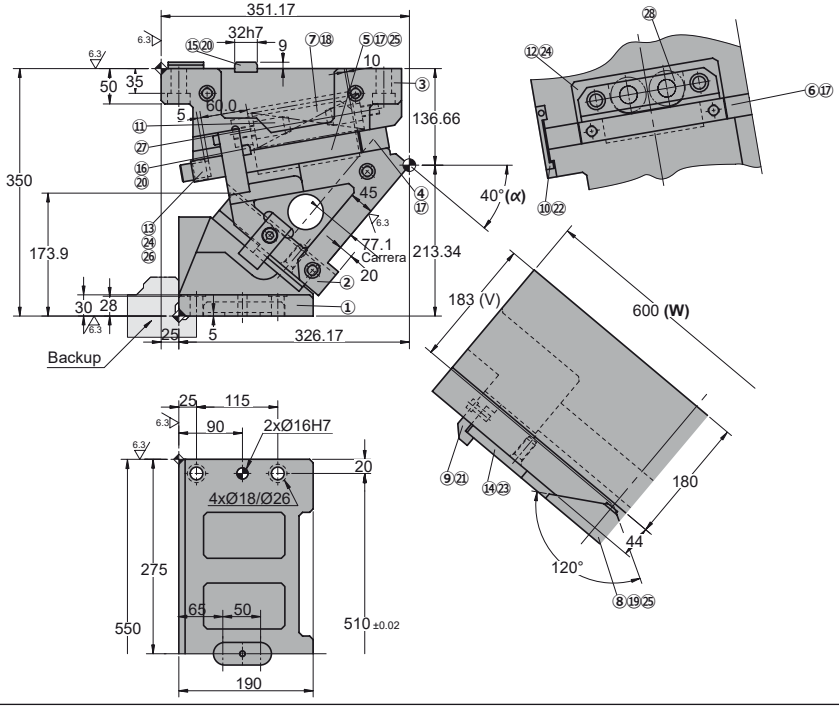
AWBC 0600

Aerial cam for pierce and flange

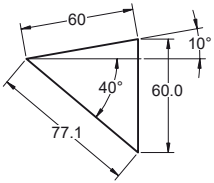
AZOL GAS

AWBC 0600 40

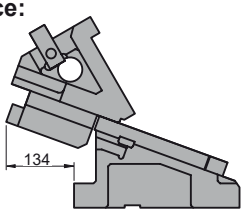




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	285.2	AWBC	0600	40
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 40

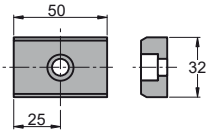
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

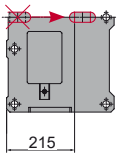
KEY

K



4 x M8x15

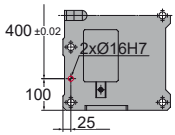
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 40-K

AWBC 0600 40-G-P16

AWBC 0600 40-G-P16-K

AWBC 0600 40-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

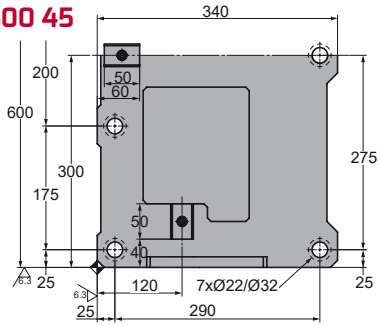
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

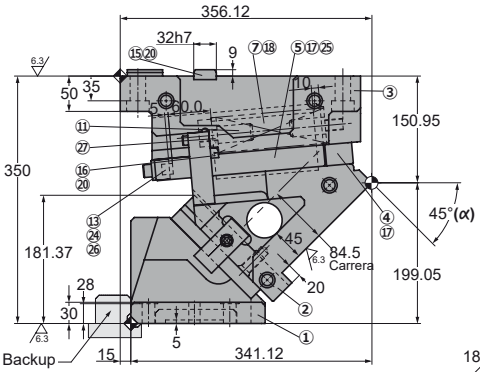
AWBC 0600

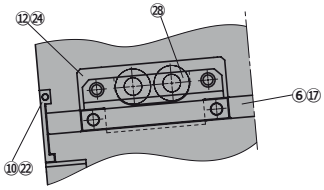
Aerial cam for pierce and flange

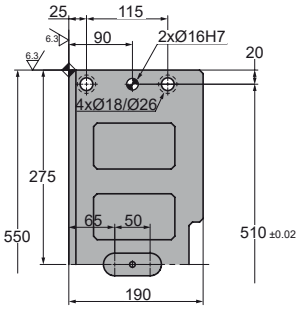
AZOL GAS

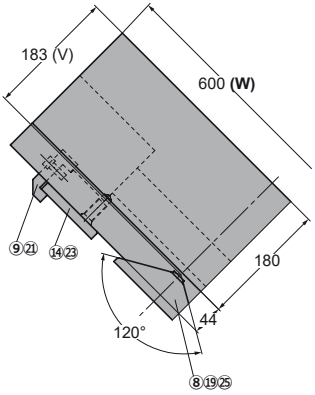
AWBC 0600 45



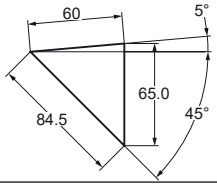




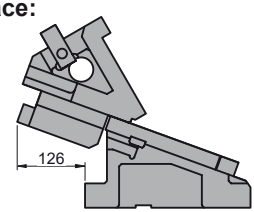




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	284.4	AWBC	0600	45
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

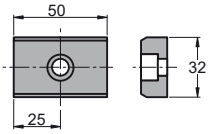
AWBC 0600 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

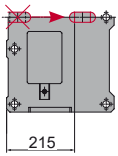
K - KF KEY

K



4 x M8x15

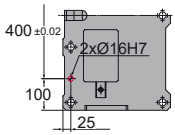
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 45-K

AWBC 0600 45-G-P16

AWBC 0600 45-G-P16-K

AWBC 0600 45-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉘ Coil Spring
㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

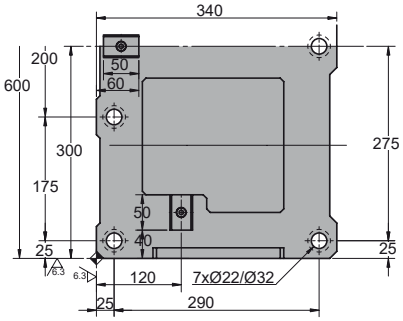
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

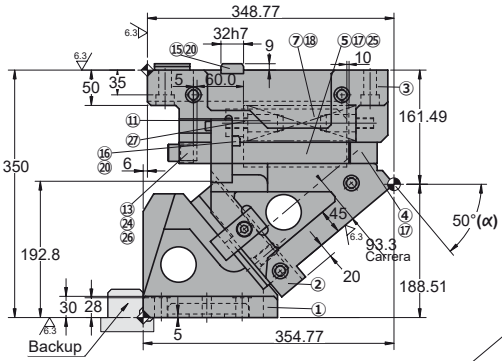
AWBC 0600

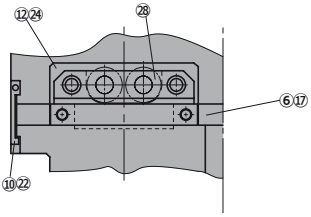
Aerial cam for pierce and flange

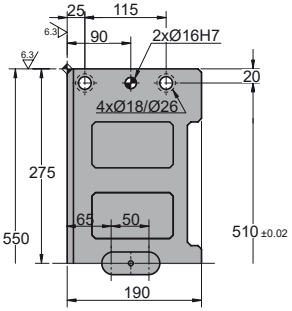
AZOL GAS

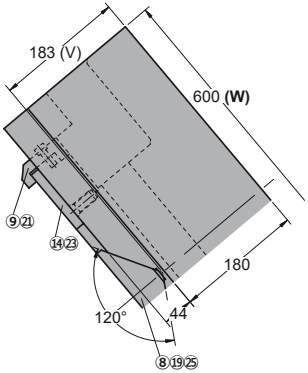
AWBC 0600 50



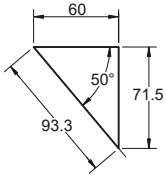




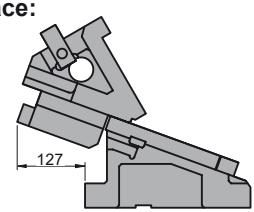




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	283.5	AWBC	0600	50
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 50

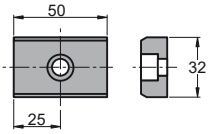
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

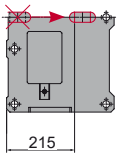
KEY

K



4 x M8x15

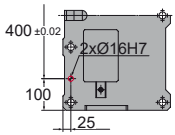
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 50-K

AWBC 0600 50-G-P16

AWBC 0600 50-G-P16-K

AWBC 0600 50-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

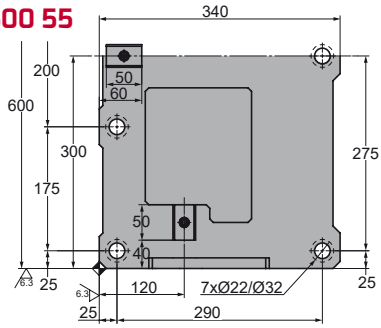
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

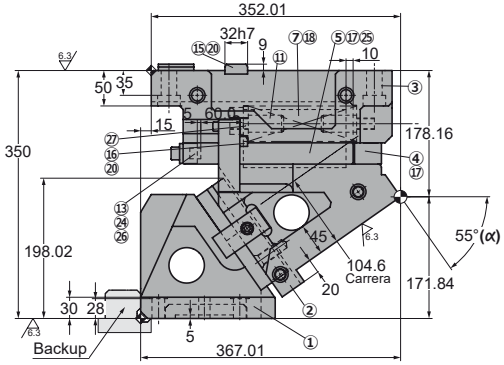
AWBC 0600

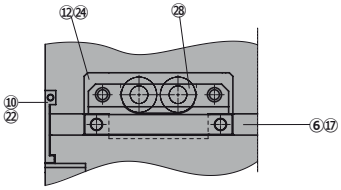
Aerial cam for pierce and flange

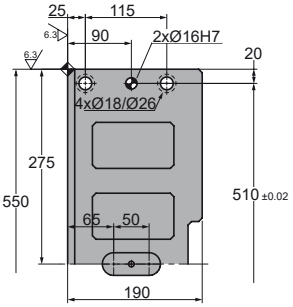
AZOL GAS

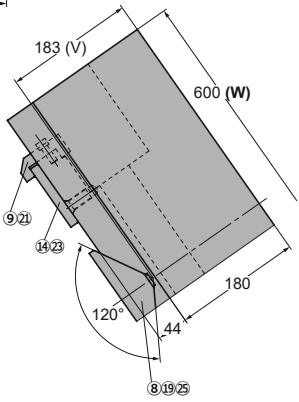
AWBC 0600 55



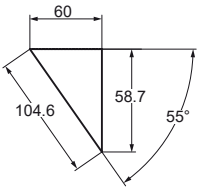




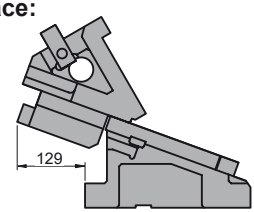




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	292.0	AWBC	0600	55
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 55

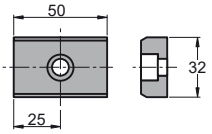
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

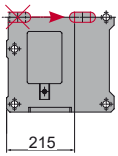
KEY

K



4 x M8x15

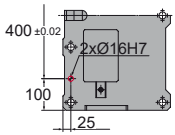
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 55-K

AWBC 0600 55-G-P16

AWBC 0600 55-G-P16-K

AWBC 0600 55-G-P16-KF

SPARE PARTS:

⑤ Base Plate B
⑥ Base Plate C
⑧ Slider Guide
⑭ Plate
㉘ Coil Spring
㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

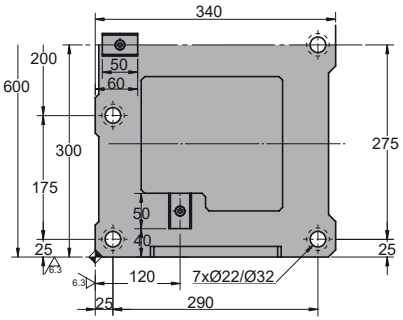
No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

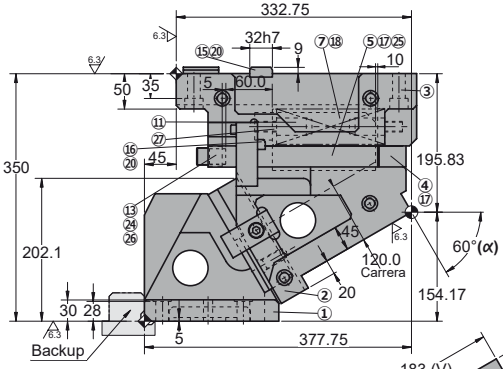
AWBC 0600

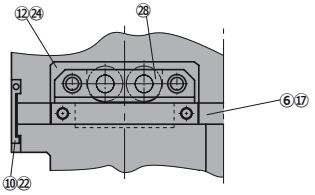
Aerial cam for pierce and flange

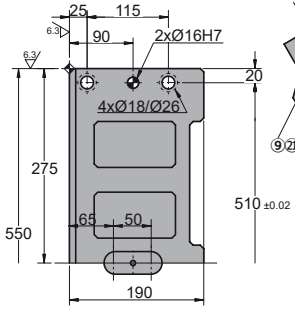
AZOL GAS

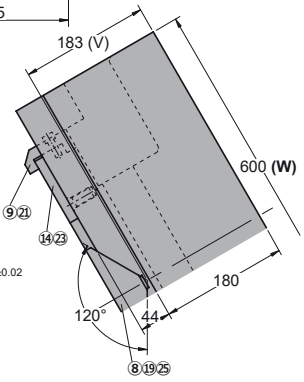
AWBC 0600 60



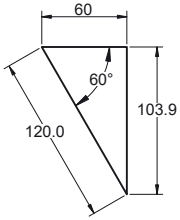




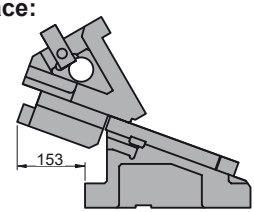




◦Cam diagram:



◦Disassembling space:



AZOL GAS

AWBC 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	392.0 (40.0)	784.0 (79.9)	3268.8 (333.1)	19612.8 (1998.7)	295.6	AWBC	0600	60
			G ---	G 26918.9 (2745.0)				

Order: Model (W) (α)

AWBC 0600 60

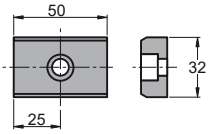
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KF

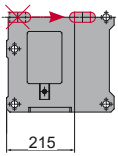
KEY

K



4 x M8x15

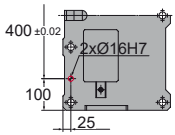
KF



P PINS

P16 - Ø16 H7.





G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

AWBC 0600 60-K

AWBC 0600 60-G-P16

AWBC 0600 60-G-P16-K

AWBC 0600 60-G-P16-KF

SPARE PARTS:

- ⑤ Base Plate B
- ⑥ Base Plate C
- ⑧ Slider Guide
- ⑭ Plate
- ㉘ Coil Spring
- ㉘ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Base Plate A	2	Bronze + G
⑤	Base Plate B	1	Bronze + G
⑥	Base Plate C	1	Bronze + G
⑦	Spring Guide Block	2	GGG50 + G
⑧	Slider Guide	1	Bronze
⑨	Uña extractora A	2	CK45
⑩	Uña extractora B	2	CK45
⑪	Spring Guide Pin	8	CK45
⑫	Spring Guide Plate	1	CK45
⑬	Stopper Plate	1	CK45
⑭	Plate	1	Bronze
⑮	Key A	3	CK45

No.	Description	Qty.	Material
⑯	Key B	3	CK45
⑰	Screw	11	M16 x 45
⑱	Screw	8	M20 x 50
⑲	Screw	4	M12 x 35
⑳	Screw	6	M8 x 15
㉑	Screw	2	M10 x 25
㉒	Screw	2	M8 x 45
㉓	Screw	8	M10 x 20
㉔	Screw	8	M16 x 50
㉕	Dowel Pin	6	Ø13 x 40
㉖	Stopper	4	Goma
㉗	Washer	4	CK45
㉘	Coil Spring	4	TM50-225
㉘	Gas Spring	4	FD 750 080 V1 (87 Bar)

AWBC 0600

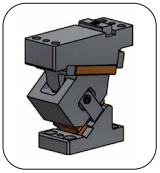
Aerial cam for pierce and flange

AZOL GAS

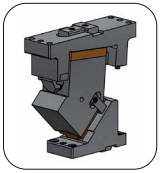
ASGN

Aerial cam for pierce

General information



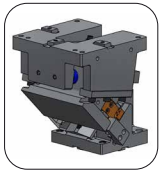
ASGN 0050
ASGN 0065



ASGN 0080



ASGN 0150

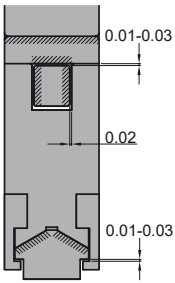


ASGN 0200
ASGN 0300

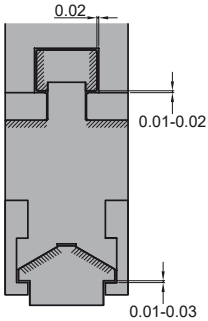
- Aerial cam.
- Angles from 0° to 65° with increments of 5°. (0° to 75° for ASGN 50) (0° to 60° for ASGN 65).
- "V" shaped sliding for auto-centered.
- Slider easy desassembly from the rear. (Except ASGN 0050 y 0065).

Adjustment clearances

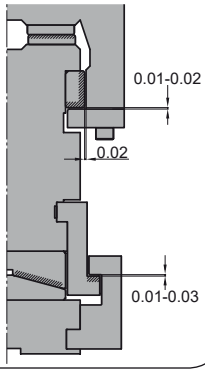
ASGN 0050 / 0080



ASGN 0065

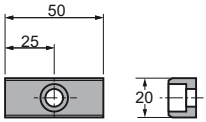


ASGN 0150 / 0200 / 0300

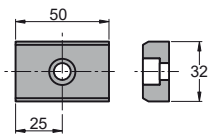


Keys

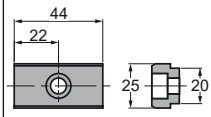
K
ASGN 0050 / 0065



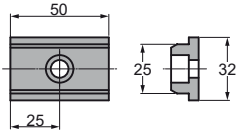
K
ASGN 0080 / 0150 / 0200 / 0300



KU
ASGN 0050 / 0065



KU
ASGN 0080 / 0150 / 0200 / 0300



ASGN

Aerial cam for pierce

AZOL GAS

Assembling and disassembling

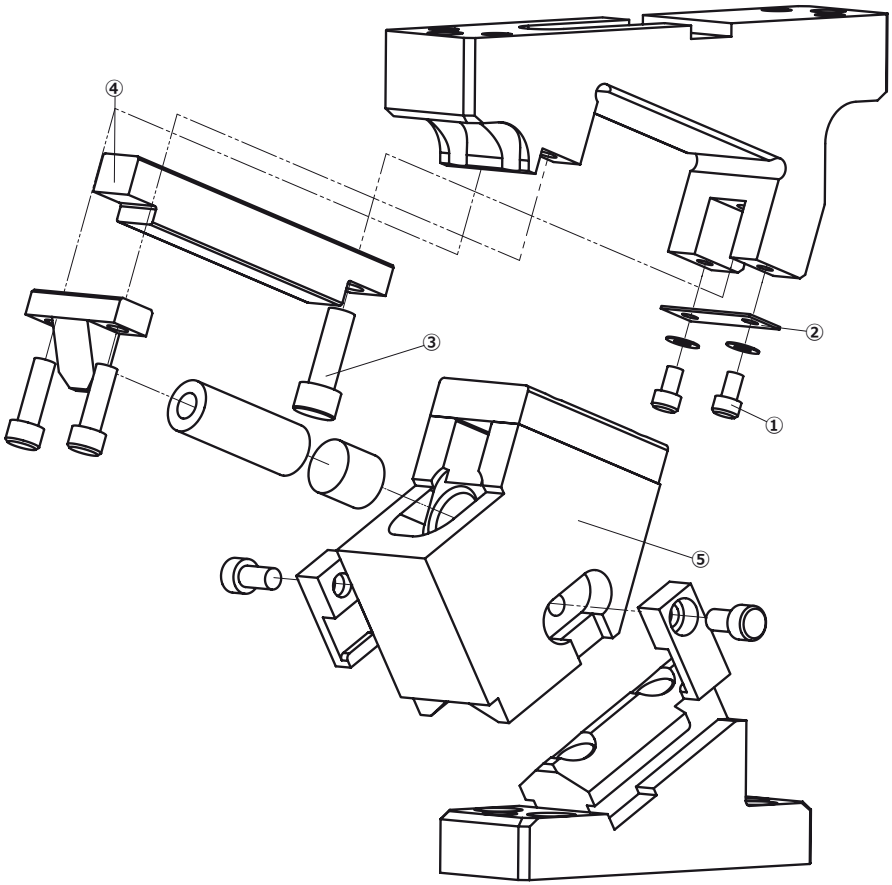
ASGN 0050 / 0080

Disassembling process

- Unscrew ① pieces and remoce securyti plate ②.
- Unscrew ③.
- Push guide bar ④ and remove cam slider ⑤.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

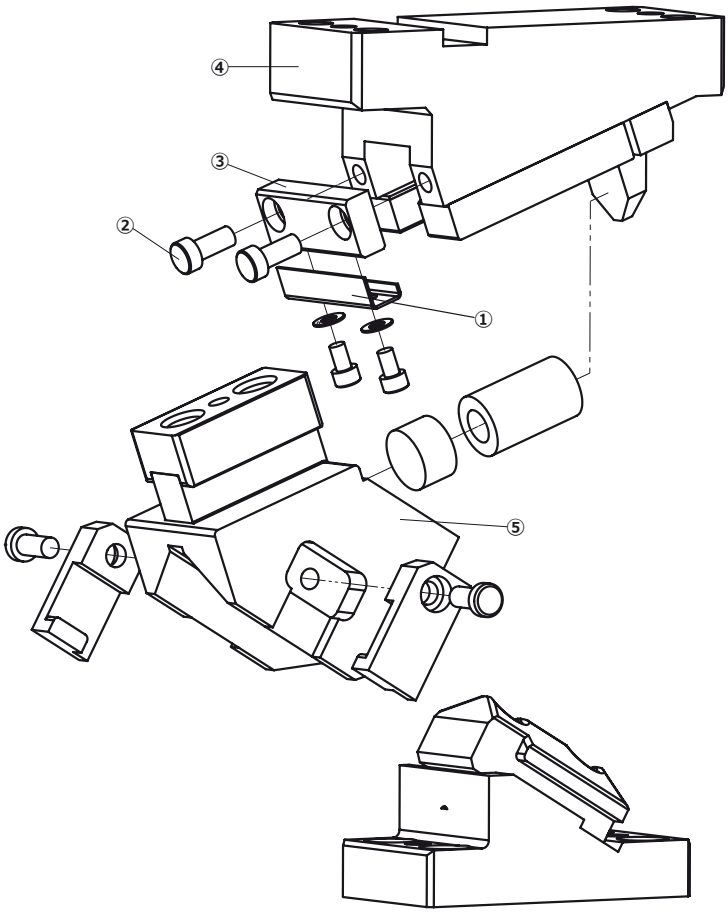
ASGN 0065

Disassembling process

- Unmount securyti plate ①.
- Unscrew ② pieces and remove stopper plate ③.
- Remove cam slider ⑤ on cam support ④ from the rear.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



ASGN

Aerial cam for pierce

AZOL GAS

Assembling and disassembling

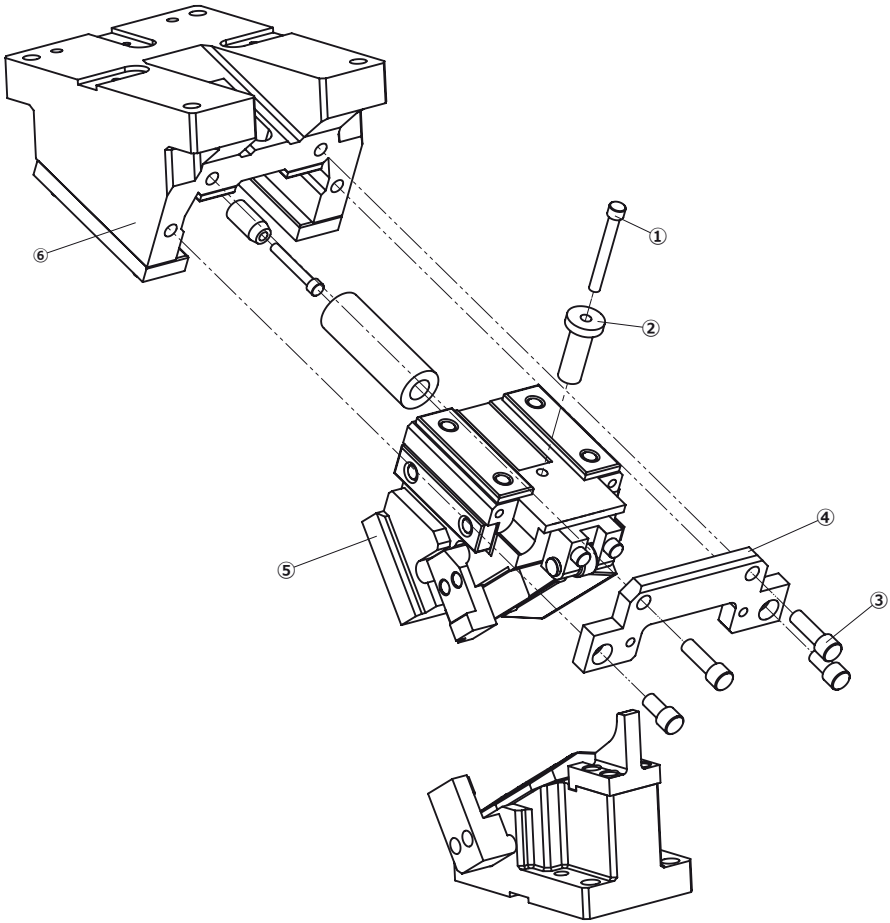
ASGN 0150 / 0200 / 0300

Disassembling process

- Unscrew ① pieces and remoce securyti guide shaft ②.
- Unscrew ③ and remove stoper plate ④.
- Remove cam slider ⑤ on cam support ⑥ from the rear.

Assembling process

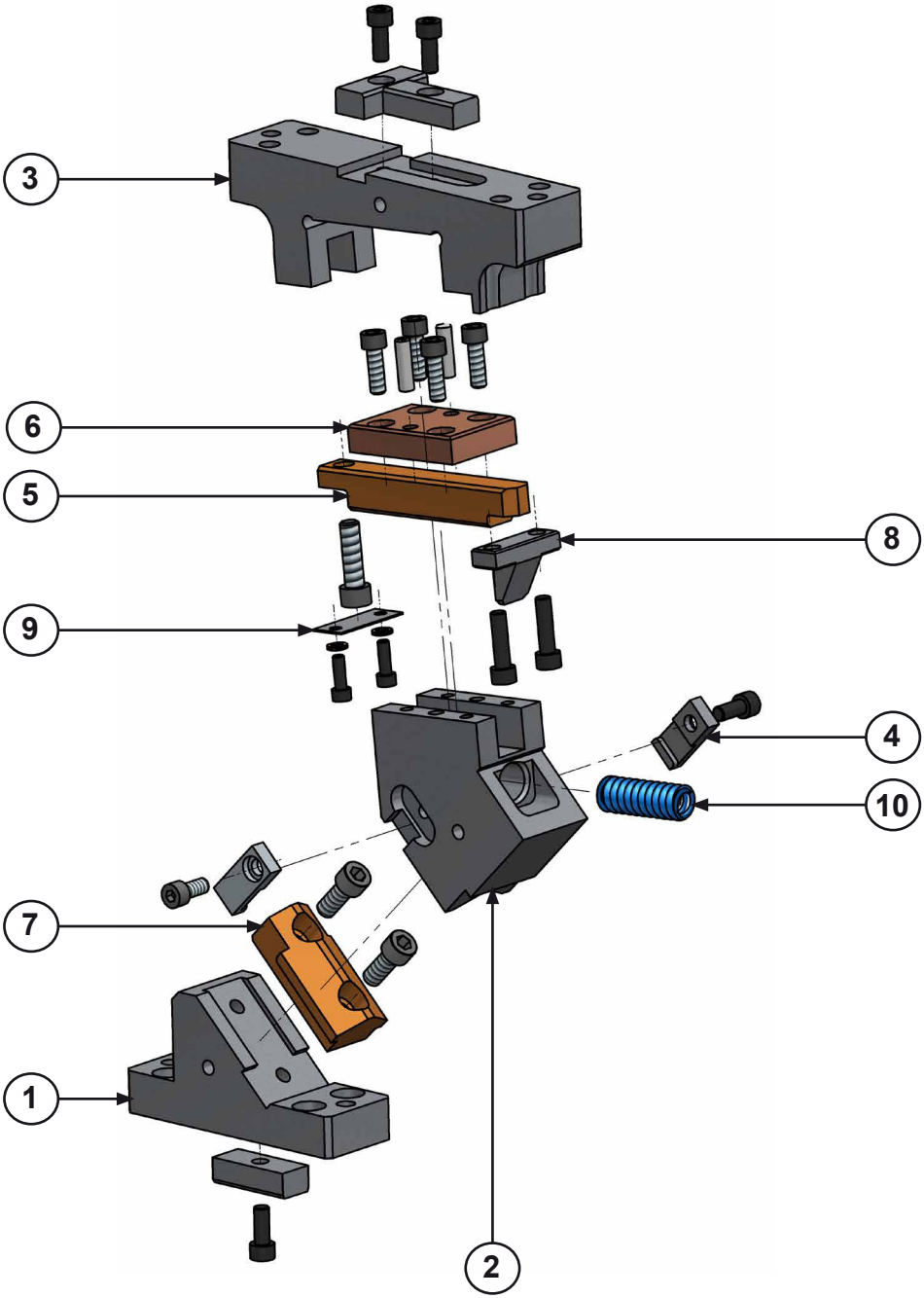
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

ASGN 0050

Aerial cam for pierce

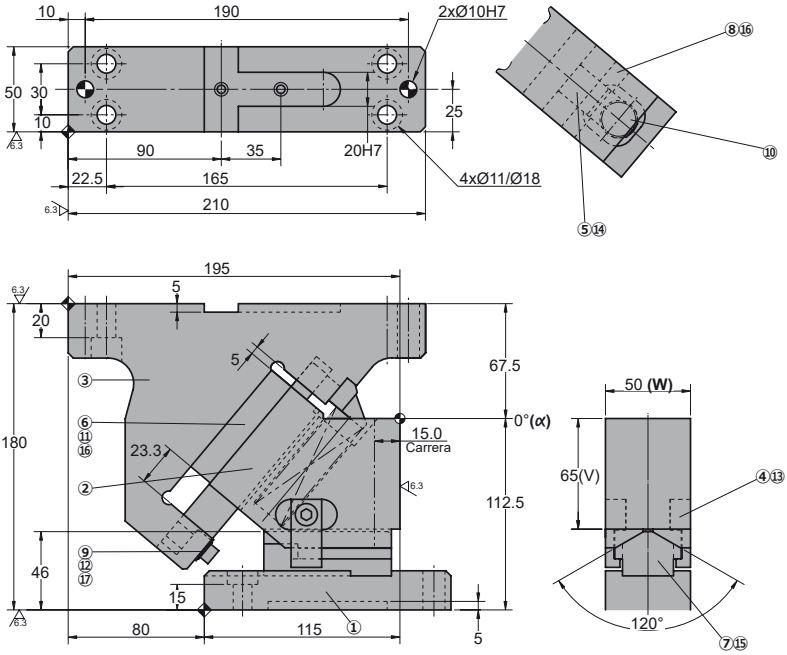


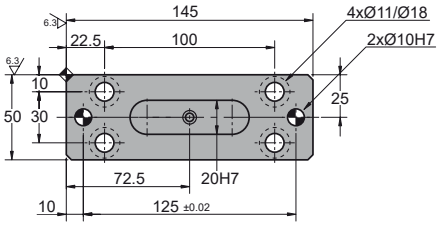
ASGN 0050

Aerial cam for pierce

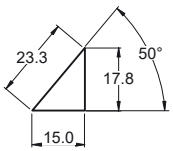
AZOL GAS

ASGN 0050 00

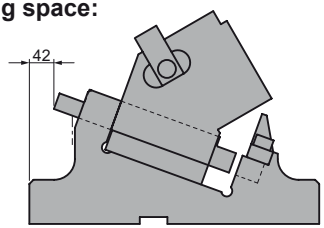




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F0	Spring Force N - (kgf) Final F1	Weight (Kg)	Model	W (mm)	α (mm)
15.0	29.4 (3.0)	58.8 (6.0)	184.2 (18.8)	1097.6 (111.7)	10.6	ASGN	0050	00

Order: Model (W) (α)

ASGN 0050 00

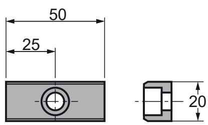
Standard order example according to catalog sheet. / Ejemplo de pedido estándar conforme a hoja de catálogo.
For adding options please consult the options table. / Para añadir opciones solicitar según tabla de opciones.

OPTIONS

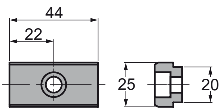
K - KU

KEY

K

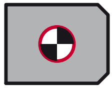


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 00-K

ASGN 0050 00-P13

ASGN 0050 00-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-102
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

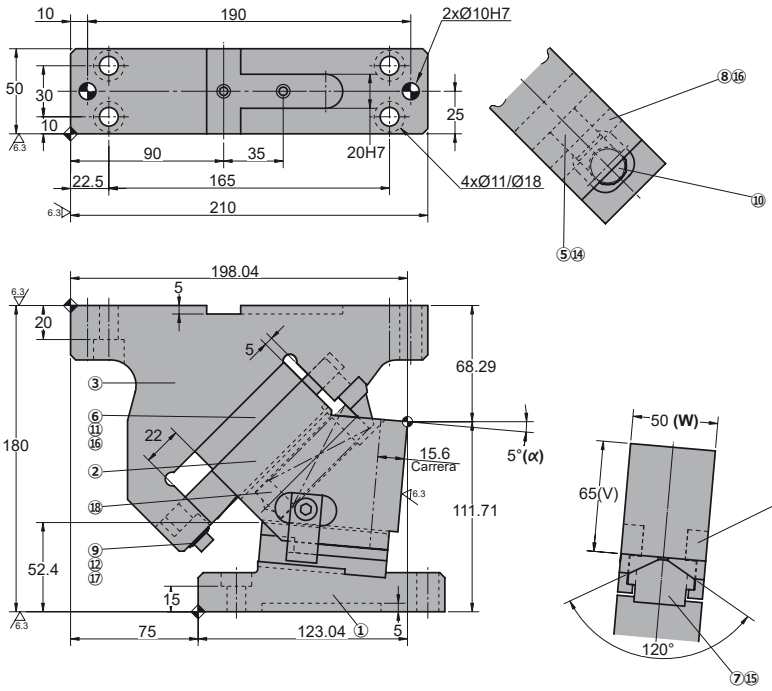
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

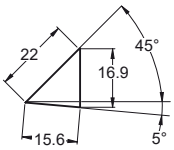
Aerial cam for pierce

AZOL GAS

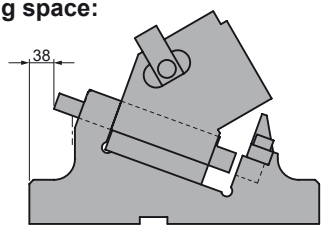
ASGN 0050 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.6	29.4 (3.0)	58.8 (6.0)	179.6 (18.3)	1167.4 (118.8)	10.3	ASGN	0050	05

Order: Model (W) (α)

ASGN 0050 05

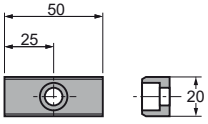
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Order example according to catalog sheet.
Order example according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Exemplo de encomenda de acordo com a folha de catálogo.
Pedido exemplo segundo a folha de catálogo.
Pedido exemplo segundo a folha de catálogo.
Pedido exemplo segundo a folha de catálogo.
Pedido exemplo segundo a folha de catálogo.
Exemple de commande selon la fiche catalogue.
Exemple de commande selon la fiche catalogue.
Esempio di ordine secondo la scheda del catalogo.
Esempio di ordine secondo la scheda del catalogo.
Beispiel einer Bestellung gemäß Katalogblatt.
Beispiel einer Bestellung gemäß Katalogblatt.
Пример заказа согласно каталожному листу.
Пример заказа согласно каталожному листу.
Örnek katalog sayfasına göre sipariş.
Örnek katalog sayfasına göre sipariş.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Przykładowe zamówienie zgodnie z arkuszem katalogowym.
Przykładowe zamówienie zgodnie z arkuszem katalogowym.
Příklad objednávky podle katalogového listu.
Příklad objednávky podle katalogového listu.
Voorbeeld van bestelling volgens catalogusblad.
Voorbeeld van bestelling volgens catalogusblad.
Exempel på beställning enligt katalogblad.
Exempel på beställning enligt katalogblad.
Eksempel på bestilling i henhold til katalogark.
Eksempel på bestilling i henhold til katalogark.
Esimerkki tilauksesta luettelolomakkeen mukaan.
Esimerkki tilauksesta luettelolomakkeen mukaan.
Příklad objednávky podle katalogového listu.
Příklad objednávky podle katalogového listu.
Példa rendelésre a katalógus lap szerint.
Példa rendelésre a katalógus lap szerint.
Exemplu de comandă conform foii de catalog.
Exemplu de comandă conform foii de catalog.
Приклад замовлення згідно з каталожним листом.
Приклад замовлення згідно з каталожним листом.
Contoh pesanan mengikut helaian katalog.
Contoh pesanan mengikut helaian katalog.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Пример заказа согласно каталожному листу.
Пример заказа согласно каталожному листу.
Örnek katalog sayfasına göre sipariş.
Örnek katalog sayfasına göre sipariş.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Παράδειγμα παραγγελίας σύμφωνα με το φύλλο καταλόγου.
Przykładowe zamówienie zgodnie z arkuszem katalogowym.
Przykładowe zamówienie zgodnie z arkuszem katalogowym.
Příklad objednávky podle katalogového listu.
Příklad objednávky podle katalogového listu.
Voorbeeld van bestelling volgens catalogusblad.
Voorbeeld van bestelling volgens catalogusblad.
Exempel på beställning enligt katalogblad.
Exempel på beställning enligt katalogblad.
Eksempel på bestilling i henhold til katalogark.
Eksempel på bestilling i henhold til katalogark.
Esimerkki tilauksesta luettelolomakkeen mukaan.
Esimerkki tilauksesta luettelolomakkeen mukaan.
Příklad objednávky podle katalogového listu.
Příklad objednávky podle katalogového listu.
Példa rendelésre a katalógus lap szerint.
Példa rendelésre a katalógus lap szerint.
Exemplu de comandă conform foii de catalog.
Exemplu de comandă conform foii de catalog.
Приклад замовлення згідно з каталожним листом.
Приклад замовлення згідно з каталожним листом.
Contoh pesanan mengikut helaian katalog.
Contoh pesanan mengikut helaian katalog.

OPTIONS

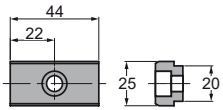
K - KU

KEY

K

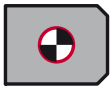


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 05-K

ASGN 0050 05-P13

ASGN 0050 05-P13-K

SPARE PARTS:

⑦ Slider Guide

⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

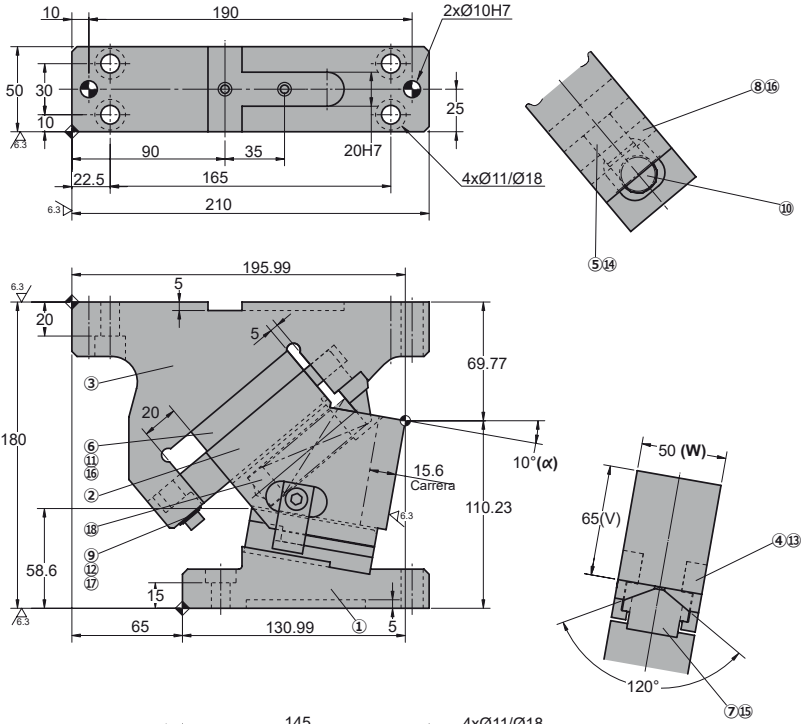
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

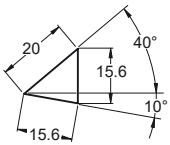
Aerial cam for pierce

AZOL GAS

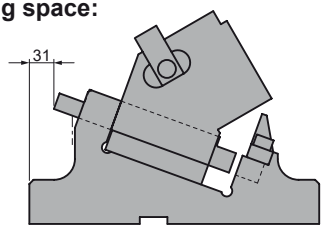
ASGN 0050 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.6	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.9	ASGN	0050	10

Order: Model (W) (α)

ASGN 0050 10

Ejemplo de pedido según catálogo.
Order example according to catalog sheet.
Exemple de commande selon catalogue.
Beispiel der Bestellung laut Katalog.
Esempio di ordine secondo catalogo.
Exemplo de encomenda de acordo com o catálogo.

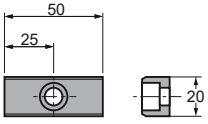
Para más opciones solicitar código.
For more options request code.
Pour plus d'options demander le code.
Für weitere Optionen Code anfordern.
Per più opzioni richiedere il codice.
Para mais opções solicitar código.

OPTIONS

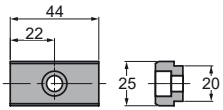
K - KU

KEY

K

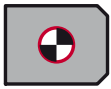


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 10-K
ASGN 0050 10-P13
ASGN 0050 10-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

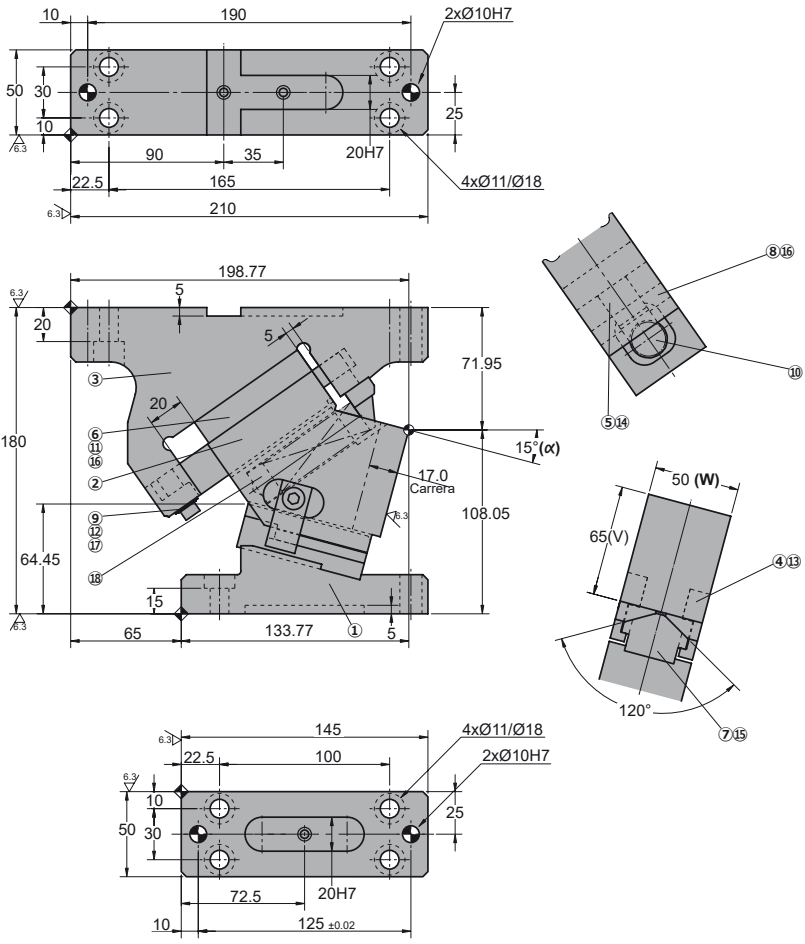
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

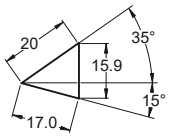
Aerial cam for pierce

AZOL GAS

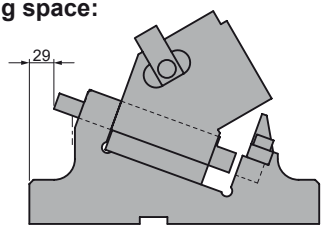
ASGN 0050 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
17.0	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.7	ASGN	0050	15

Order: Model (W) (α)

ASGN 0050 15

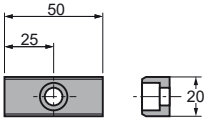
Ejemplo de pedido según catálogo.
Order example according to catalog sheet.
Exemple de commande selon catalogue.

Pedir piezas opcionales según catálogo.
Ask for optional parts according to catalog.
Pedir peças opcionais segundo catálogo.

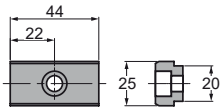
OPTIONS

K - KU KEY

K

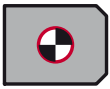


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 15-K
ASGN 0050 15-P13
ASGN 0050 15-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

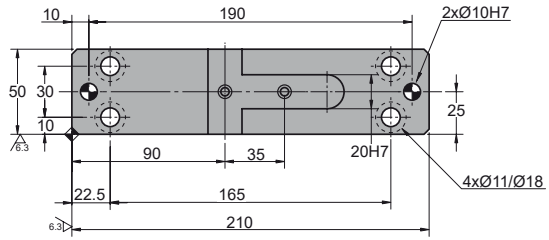
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

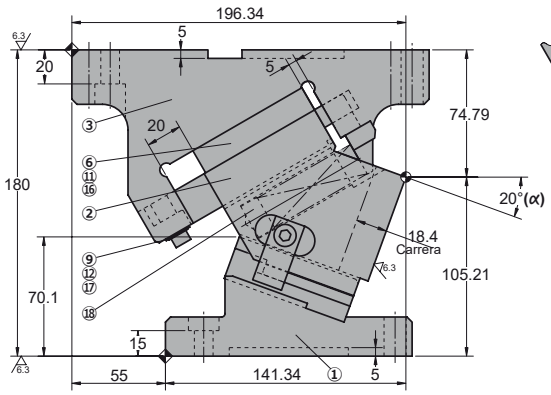
ASGN 0050

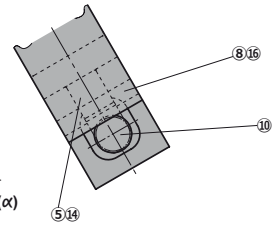
Aerial cam for pierce

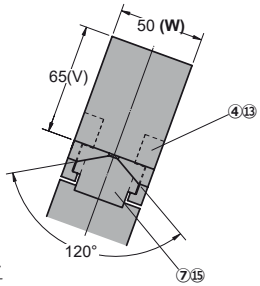
AZOL GAS

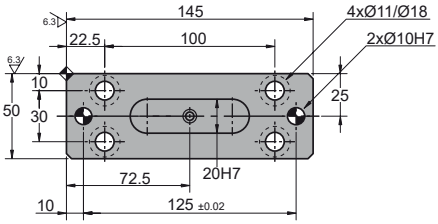
ASGN 0050 20



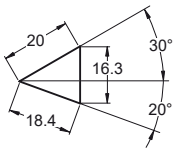




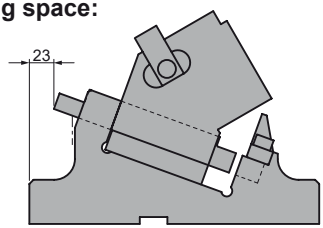




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
18.4	29.4 (3.0)	58.8 (6.0)	269.4 (27.4)	1167.4 (118.8)	9.4	ASGN	0050	20

Order: Model (W) (α)

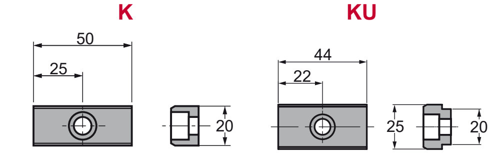
ASGN 0050 20

Standard order example according to catalog sheet. / Ejemplo de pedido estándar conforme a hoja de catálogo.
Add options applying to option table. / Para añadir opciones solicitar según el pedido de opciones.

OPTIONS

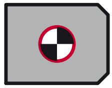
K - KU

KEY



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 20-K

ASGN 0050 20-P13

ASGN 0050 20-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

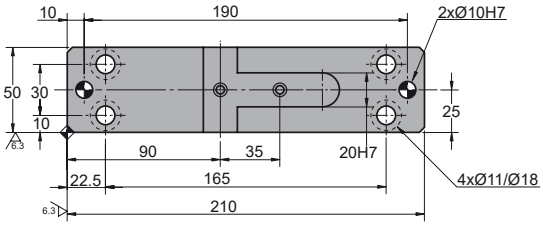
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

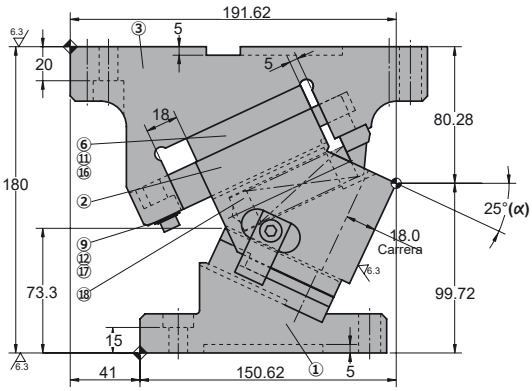
ASGN 0050

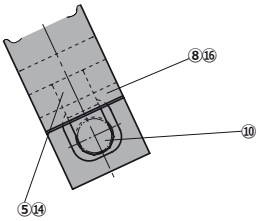
Aerial cam for pierce

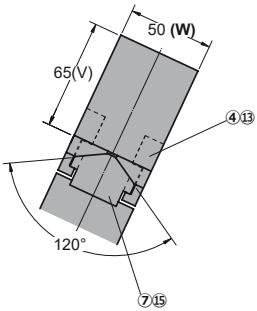
AZOL GAS

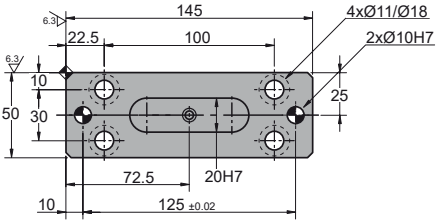
ASGN 0050 25



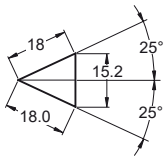




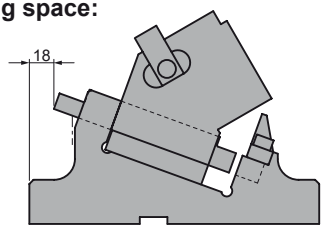




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
18.0	29.4 (3.0)	58.8 (6.0)	359.2 (36.6)	1167.4 (118.8)	9.4	ASGN	0050	25

Order: Model (W) (α)

ASGN 0050 25

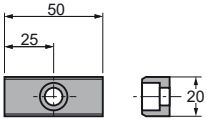
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

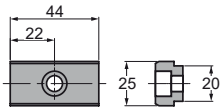
K - KU

KEY

K

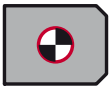


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 25-K
ASGN 0050 25-P13
ASGN 0050 25-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-89
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

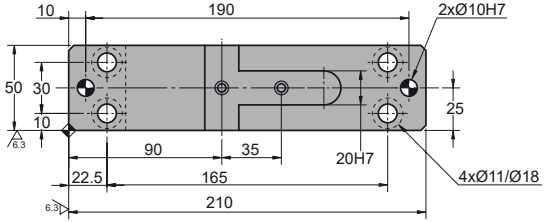
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

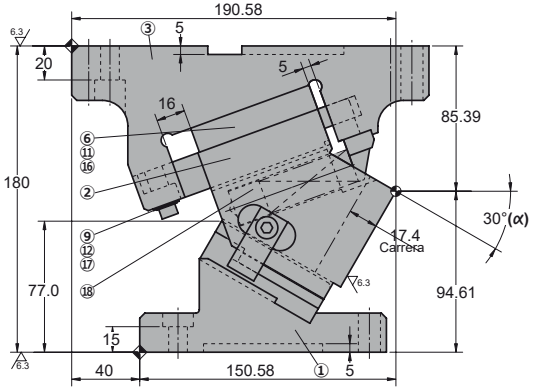
ASGN 0050

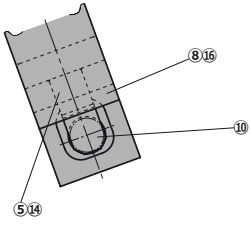
Aerial cam for pierce

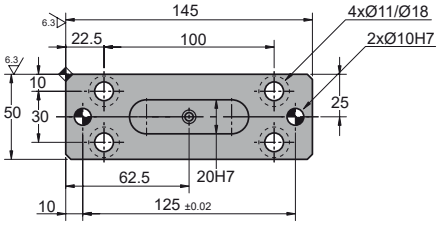
AZOL GAS

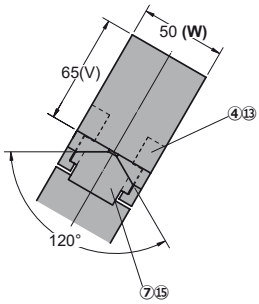
ASGN 0050 30



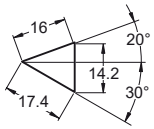




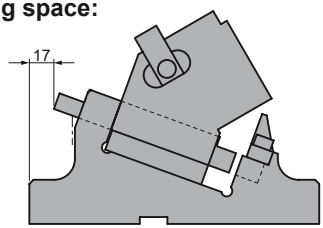




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
17.4	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.2	ASGN	0050	30

Order: Model (W) (α)

ASGN 0050 30

Ejemplo de pedido según catálogo.
Order example according to catalog sheet.
Exemple de commande selon catalogue.

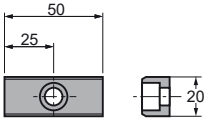
Para más opciones solicitar algún medio de opciones.
For more options request some of options.
Pour plus d'options demander quelques-unes des options.

OPTIONS

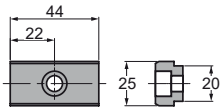
K - KU

KEY

K

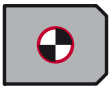


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 30-K
ASGN 0050 30-P13
ASGN 0050 30-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

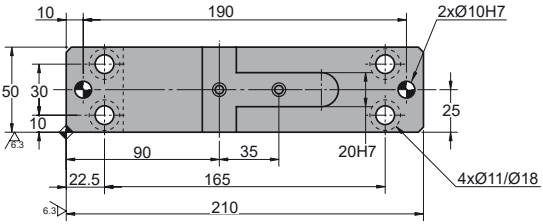
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

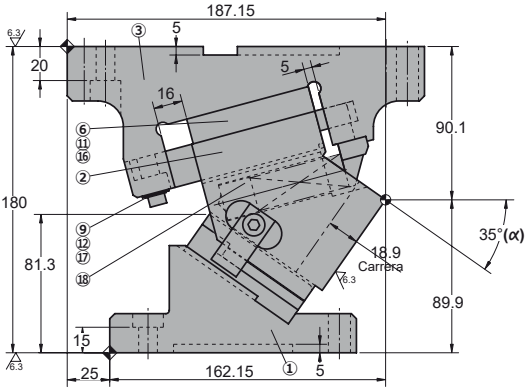
ASGN 0050

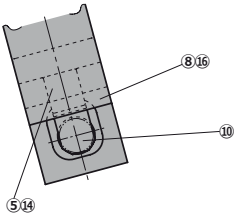
Aerial cam for pierce

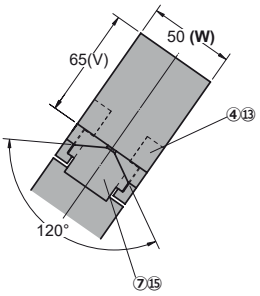
AZOL GAS

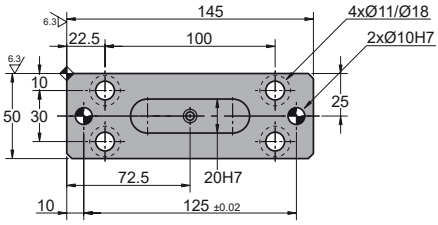
ASGN 0050 35



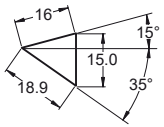




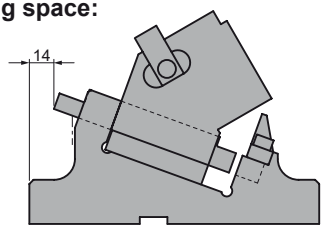




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
18.9	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.2	ASGN	0050	35

Order: Model (W) (α)

ASGN 0050 35

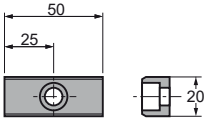
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Pedido según catálogo.
Pedido según catálogo.
Order according to catalog sheet.
Pedido de acordo com a folha de catálogo.
Para más opciones solicitar algún pedido de opciones.
Para más opciones solicitar algún pedido de opciones.
For more options request some options order.
Para mais opções solicitar algum pedido de opções.

OPTIONS

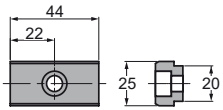
K - KU

KEY

K

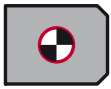


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 35-K

ASGN 0050 35-P13

ASGN 0050 35-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

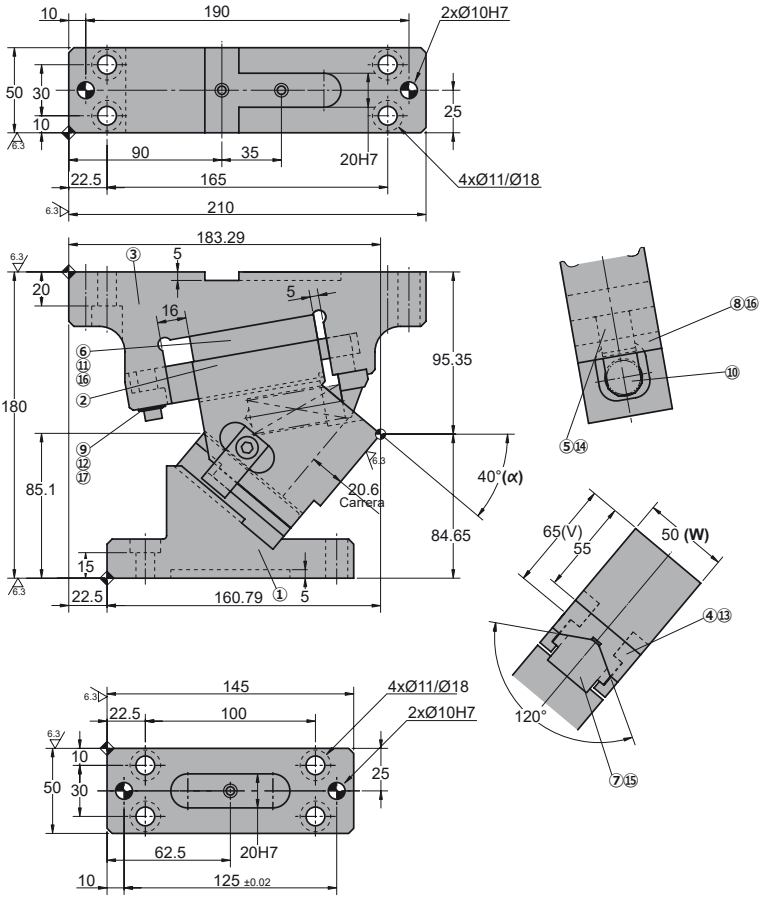
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10
⑱	Spacer	1	CK45

ASGN 0050

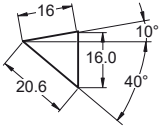
Aerial cam for pierce

AZOL GAS

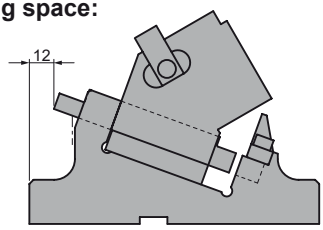
ASGN 0050 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
20.6	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.1	ASGN	0050	40

Order: Model (W) (α)

ASGN 0050 40

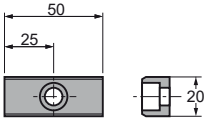
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún pedido de opciones.
Para más opciones solicitar algún pedido de opciones.
For more options request some options order.
Para mais opções solicitar algum pedido de opções.

OPTIONS

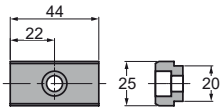
K - KU

KEY

K

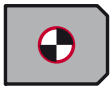


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 40-K
ASGN 0050 40-P13
ASGN 0050 40-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

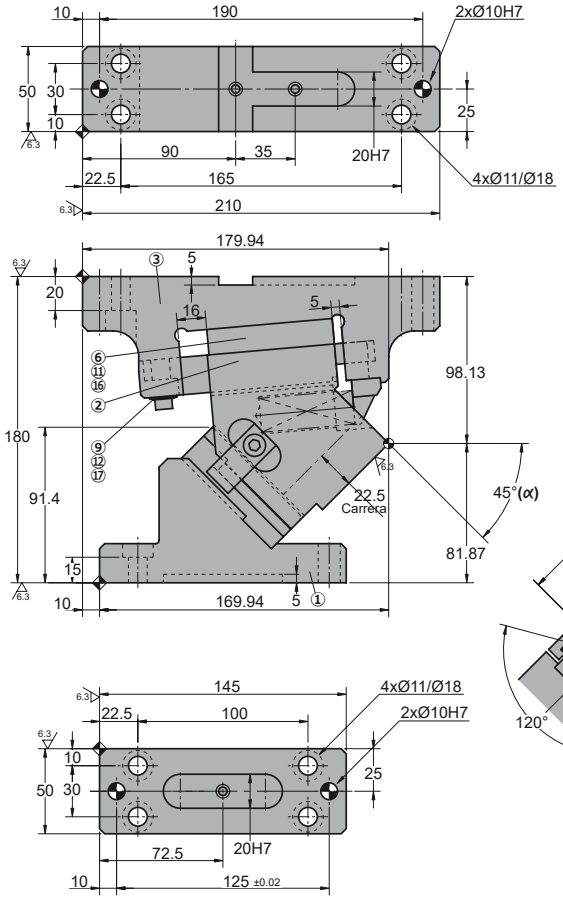
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

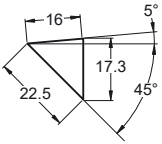
Aerial cam for pierce

AZOL GAS

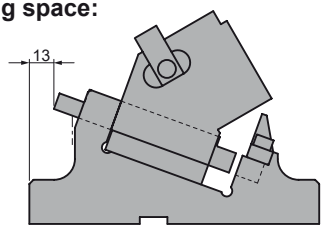
ASGN 0050 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
22.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.1	ASGN	0050	45

Order: Model (W) (α)

ASGN 0050 45

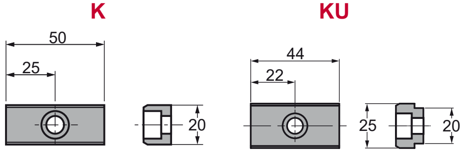
Standard order example according to catalog sheet. Add options applying optional table content.

Ejemplo de pedido estándar conforme a hoja de catálogo. Para añadir opciones solicitar según cuadro de opciones.

OPTIONS

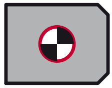
K - KU

KEY



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 45-K

ASGN 0050 45-P13

ASGN 0050 45-P13-K

SPARE PARTS:

⑦ Slider Guide

⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

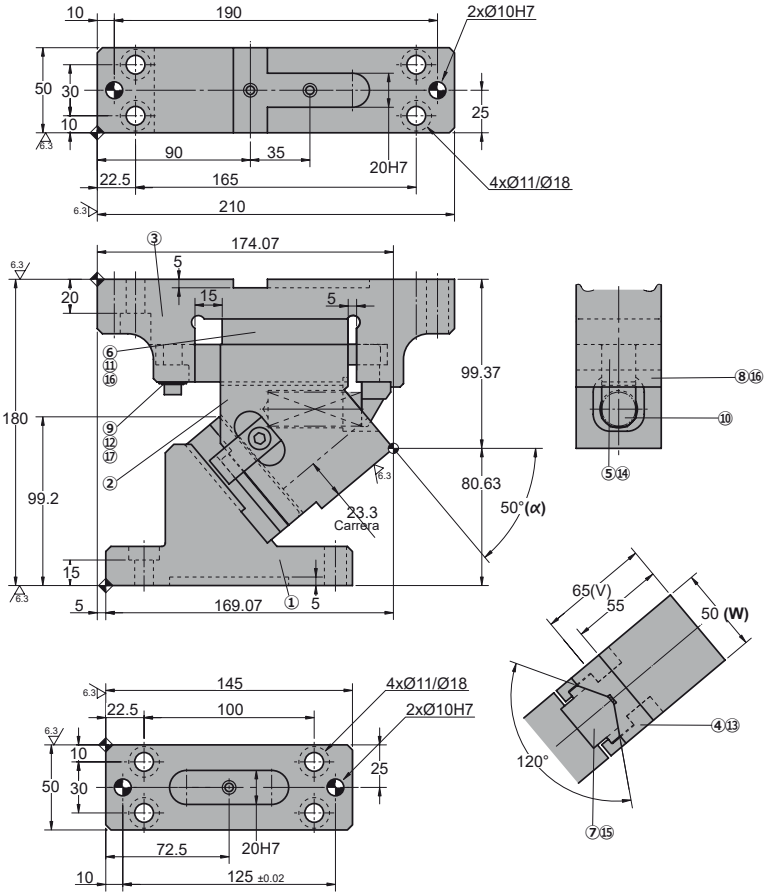
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

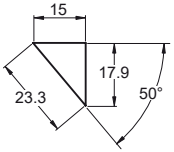
Aerial cam for pierce

AZOL GAS

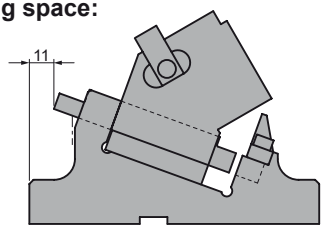
ASGN 0050 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	29.4 (3.0)	58.8 (6.0)	315.6 (32.2)	1104.6 (112.6)	9.0	ASGN	0050	50

Order: Model (W) (α)

ASGN 0050 50

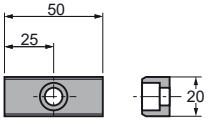
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Pour plus d'options demander un modèle d'options.
Per altre opzioni richiedere un modello di opzioni.

OPTIONS

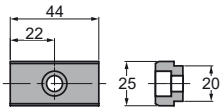
K - KU

KEY

K

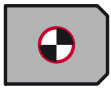


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 50-K
ASGN 0050 50-P13
ASGN 0050 50-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

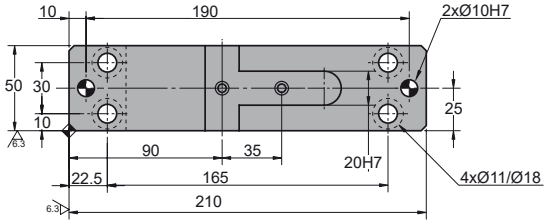
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

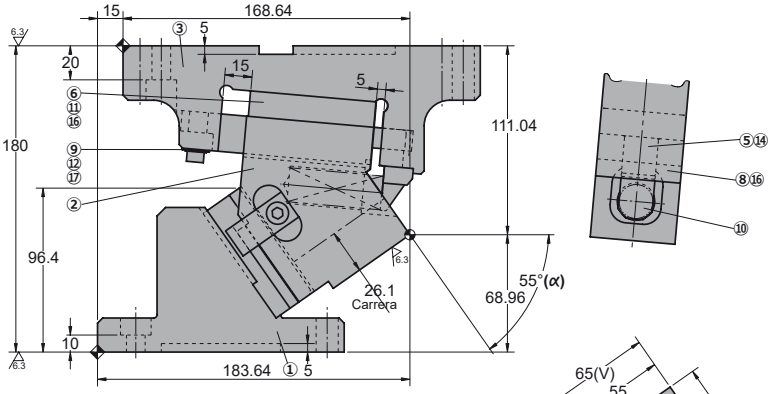
ASGN 0050

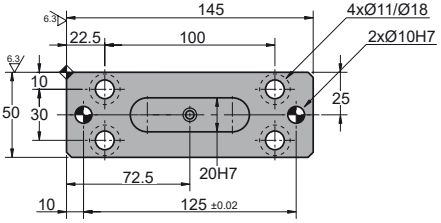
Aerial cam for pierce

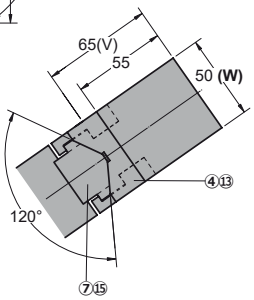
AZOL GAS

ASGN 0050 55

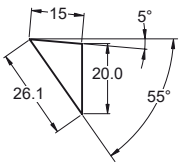




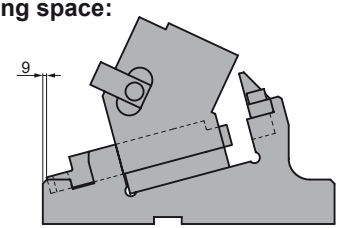




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	∝ (mm)
26.1	29.4 (3.0)	58.8 (6.0)	315.6 (32.2)	1104.6 (112.6)	9.5	ASGN	0050	55

Order: Model (W) (∝)

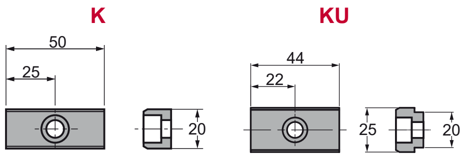
ASGN 0050 55

Standard order example according to catalog sheet. / Ejemplo de pedido estándar conforme a la hoja de catálogo.
For adding options, please consult table. / Para añadir opciones solicitar según tabla de opciones.

OPTIONS

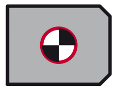
K - KU

KEY



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (∝)-Option

ASGN 0050 55-K

ASGN 0050 55-P13

ASGN 0050 55-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

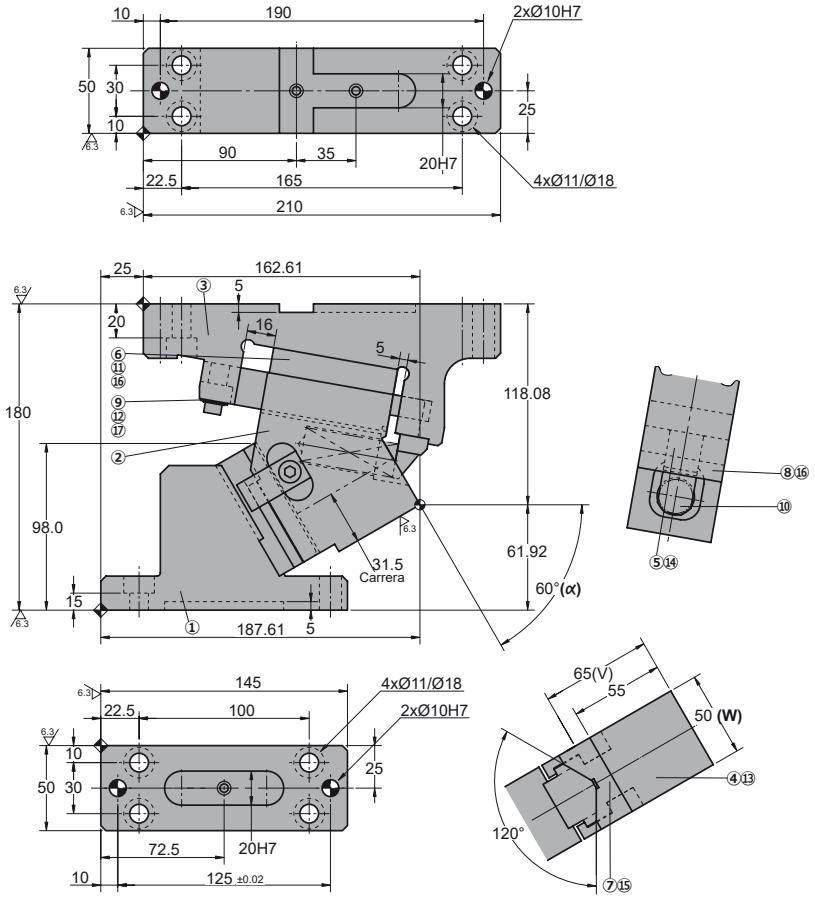
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

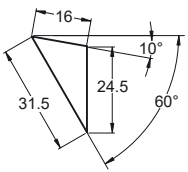
Aerial cam for pierce

AZOL GAS

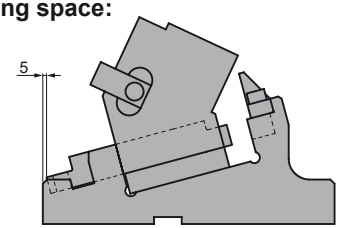
ASGN 0050 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	∝ (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
31.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	9.7	**ASGN**	**0050**	**60**

Order: Model (W) (∝)

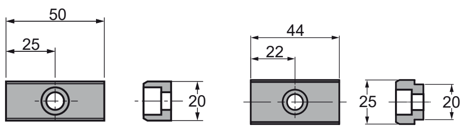
ASGN 0050 60

Standard order example according to catalog sheet. / Ejemplo de pedido estándar conforme a hoja de catálogo.
Add options applying optional table content. / Para añadir opciones solicitar según contenido de opciones.

OPTIONS

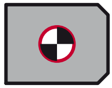
K - KU

KEY



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (∝)-Option

ASGN 0050 60-K

ASGN 0050 60-P13

ASGN 0050 60-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

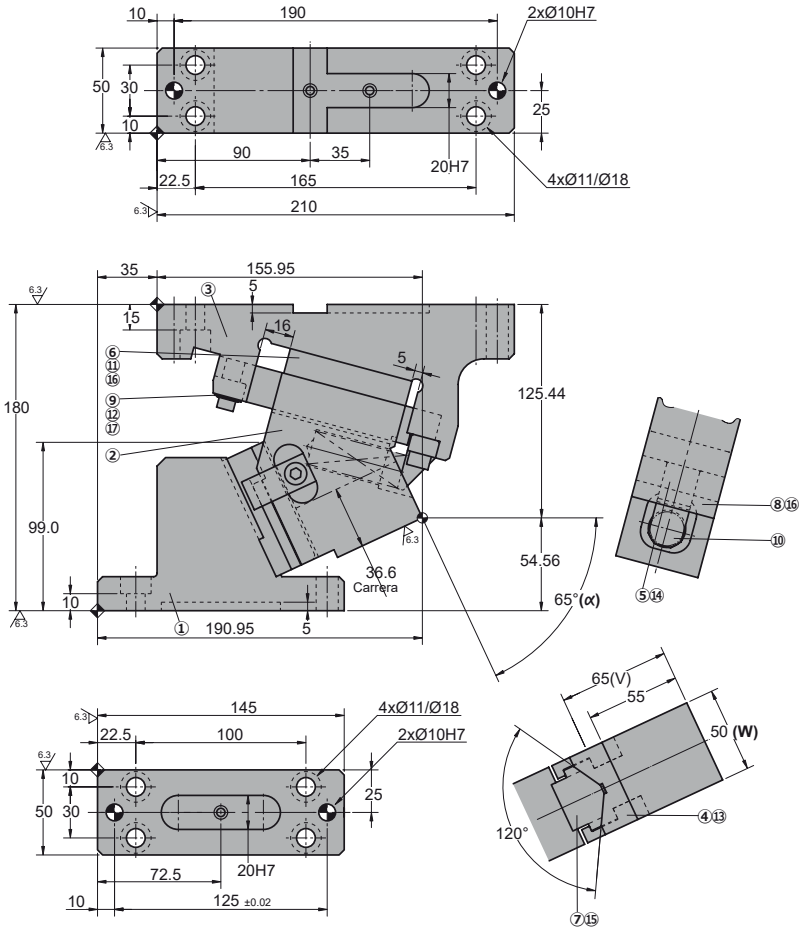
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

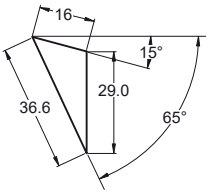
Aerial cam for pierce

AZOL GAS

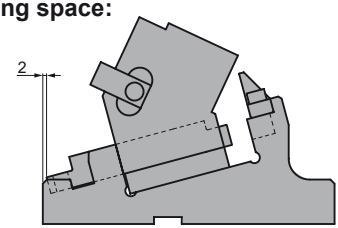
ASGN 0050 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
36.6	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	1104.6 (112.6)	10.0	ASGN	0050	65

Order: Model (W) (α)

ASGN 0050 65

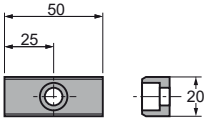
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

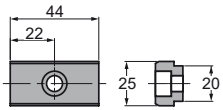
K - KU

KEY

K

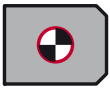


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 65-K
ASGN 0050 65-P13
ASGN 0050 65-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

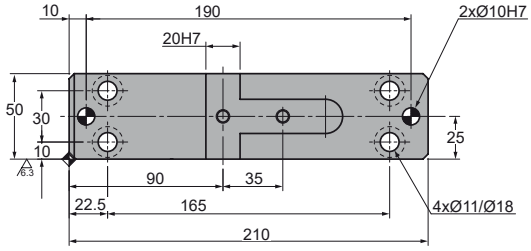
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

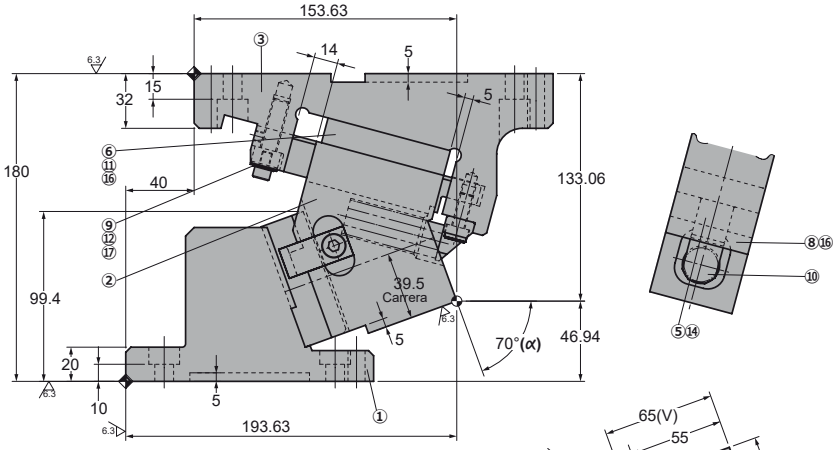
ASGN 0050

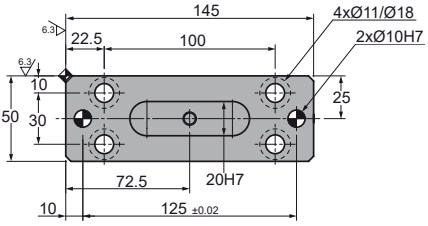
Aerial cam for pierce

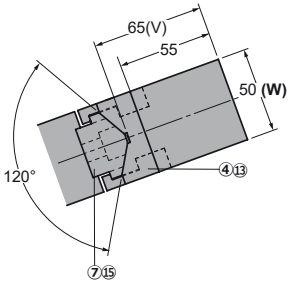
AZOL GAS

ASGN 0050 70

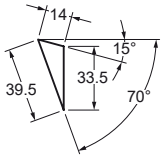




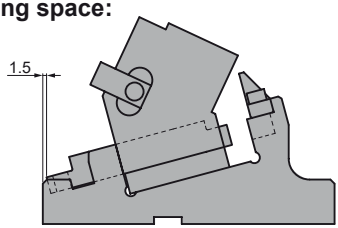




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.5	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	999.4 (101.9)	10.1	ASGN	0050	70

Order: Model (W) (α)

ASGN 0050 70

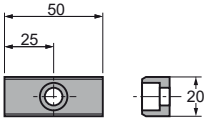
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

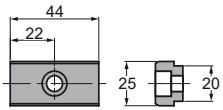
K - KU

KEY

K

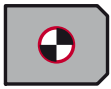


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 70-K
ASGN 0050 70-P13
ASGN 0050 70-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

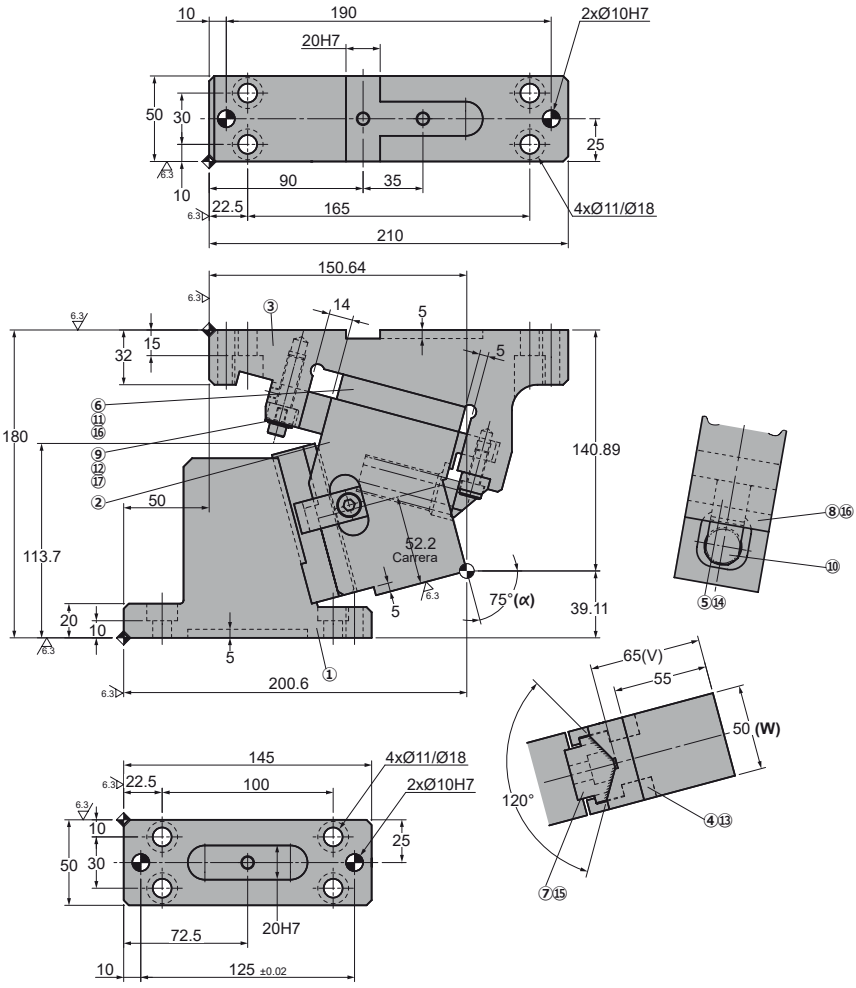
No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

ASGN 0050

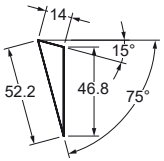
Aerial cam for pierce

AZOL GAS

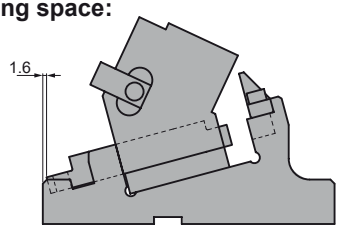
ASGN 0050 75



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0050

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.2	29.4 (3.0)	58.8 (6.0)	263.0 (26.8)	999.4 (101.9)	10.1	ASGN	0050	75

Order: Model (W) (α)

ASGN 0050 75

Ejemplo de pedido según catálogo.
Example of order according to catalog sheet.
Exemple de commande selon catalogue.

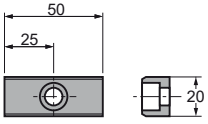
Para más opciones solicitar según modelo de opciones.
For more options request according to options model.
Pour plus d'options demander selon le modèle d'options.

OPTIONS

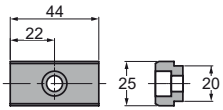
K - KU

KEY

K

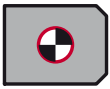


KU



3 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0050 75-K
ASGN 0050 75-P13
ASGN 0050 75-P13-K

SPARE PARTS:
⑦ Slider Guide
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45
③	Cam Holder	1	CK45
④	Positive Return 1	2	CK45
⑤	Guide Bar	1	Bronze + G
⑥	Lower Plate	1	GG25 + G
⑦	Slider Guide	1	Bronze + G
⑧	Spring Block	1	CK22
⑨	Security Plate	1	CK22
⑩	Coil Spring	1	TJH20-76
⑪	Dowel Pin	2	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	2	M8 x 15
⑭	Screw	1	M10 x 30
⑮	Screw	2	M10 x 25

No.	Description	Qty.	Material
⑯	Screw	6	M8 x 20
⑰	Screw	2	M6 x 10

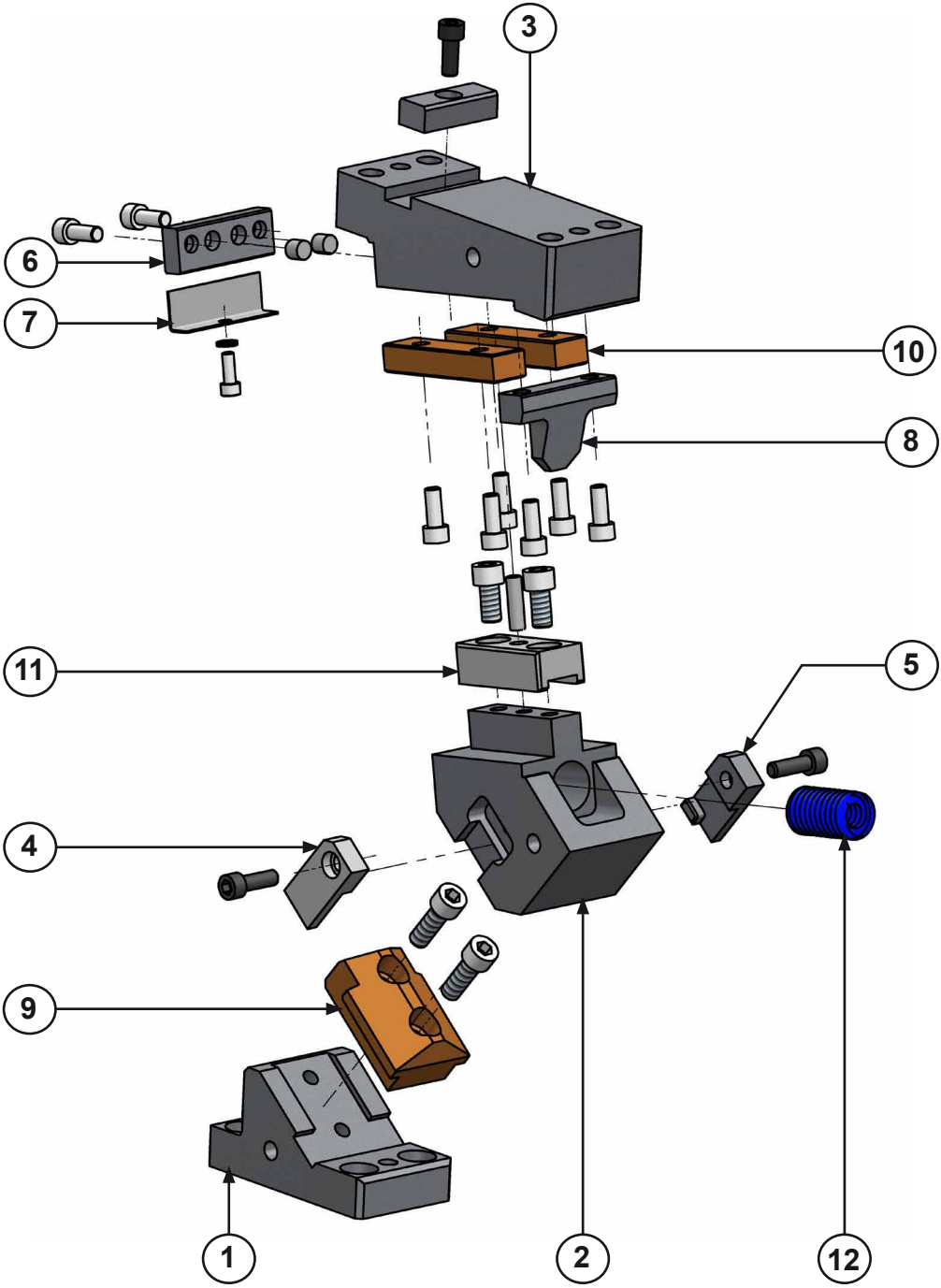
ASGN 0050

Aerial cam for pierce

AZOL GAS

ASGN 0065

Aerial cam for pierce

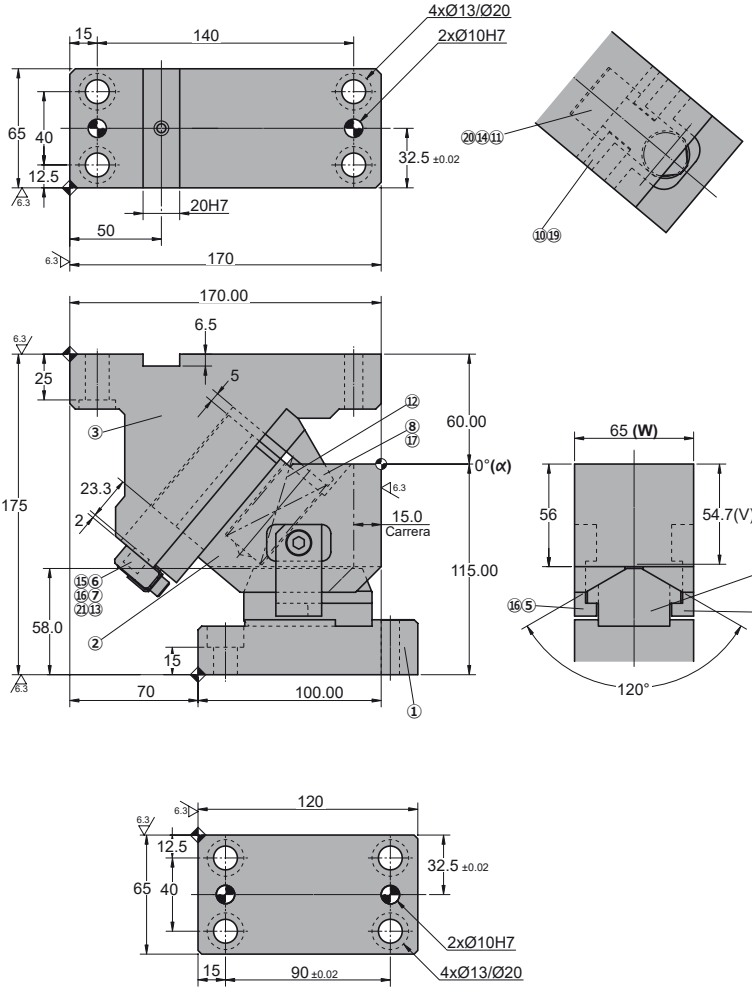


ASGN 0065

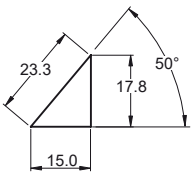
Aerial cam for pierce

AZOL GAS

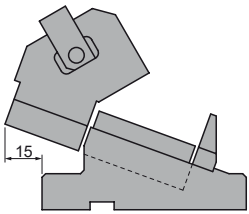
ASGN 0065 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.0	29.4 (3.0)	58.8 (6.0)	245.4 (25.0)	834.9 (85.1)	10.7	ASGN	0065	00

Order: Model (W) (α)

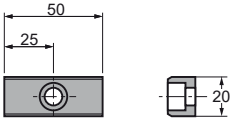
ASGN 0065 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 00-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-89
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

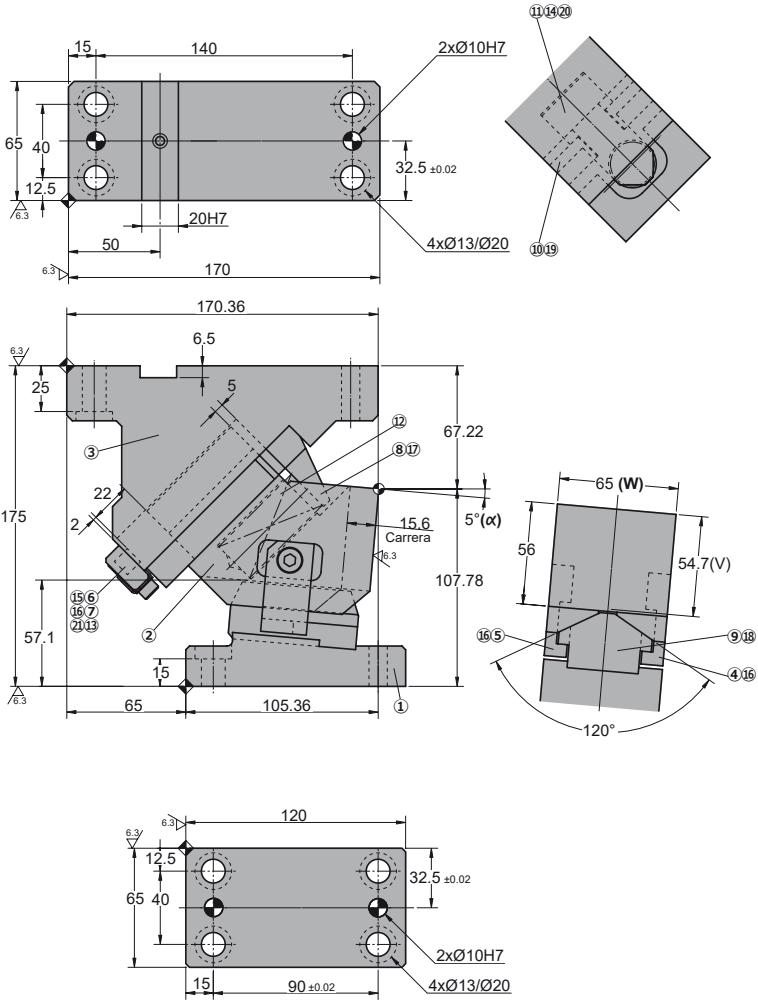
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10

ASGN 0065

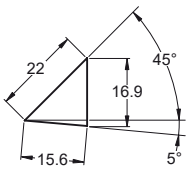
Aerial cam for pierce

AZOL GAS

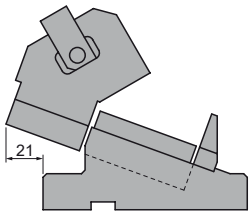
ASGN 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.6	29.4 (3.0)	58.8 (6.0)	278.3 (28.4)	834.9 (85.1)	10.4	ASGN	0065	05

Order: Model (W) (α)

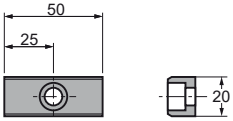
ASGN 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 05-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-89
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

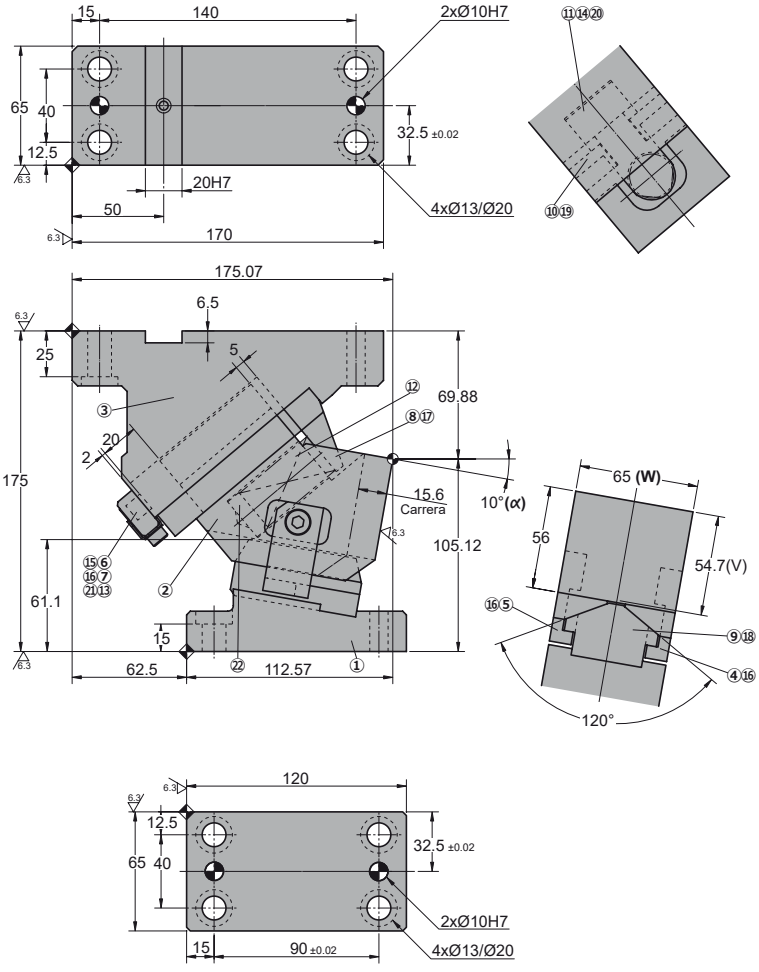
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

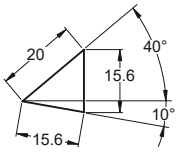
Aerial cam for pierce

AZOL GAS

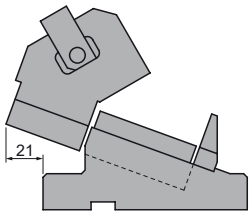
ASGN 0065 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
15.6	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	10.2	ASGN	0065	10

Order: Model (W) (α)

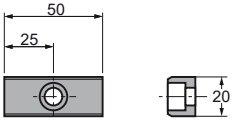
ASGN 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 10-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8x30
⑮	Disc Spring	1	M6

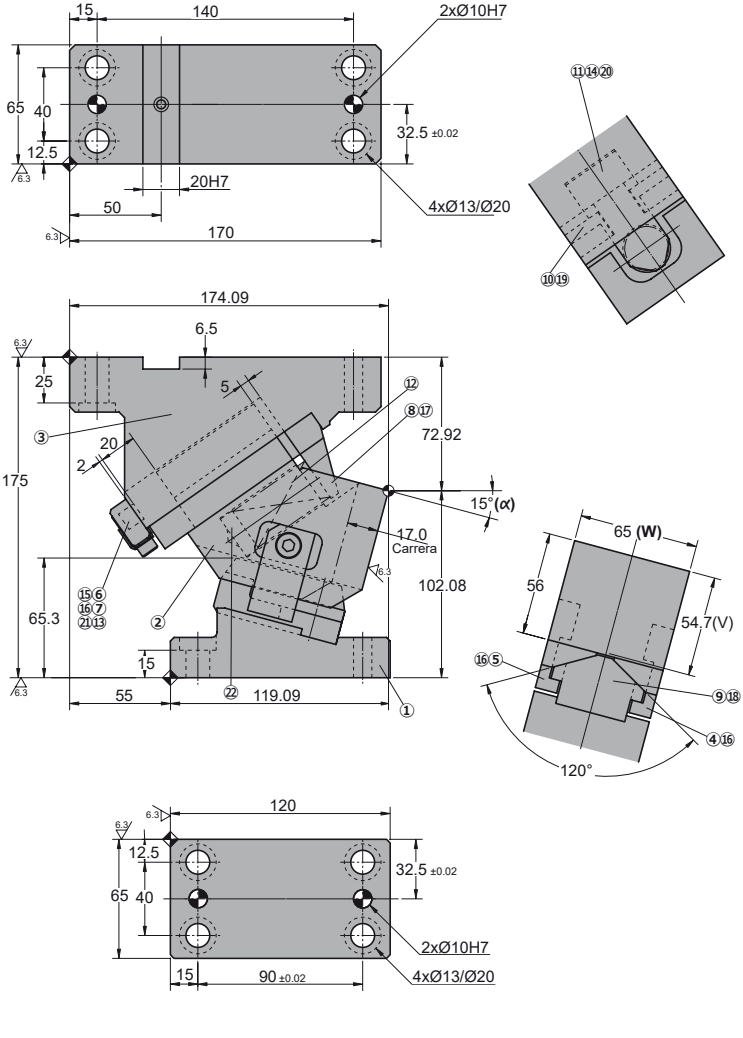
No.	Description	Qty.	Material
⑯	Screw	4	M8x18
⑰	Screw	2	M8x20
⑱	Screw	2	M10x30
⑲	Screw	4	M8x16
⑳	Screw	2	M10x20
㉑	Screw	1	M6x10
㉒	Spacer	1	CK45

ASGN 0065

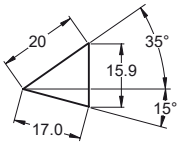
Aerial cam for pierce

AZOL GAS

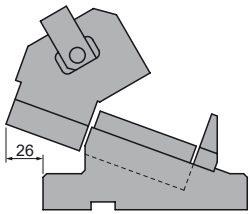
ASGN 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
17.0	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	9.9	ASGN	0065	15

Order: Model (W) (α)

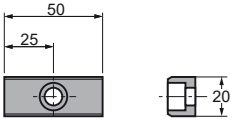
ASGN 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 15-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

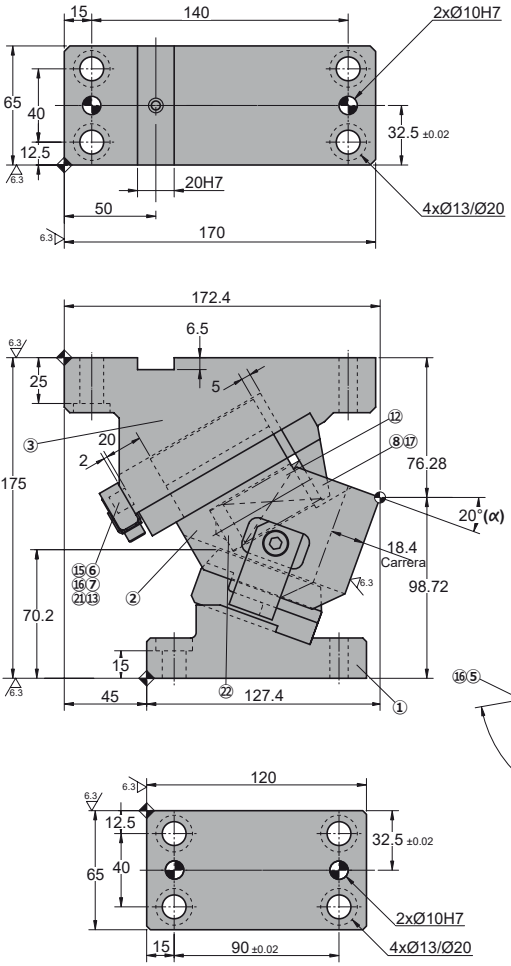
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

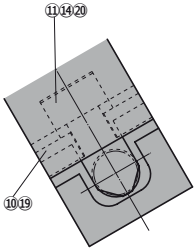
ASGN 0065

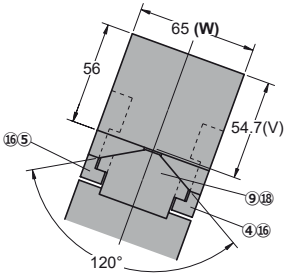
Aerial cam for pierce

AZOL GAS

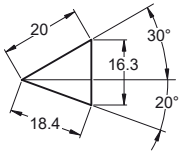
ASGN 0065 20



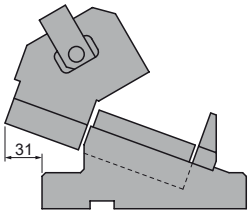




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
18.4	29.4 (3.0)	58.8 (6.0)	236.8 (24.1)	828.8 (84.3)	9.9	ASGN	0065	20

Order: Model (W) (α)

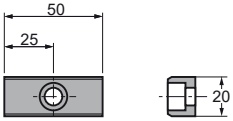
ASGN 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 20-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-76
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

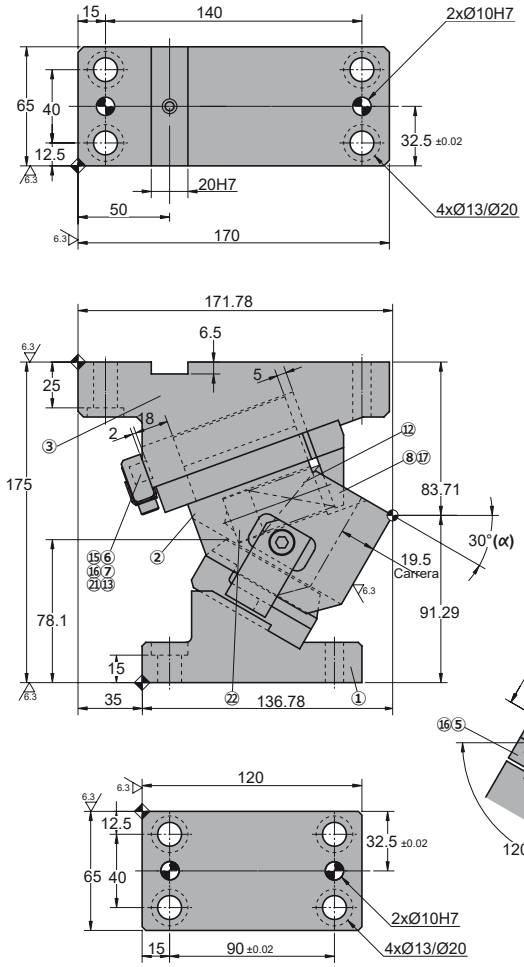
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

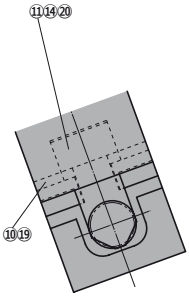
ASGN 0065

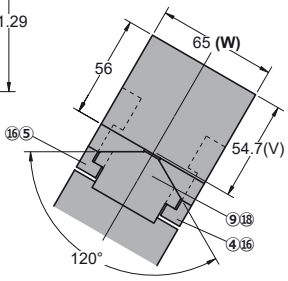
Aerial cam for pierce

AZOL GAS

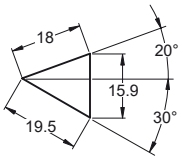
ASGN 0065 30



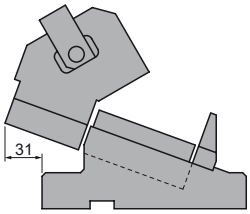




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
19.5	29.4 (3.0)	58.8 (6.0)	176.0 (18.0)	809.6 (82.6)	9.6	ASGN	0065	30

Order: Model (W) (α)

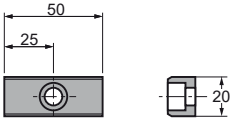
ASGN 0065 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 30-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

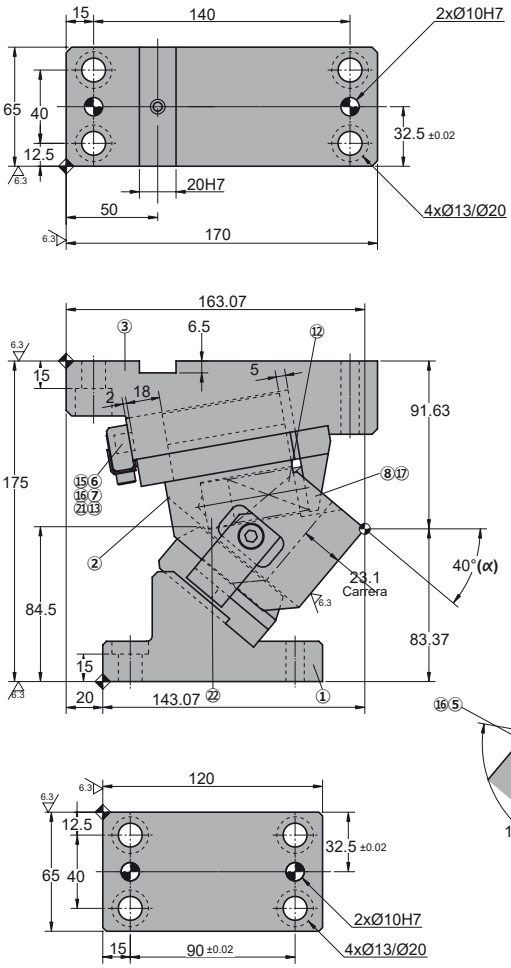
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

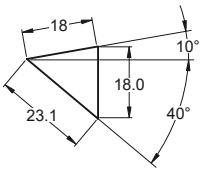
Aerial cam for pierce

AZOL GAS

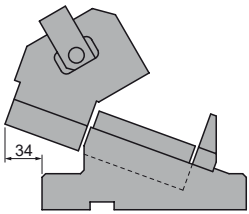
ASGN 0065 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.1	29.4 (3.0)	58.8 (6.0)	176.0 (18.0)	809.6 (82.6)	9.5	ASGN	0065	40

Order: Model (W) (α)

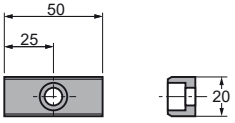
ASGN 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 40-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

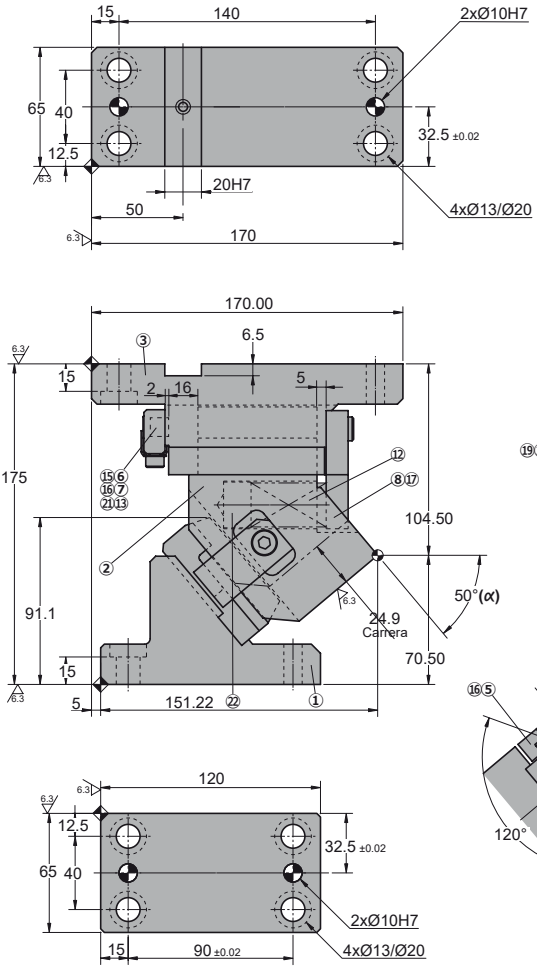
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

ASGN 0065

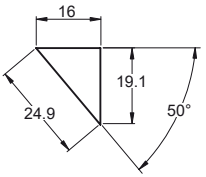
Aerial cam for pierce

AZOL GAS

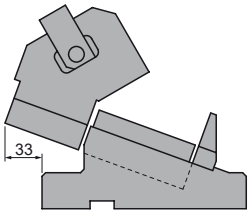
ASGN 0065 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
24.9	29.4 (3.0)	58.8 (6.0)	246.4 (25.1)	809.6 (82.6)	9.9	ASGN	0065	50

Order: Model (W) (α)

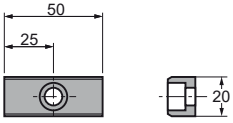
ASGN 0065 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 50-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

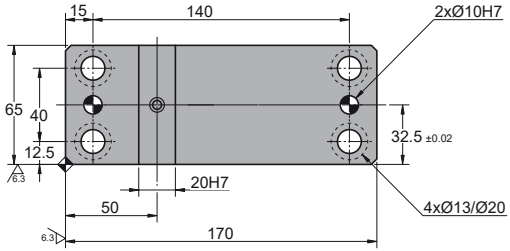
No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10
㉒	Spacer	1	CK45

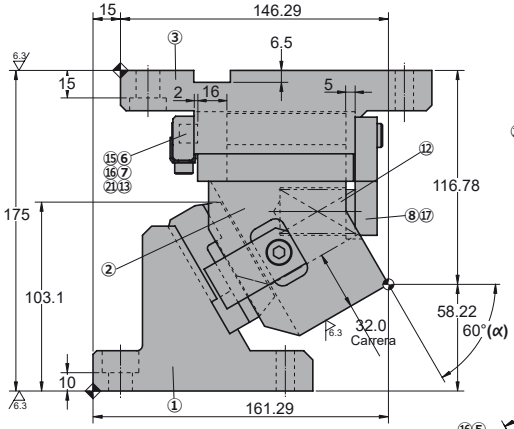
ASGN 0065

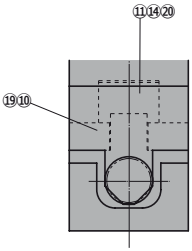
Aerial cam for pierce

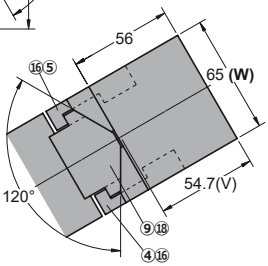
AZOL GAS

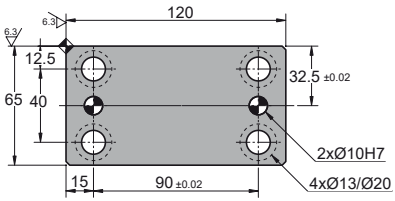
ASGN 0065 60



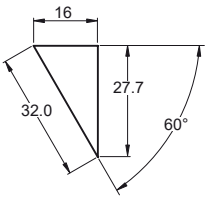




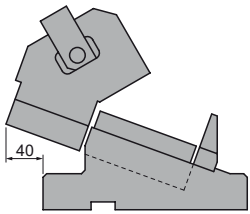




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0065

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.0	29.4 (3.0)	58.8 (6.0)	246.4 (25.1)	809.6 (82.6)	11.1	ASGN	0065	60

Order: Model (W) (α)

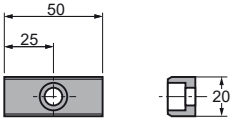
ASGN 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



1 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0065 60-K

SPARE PARTS:
- ⑨ Slider Guide
- ⑩ Slider Plate
- ⑫ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	CK45
②	Cam Slider	1	CK45 + G
③	Cam Holder	1	GGG50
④	Positive Return 1	1	CK45
⑤	Positive Return 2	1	CK45
⑥	Stopper Plate	1	CK45
⑦	Security Plate	1	CK22
⑧	Spring Guide Plate	1	CK22
⑨	Slider Guide	1	Bronze + G
⑩	Slider Plate 1	2	Bronze
⑪	Lower Plate	1	GG25 + G
⑫	Coil Spring	1	TJL25-64
⑬	Stopper	2	Urethane
⑭	Dowel Pin	1	Ø8 x 30
⑮	Disc Spring	1	M6

No.	Description	Qty.	Material
⑯	Screw	4	M8 x 18
⑰	Screw	2	M8 x 20
⑱	Screw	2	M10 x 30
⑲	Screw	4	M8 x 16
⑳	Screw	2	M10 x 20
㉑	Screw	1	M6 x 10

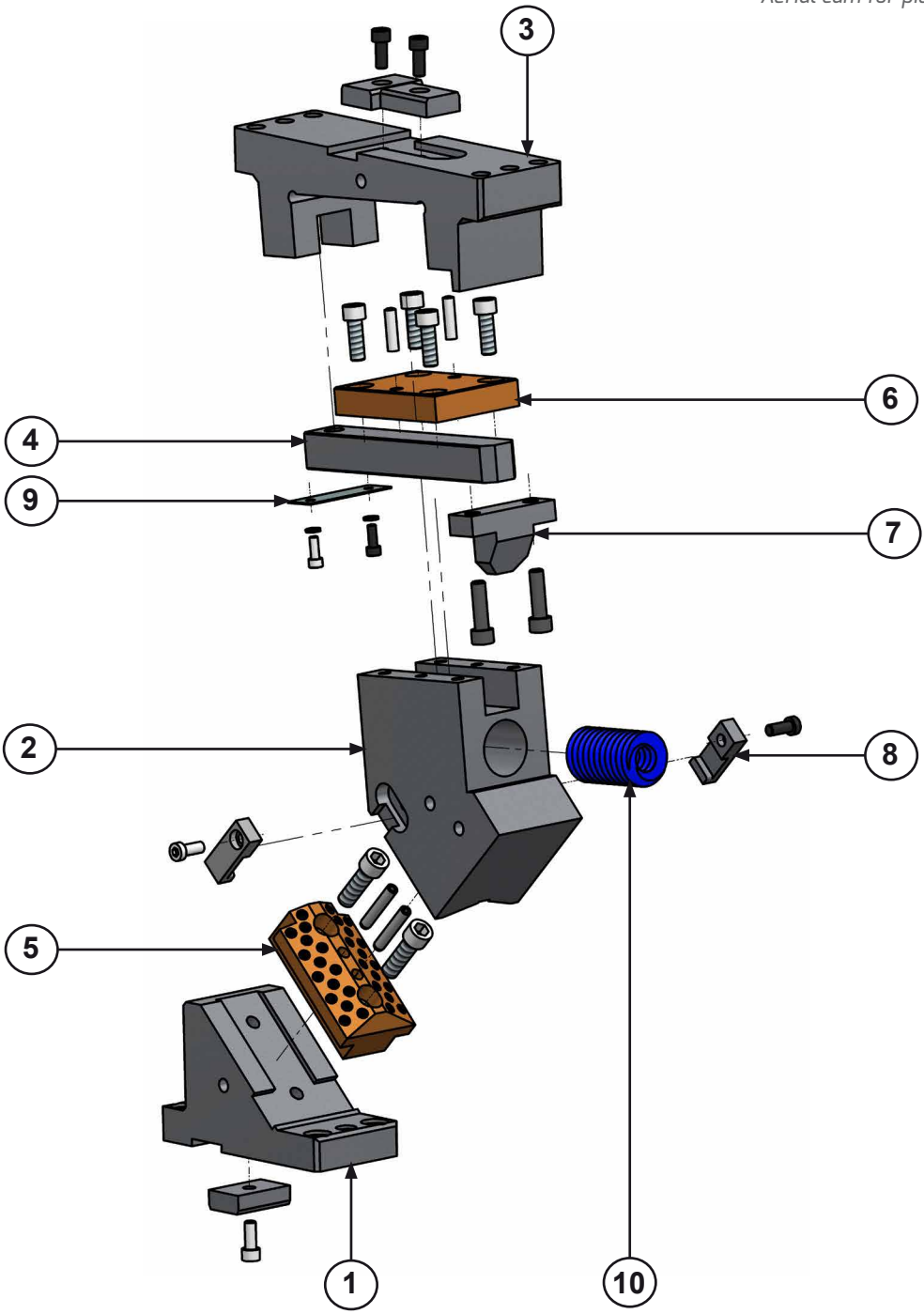
ASGN 0065

Aerial cam for pierce

AZOL GAS

ASGN 0080

Aerial cam for pierce

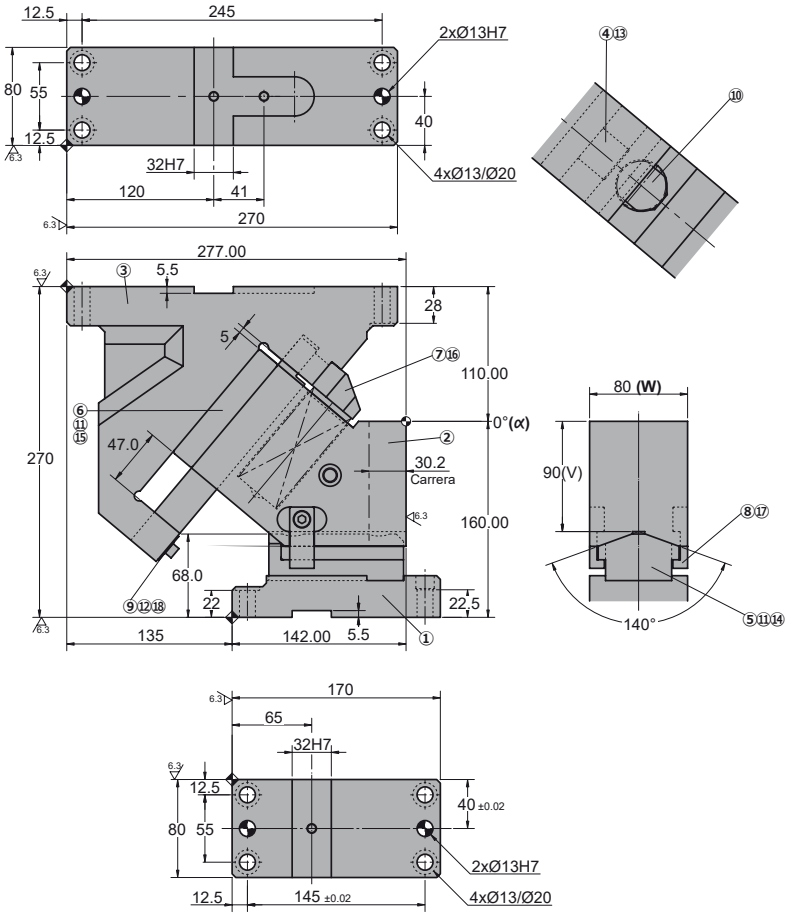


ASGN 0080

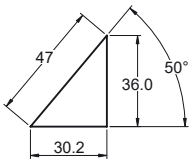
Aerial cam for pierce

AZOL GAS

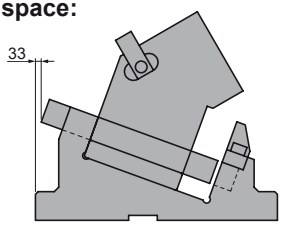
ASGN 0080 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.2	49.0 (5.0)	98.0 (10.0)	296.1 (30.2)	1842.4 (187.6)	34.0	ASGN	0080	00

Order: Model (W) (α)

ASGN 0080 00

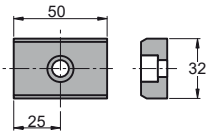
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

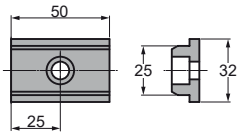
K - KU

KEY

K

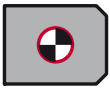


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 00-K
ASGN 0080 00-P12
ASGN 0080 00-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-152
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

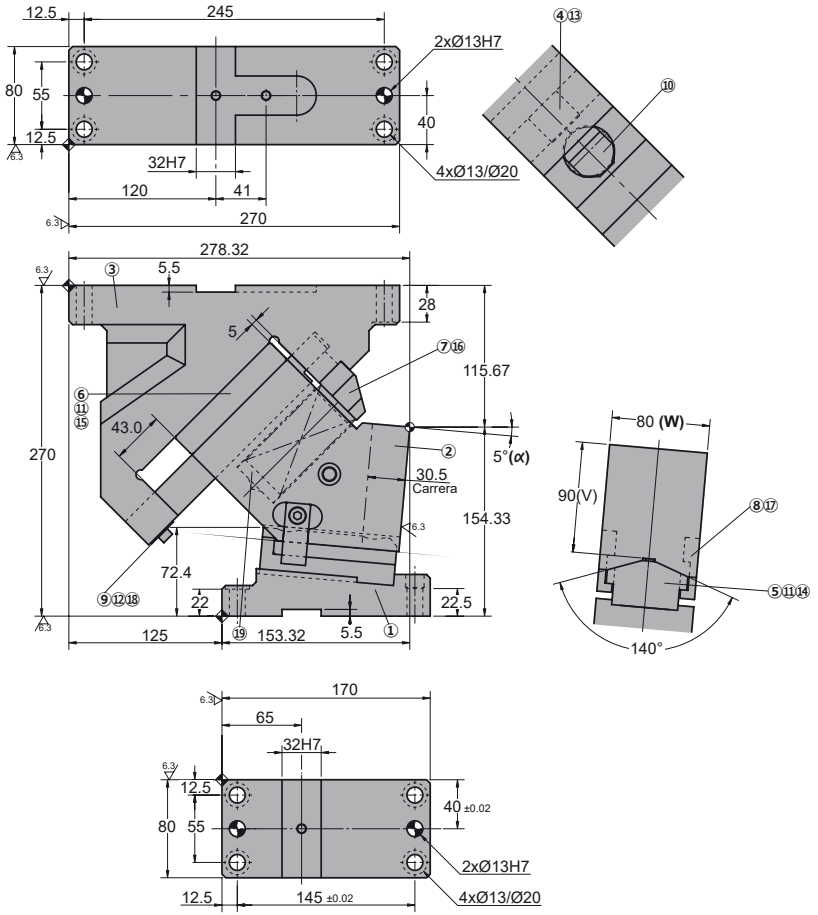
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10

ASGN 0080

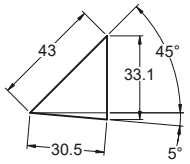
Aerial cam for pierce

AZOL GAS

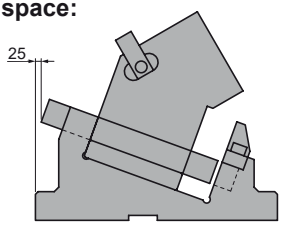
ASGN 0080 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.5	49.0 (5.0)	98.0 (10.0)	324.0 (33.0)	1872.0 (190.8)	32.0	ASGN	0080	05

Order: Model (W) (α)

ASGN 0080 05

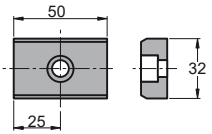
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo.
Para más opciones solicitar algún modelo.
For more options request some model.
Para mais opções solicitar algum modelo.

OPTIONS

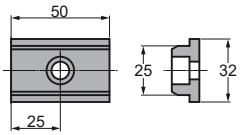
K - KU

KEY

K

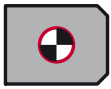


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 05-K
ASGN 0080 05-P12
ASGN 0080 05-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

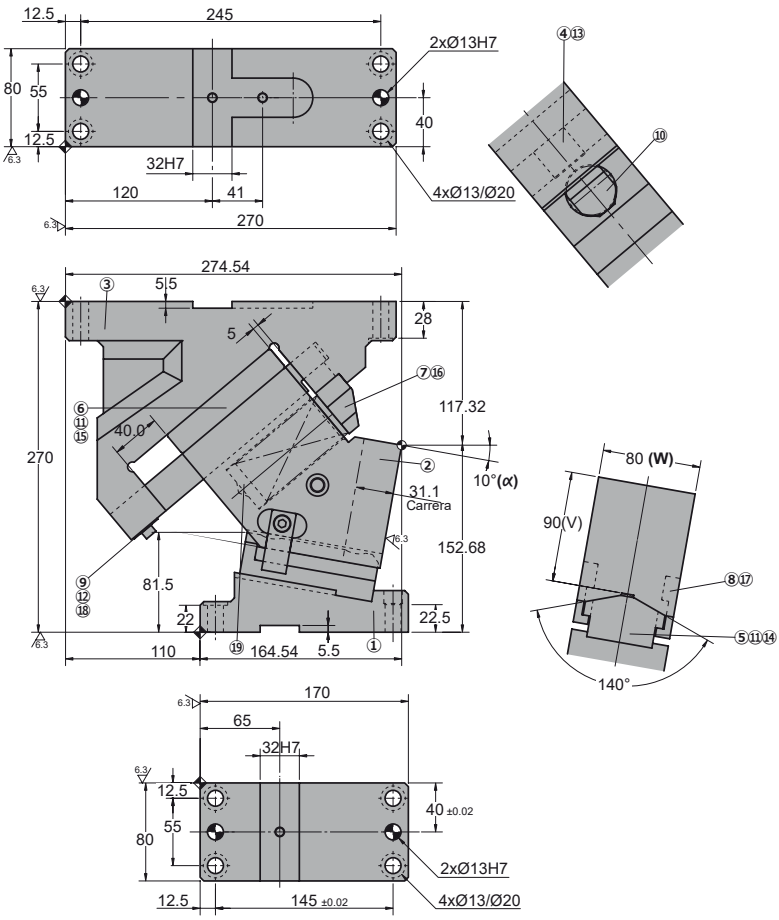
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

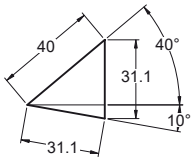
Aerial cam for pierce

AZOL GAS

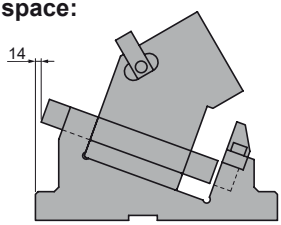
ASGN 0080 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
31.1	49.0 (5.0)	98.0 (10.0)	432.0 (44.0)	1872.0 (190.8)	32.0	ASGN	0080	10

Order: Model (W) (α)

ASGN 0080 10

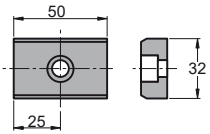
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar catálogo completo.
For more options request complete catalog.
Para mais opções solicitar catálogo completo.

OPTIONS

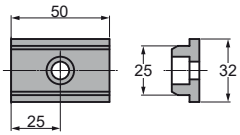
K - KU

KEY

K

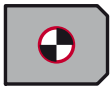


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 10-K

ASGN 0080 10-P12

ASGN 0080 10-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

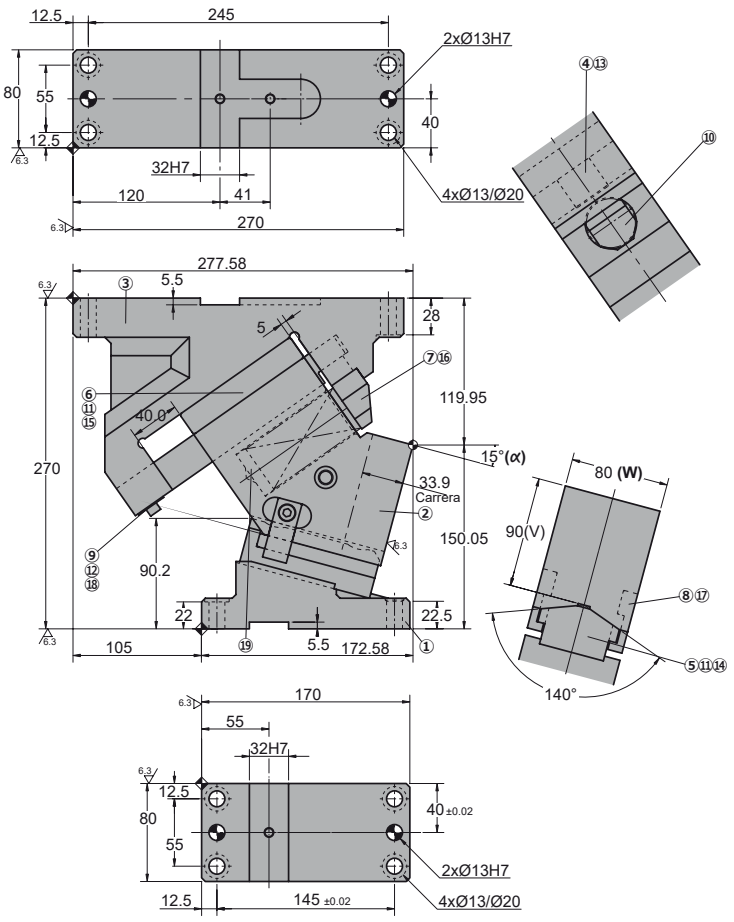
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

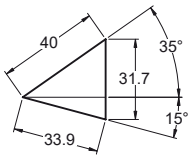
Aerial cam for pierce

AZOL GAS

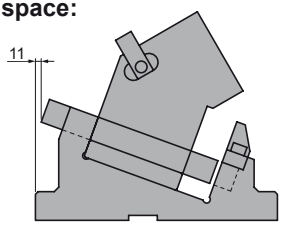
ASGN 0080 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
33.9	49.0 (5.0)	98.0 (10.0)	432.0 (44.0)	1872.0 (190.8)	32.0	ASGN	0080	15

Order: Model (W) (α)

ASGN 0080 15

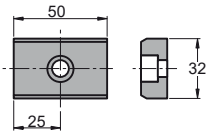
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

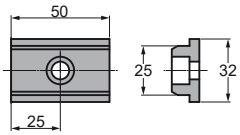
K - KU

KEY

K

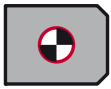


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 15-K

ASGN 0080 15-P12

ASGN 0080 15-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-139
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

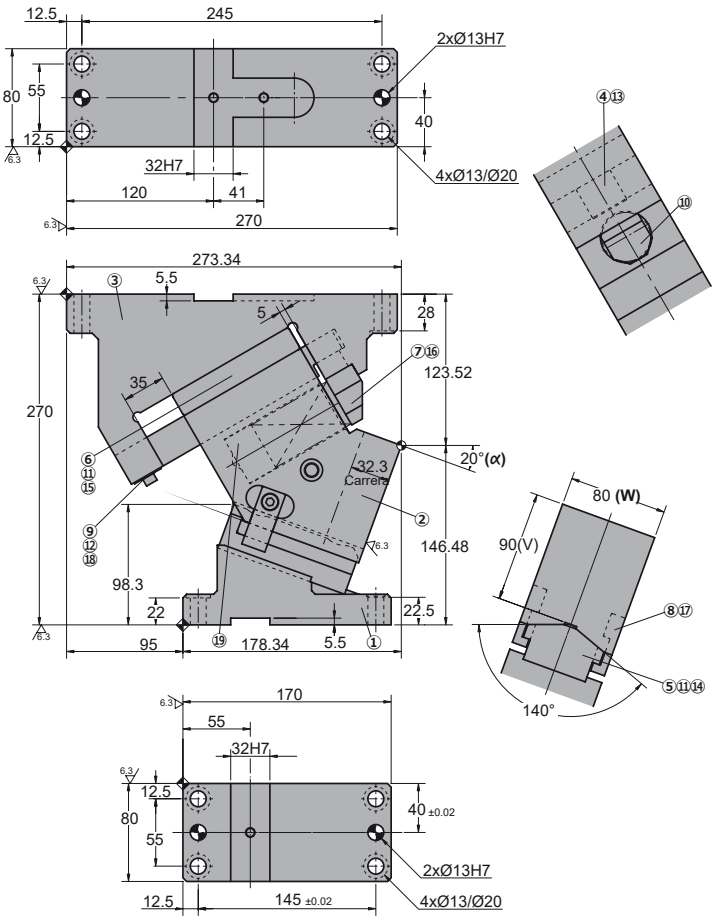
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

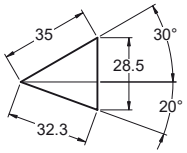
Aerial cam for pierce

AZOL GAS

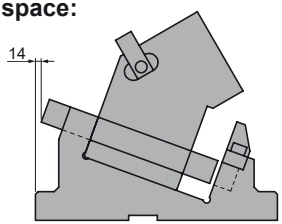
ASGN 0080 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.3	49.0 (5.0)	98.0 (10.0)	391.5 (39.9)	1914.0 (194.9)	32.0	ASGN	0080	20

Order: Model (W) (α)

ASGN 0080 20

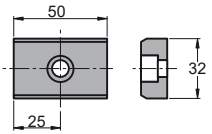
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún pedido de opciones.
Para más opciones solicitar algún pedido de opciones.
For more options request some options order.
Para mais opções solicitar algum pedido de opções.

OPTIONS

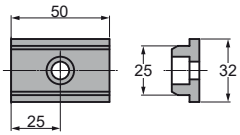
K - KU

KEY

K

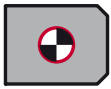


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 20-K
ASGN 0080 20-P12
ASGN 0080 20-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

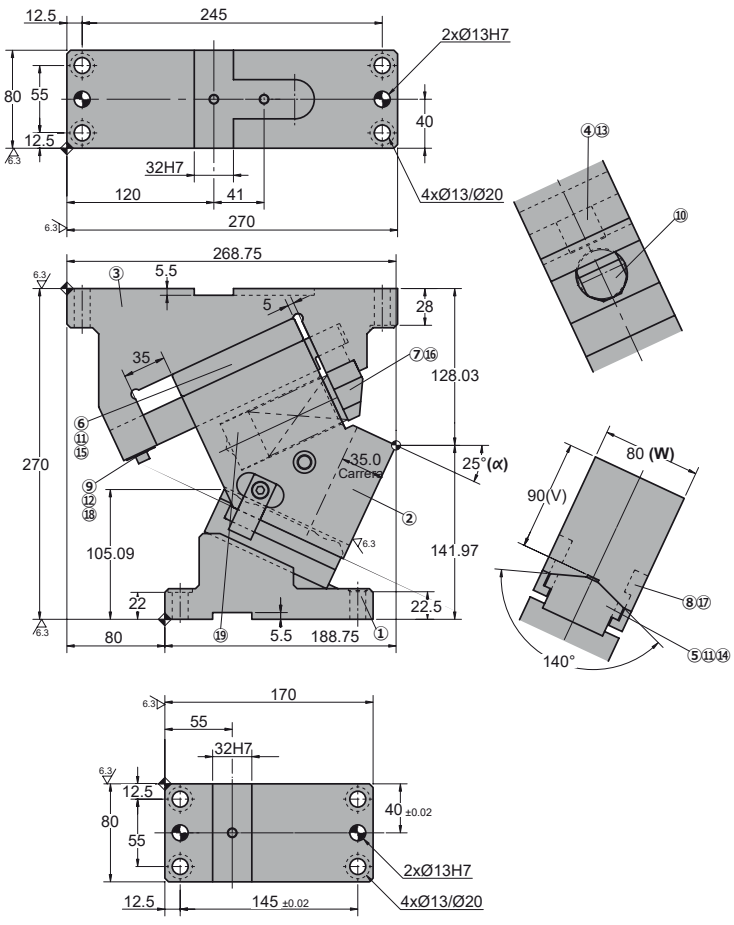
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

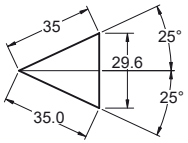
Aerial cam for pierce

AZOL GAS

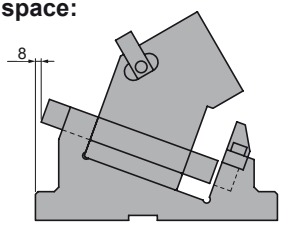
ASGN 0080 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.0	49.0 (5.0)	98.0 (10.0)	391.5 (39.9)	1914.0 (194.9)	30.0	ASGN	0080	25

Order: Model (W) (α)

ASGN 0080 25

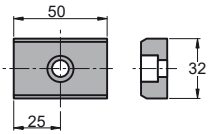
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar catálogo completo.
For more options request complete catalog.
Para mais opções solicitar catálogo completo.

OPTIONS

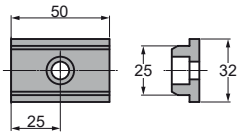
K - KU

KEY

K

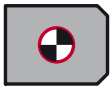


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 25-K
ASGN 0080 25-P12
ASGN 0080 25-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

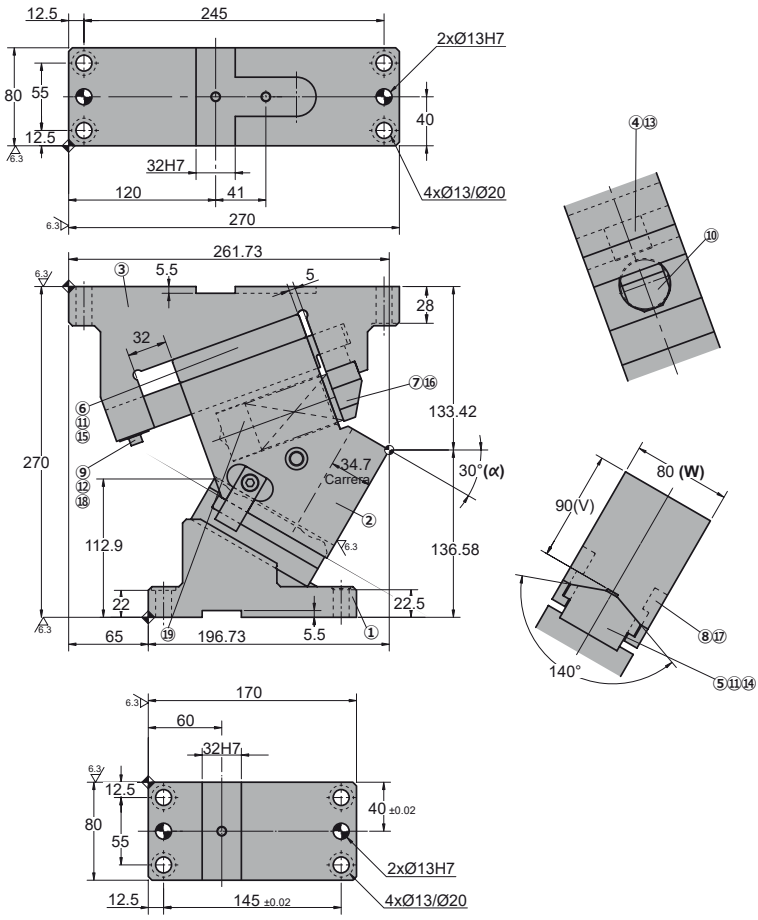
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

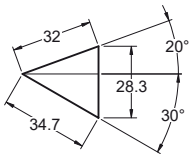
Aerial cam for pierce

AZOL GAS

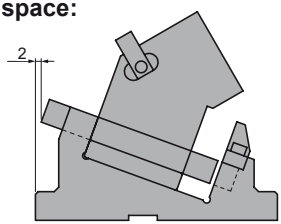
ASGN 0080 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
34.7	49.0 (5.0)	98.0 (10.0)	522.0 (53.2)	1914.0 (194.9)	30.0	ASGN	0080	30

Order: Model (W) (α)

ASGN 0080 30

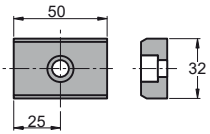
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

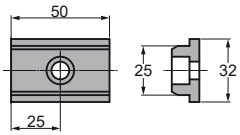
K - KU

KEY

K

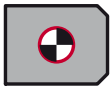


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 30-K
ASGN 0080 30-P12
ASGN 0080 30-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

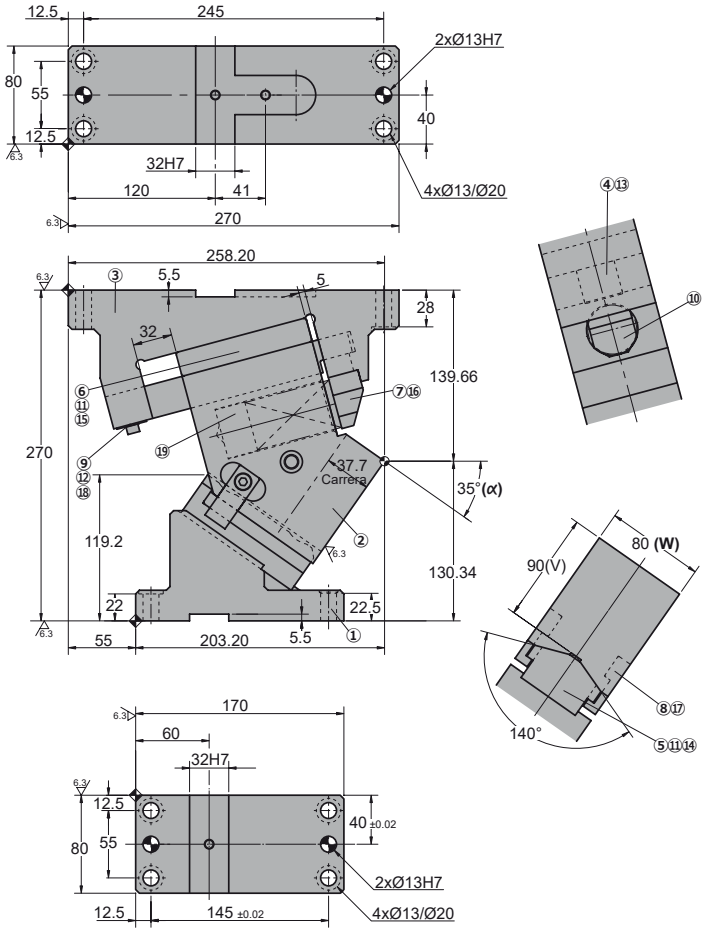
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

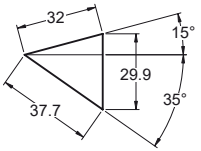
Aerial cam for pierce

AZOL GAS

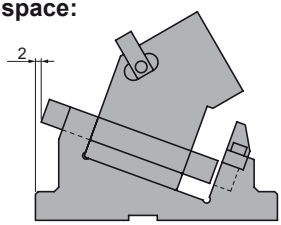
ASGN 0080 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
37.7	49.0 (5.0)	98.0 (10.0)	522.0 (53.2)	1914.0 (194.9)	30.0	ASGN	0080	35

Order: Model (W) (α)

ASGN 0080 35

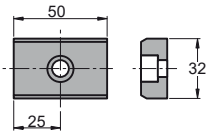
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Add suffix to specify options.
Añadir sufijo para especificar opciones.

OPTIONS

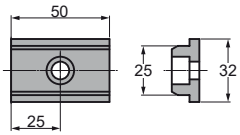
K - KU

KEY

K

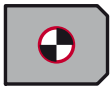


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 35-K

ASGN 0080 35-P12

ASGN 0080 35-P12-K

SPARE PARTS:
- ⑤ Slider Guide
- ⑥ Lower Plate
- ⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

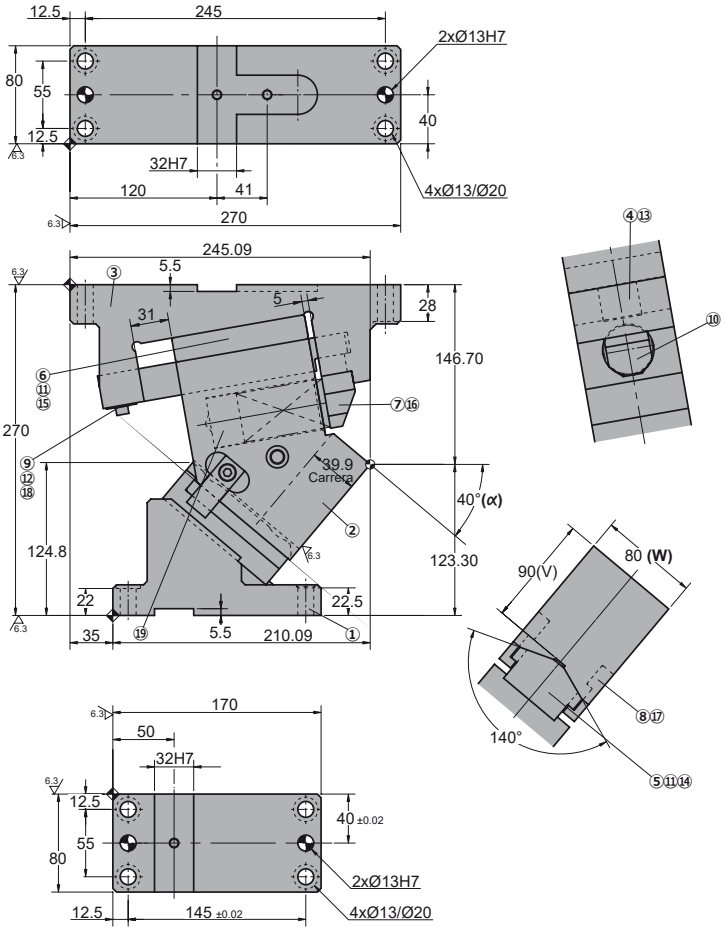
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

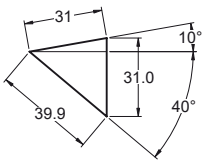
Aerial cam for pierce

AZOL GAS

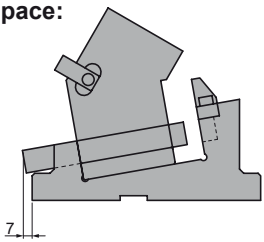
ASGN 0080 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.9	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	29.0	ASGN	0080	40

Order: Model (W) (α)

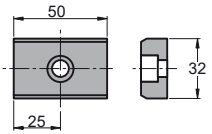
ASGN 0080 40

Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Add suffix to specify options.
Añadir sufijo para especificar opciones.

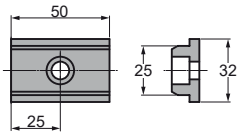
OPTIONS

K - KU KEY

K

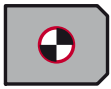


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 40-K
ASGN 0080 40-P12
ASGN 0080 40-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

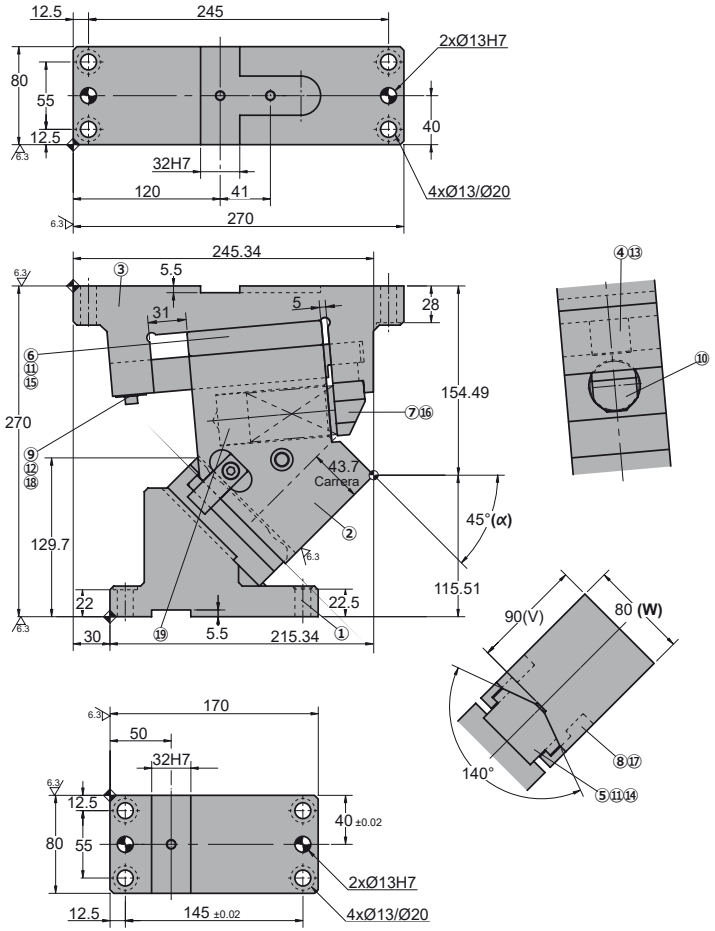
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

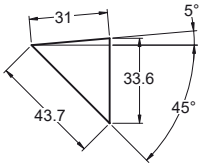
Aerial cam for pierce

AZOL GAS

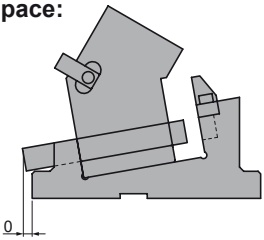
ASGN 0080 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.7	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	29.0	ASGN	0080	45

Order: Model (W) (α)

ASGN 0080 45

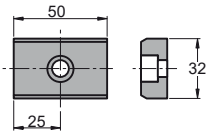
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Para más opciones solicitar algún plano.
Add more options ask for some drawing.

OPTIONS

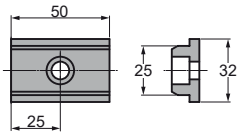
K - KU

KEY

K

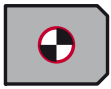


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 45-K

ASGN 0080 45-P12

ASGN 0080 45-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

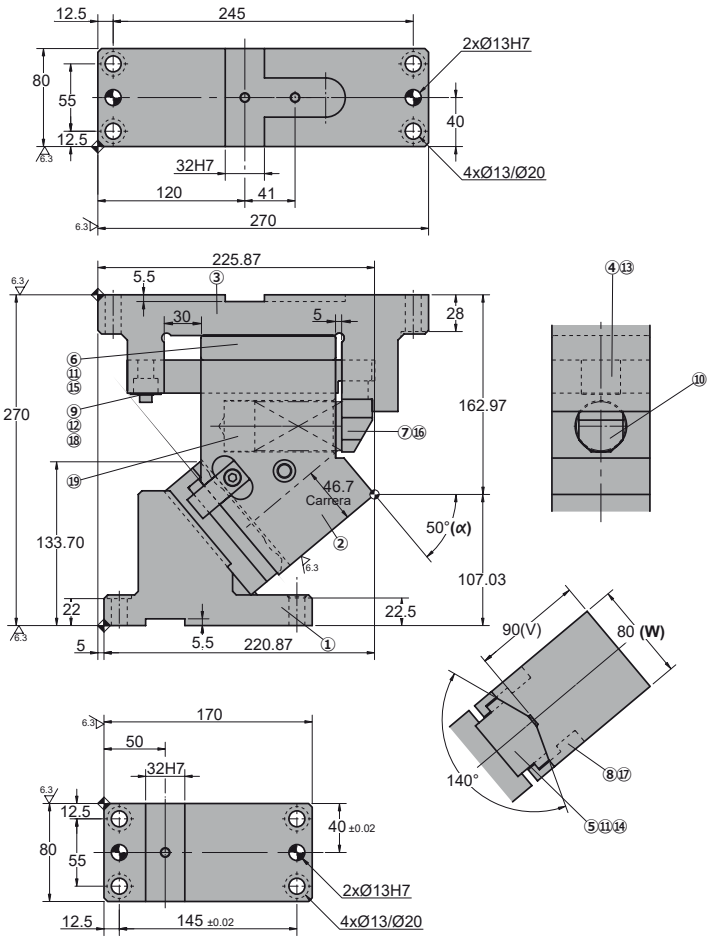
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

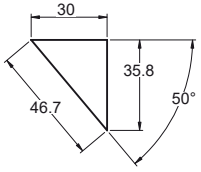
Aerial cam for pierce

AZOL GAS

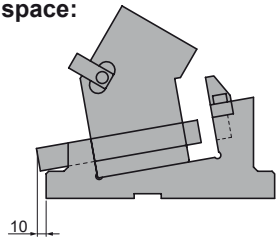
ASGN 0080 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	49.0 (5.0)	98.0 (10.0)	609.0 (62.0)	1914.0 (194.9)	30.0	ASGN	0080	50

Order: Model (W) (α)

ASGN 0080 50

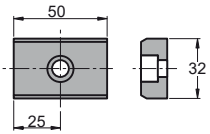
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún pedido de opciones.
Para más opciones solicitar algún pedido de opciones.
For more options request some options order.
Para mais opções solicitar algum pedido de opções.

OPTIONS

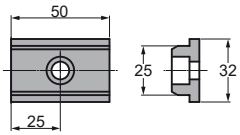
K - KU

KEY

K

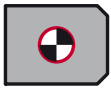


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 50-K

ASGN 0080 50-P12

ASGN 0080 50-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

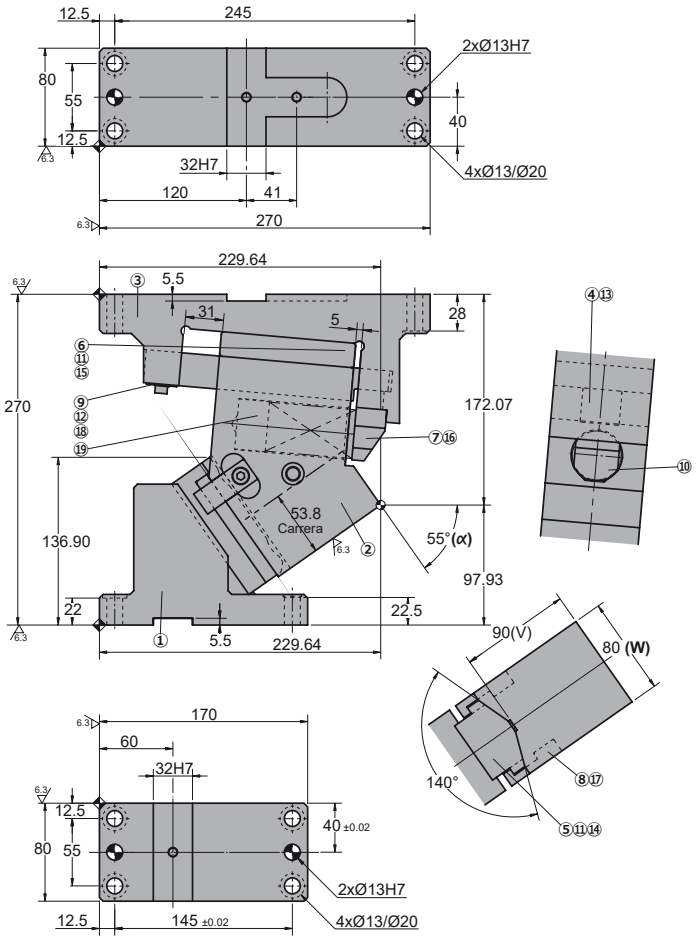
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

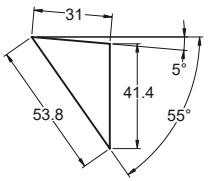
Aerial cam for pierce

AZOL GAS

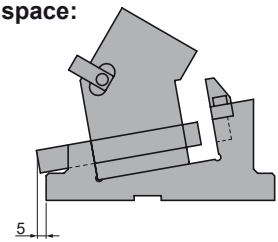
ASGN 0080 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
53.8	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	30.0	ASGN	0080	55

Order: Model (W) (α)

ASGN 0080 55

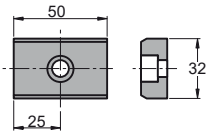
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún medio de opciones.
Para más opciones solicitar algún medio de opciones.
For more options request some kind of options.
Para mais opções solicitar algum meio de opções.

OPTIONS

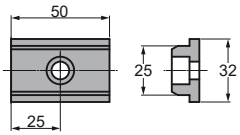
K - KU

KEY

K

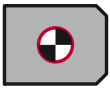


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 55-K

ASGN 0080 55-P12

ASGN 0080 55-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

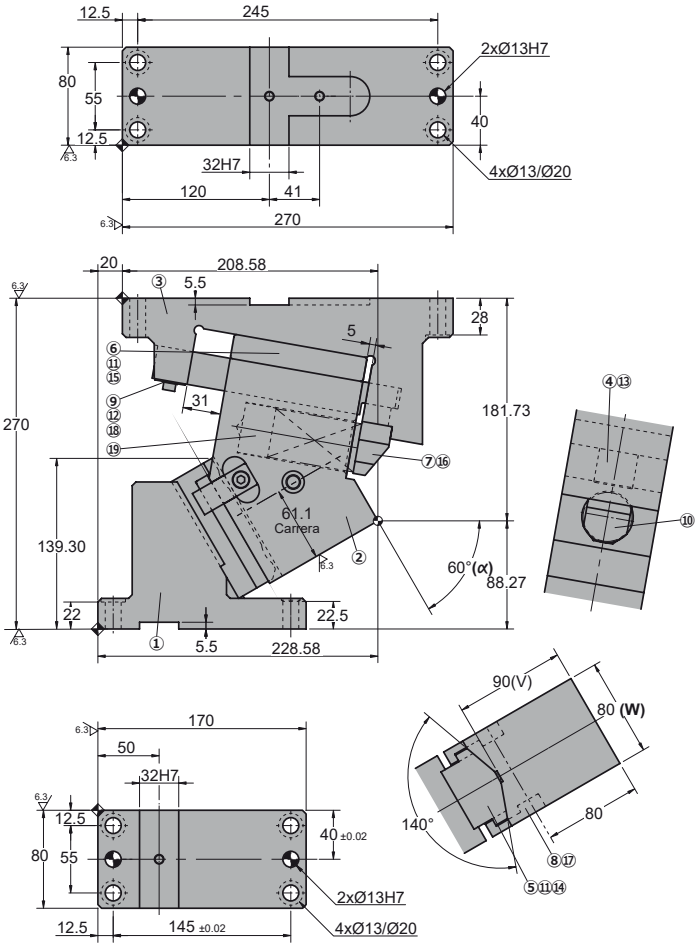
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

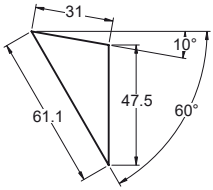
Aerial cam for pierce

AZOL GAS

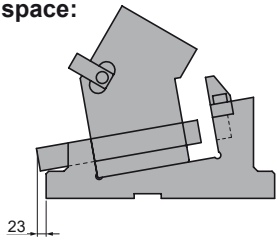
ASGN 0080 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
61.1	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	31.0	ASGN	0080	60

Order: Model (W) (α)

ASGN 0080 60

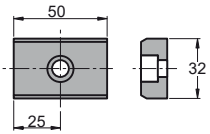
Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Example order according to catalog sheet.
Exemplo de encomenda de acordo com a folha de catálogo.
Para más opciones solicitar algún modelo de opciones.
Para más opciones solicitar algún modelo de opciones.
For more options request some options model.
Para mais opções solicitar algum modelo de opções.

OPTIONS

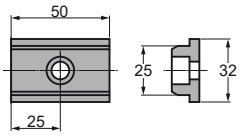
K - KU

KEY

K

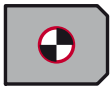


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 60-K

ASGN 0080 60-P12

ASGN 0080 60-P12-K

SPARE PARTS:

⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

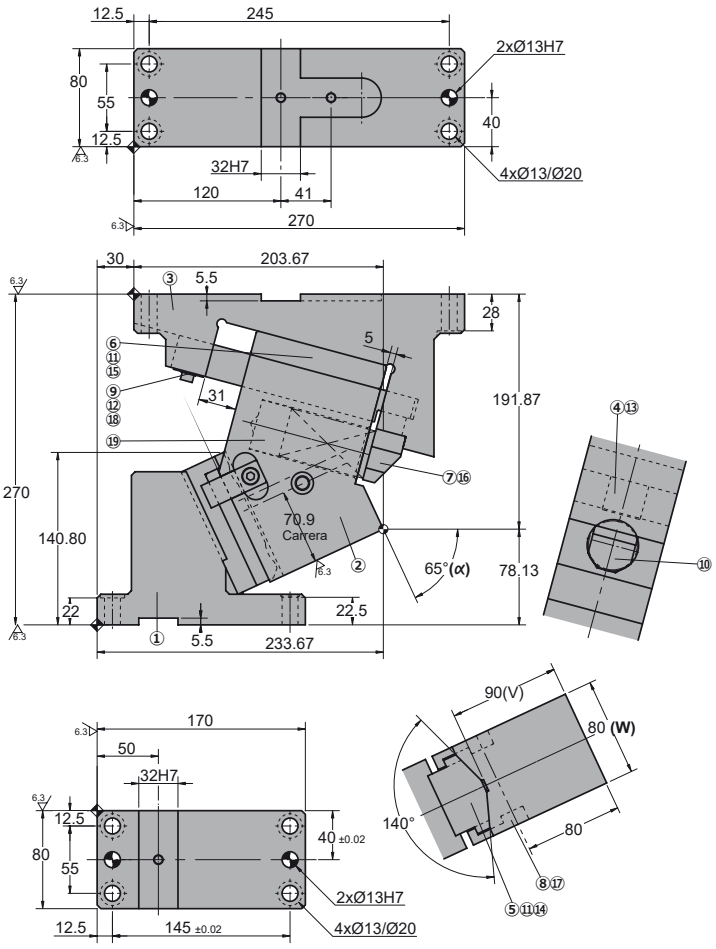
No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

ASGN 0080

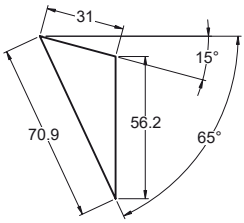
Aerial cam for pierce

AZOL GAS

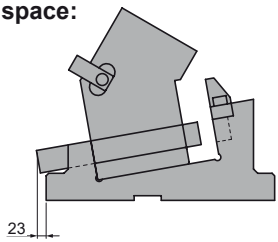
ASGN 0080 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0080

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.9	49.0 (5.0)	98.0 (10.0)	565.5 (57.6)	1914.0 (194.9)	32.0	ASGN	0080	65

Order: Model (W) (α)

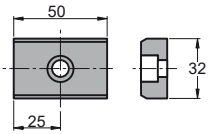
ASGN 0080 65

Ejemplo de pedido según catálogo.
Ejemplo de pedido según catálogo.
Add suffix for options
Añadir sufijo para opciones

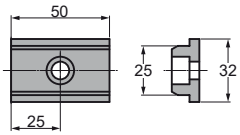
OPTIONS

K - KU KEY

K

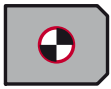


KU



3 x M8x15

P PINS



P12 - Ø12 H7.

Order Options: Model (W) (α)-Option

ASGN 0080 65-K
ASGN 0080 65-P12
ASGN 0080 65-P12-K

SPARE PARTS:
⑤ Slider Guide
⑥ Lower Plate
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	CK45
③	Cam Holder	1	GG25
④	Guide Bar	1	Bronze + G
⑤	Slider Guide	1	Bronze + G
⑥	Lower Plate	1	CK45
⑦	Stopper Plate	1	CK22
⑧	Slide Plate	2	CK45
⑨	Positive Return	1	CK22
⑩	Coil Spring	1	TJL40-115
⑪	Dowel Pin	4	Ø8 x 30
⑫	Disc Spring	2	M6
⑬	Screw	1	M12 x 35
⑭	Screw	2	M12 x 40
⑮	Screw	4	M10 x 25

No.	Description	Qty.	Material
⑯	Screw	2	M10 x 30
⑰	Screw	2	M8 x 18
⑱	Screw	2	M6 x 10
⑲	Spacer	1	CK45

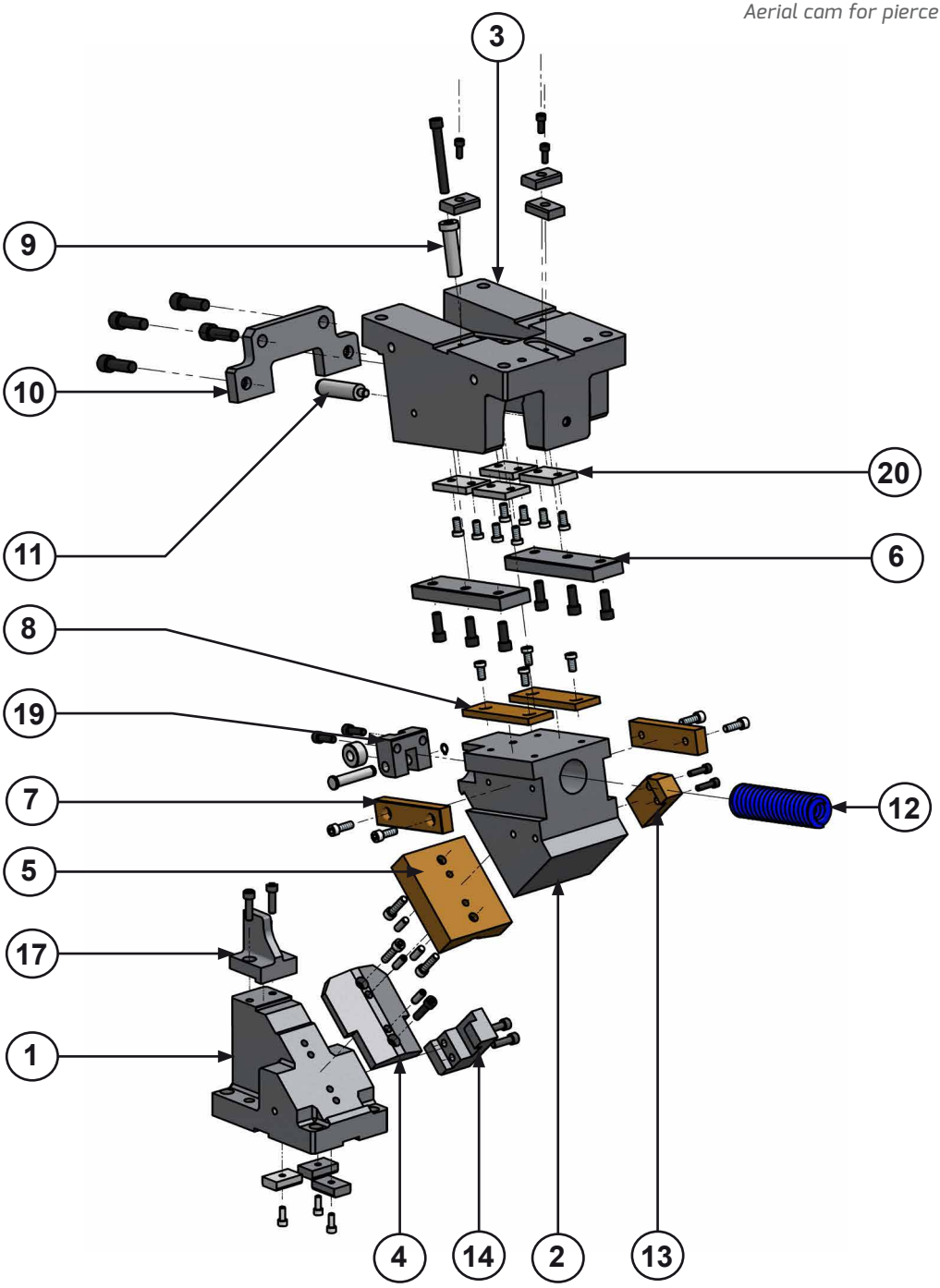
ASGN 0080

Aerial cam for pierce

AZOL GAS

ASGN 0150

Aerial cam for pierce

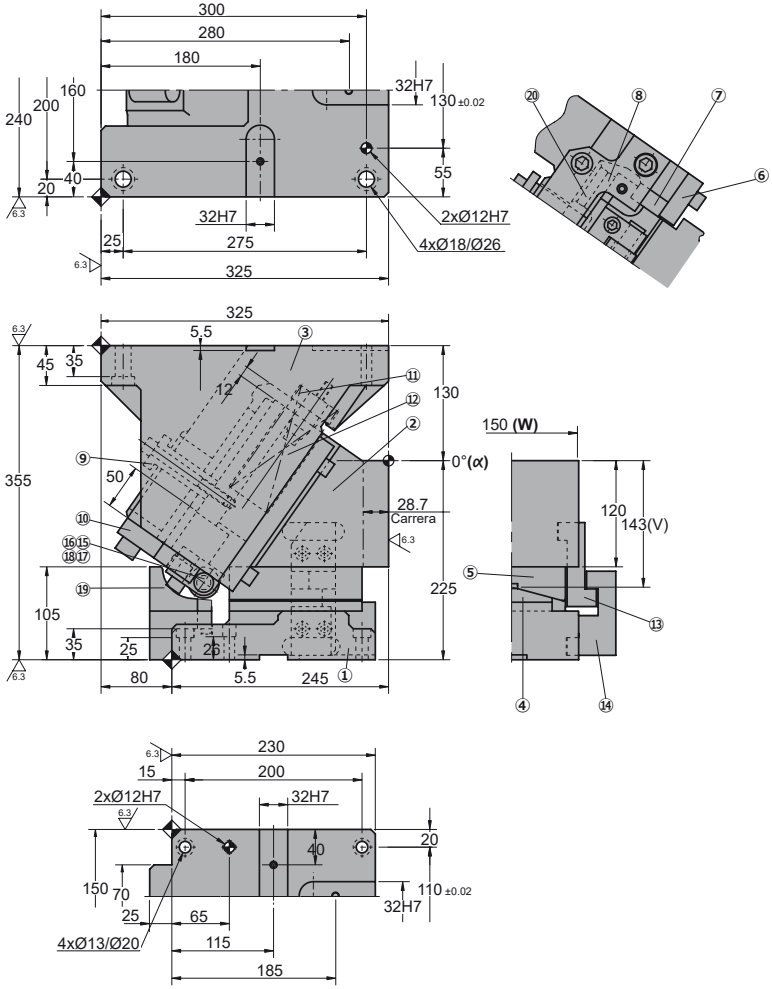


ASGN 0150

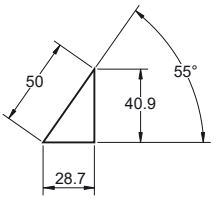
Aerial cam for pierce

AZOL GAS

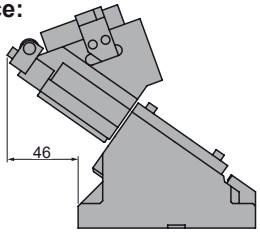
ASGN 0150 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.7	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.6	ASGN	0150	00

Order: Model (W) (α)

ASGN 0150 00

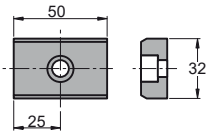
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

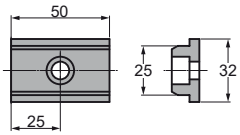
K - KU

KEY

K

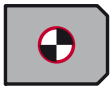


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 00-K

ASGN 0150 00-P13

ASGN 0150 00-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

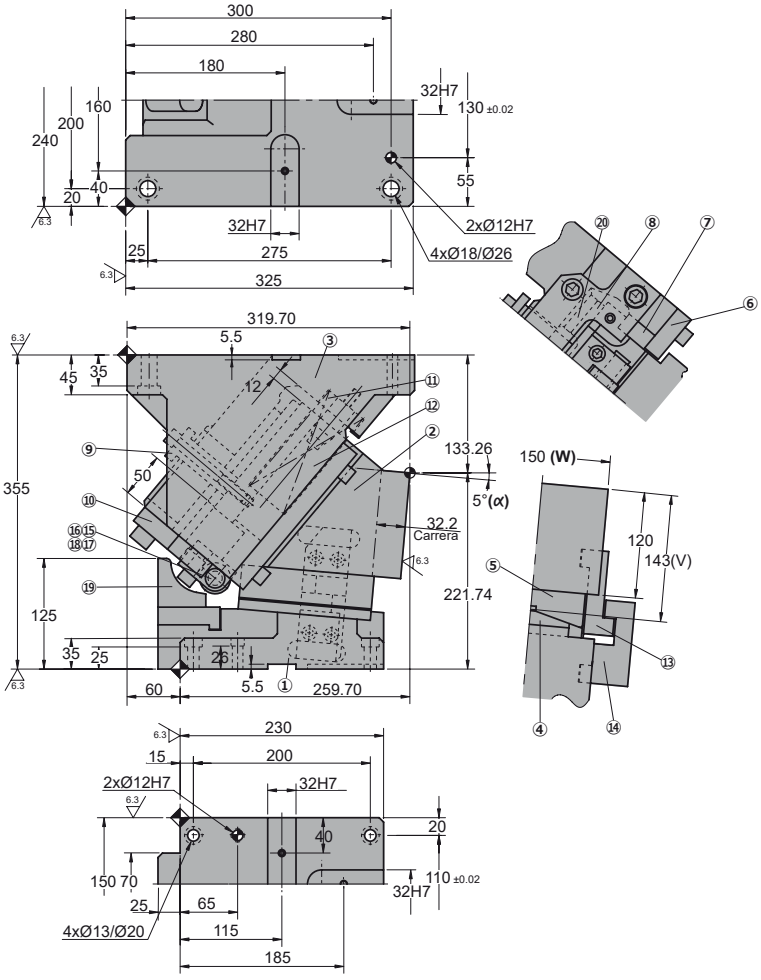
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

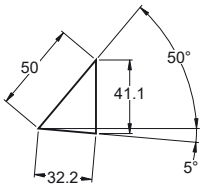
Aerial cam for pierce

AZOL GAS

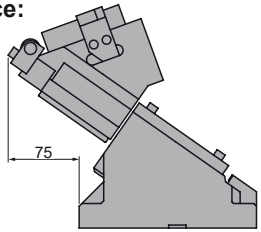
ASGN 0150 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.2	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	114.0	ASGN	0150	05

Order: Model (W) (α)

ASGN 0150 05

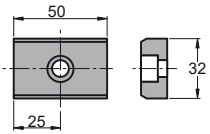
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

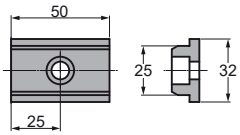
K - KU

KEY

K

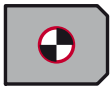


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 05-K

ASGN 0150 05-P13

ASGN 0150 05-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

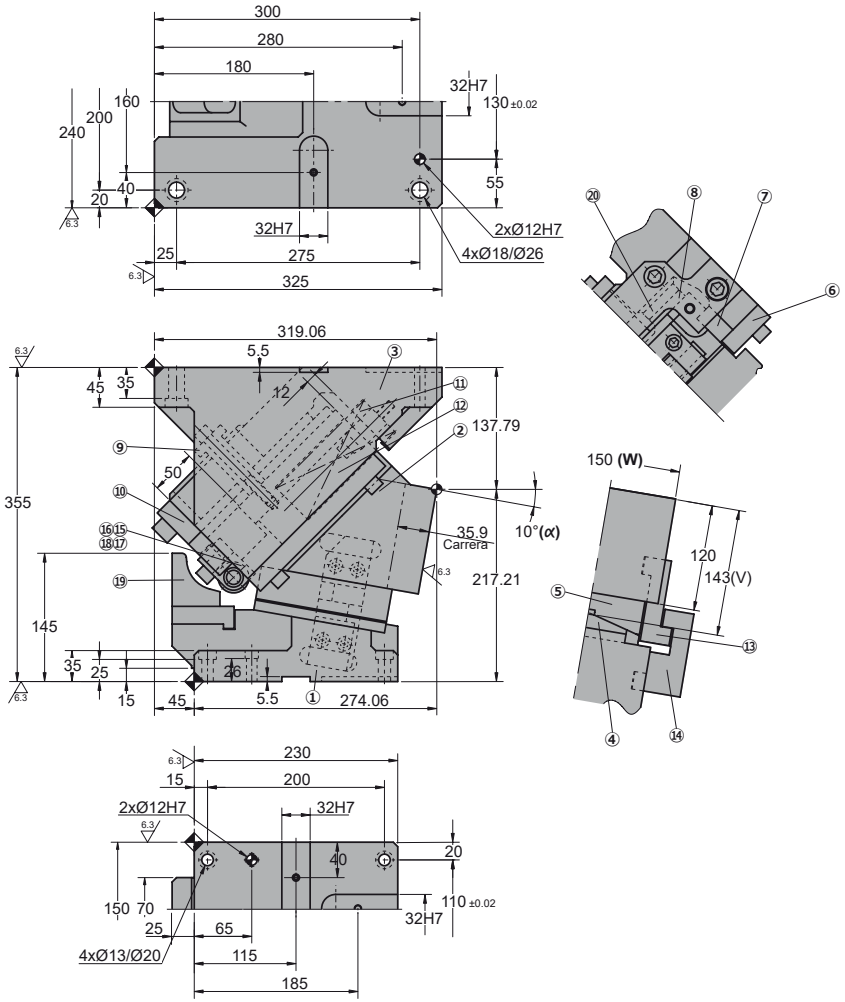
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

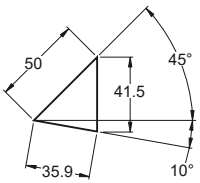
Aerial cam for pierce

AZOL GAS

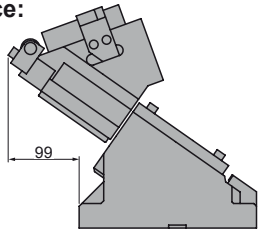
ASGN 0150 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.9	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	113.4	ASGN	0150	10

Order: Model (W) (α)

ASGN 0150 10

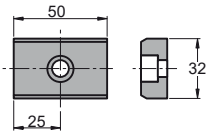
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

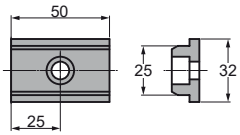
K - KU

KEY

K

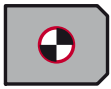


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 10-K

ASGN 0150 10-P13

ASGN 0150 10-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

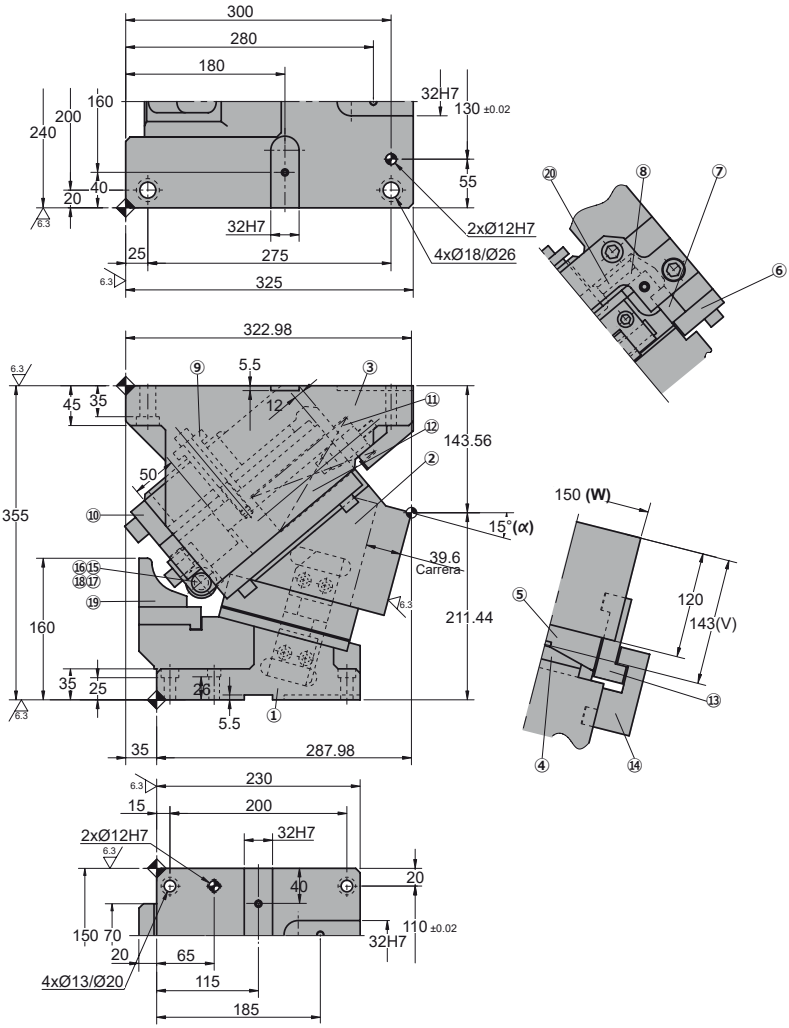
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

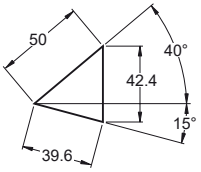
Aerial cam for pierce

AZOL GAS

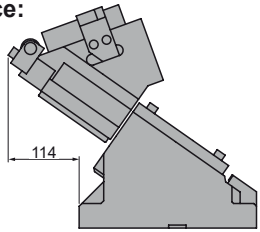
ASGN 0150 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	111.9	ASGN	0150	15

Order: Model (W) (α)

ASGN 0150 15

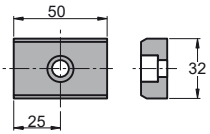
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

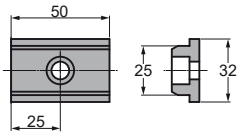
K - KU

KEY

K

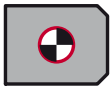


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 15-K

ASGN 0150 15-P13

ASGN 0150 15-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

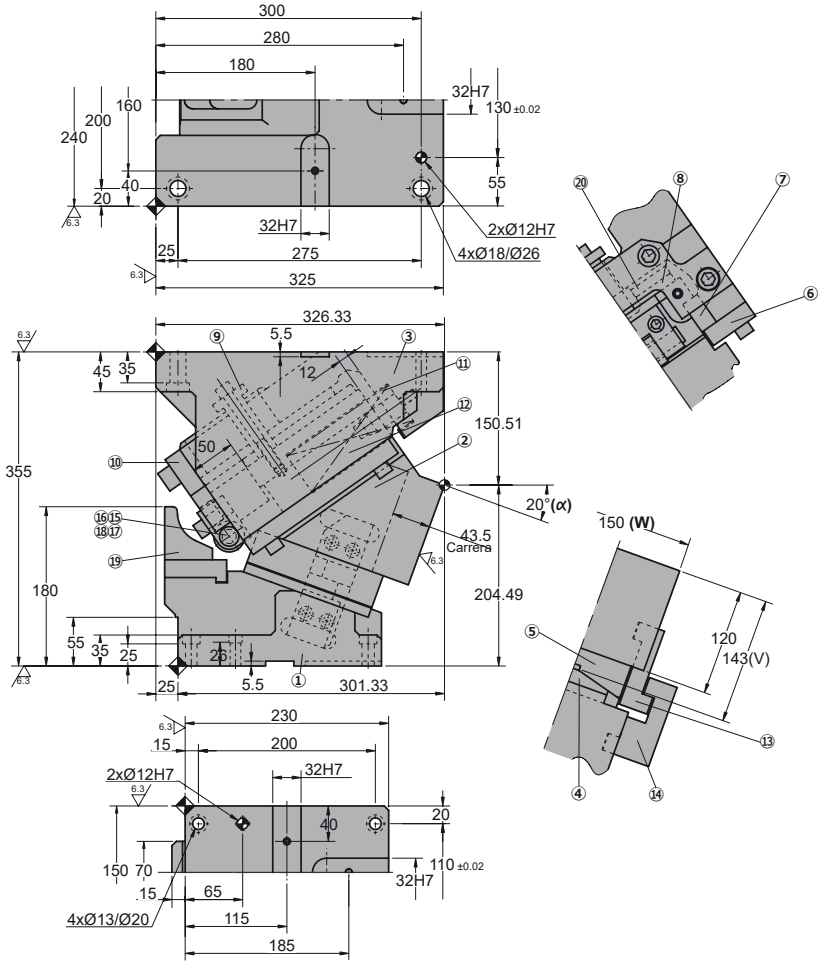
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

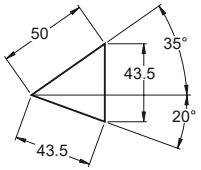
Aerial cam for pierce

AZOL GAS

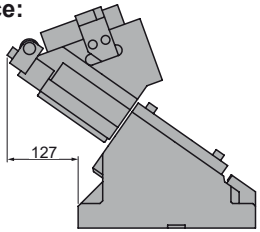
ASGN 0150 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	111.3	ASGN	0150	20

Order: Model (W) (α)

ASGN 0150 20

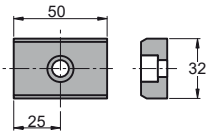
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

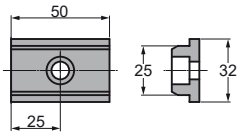
K - KU

KEY

K

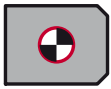


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 20-K

ASGN 0150 20-P13

ASGN 0150 20-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

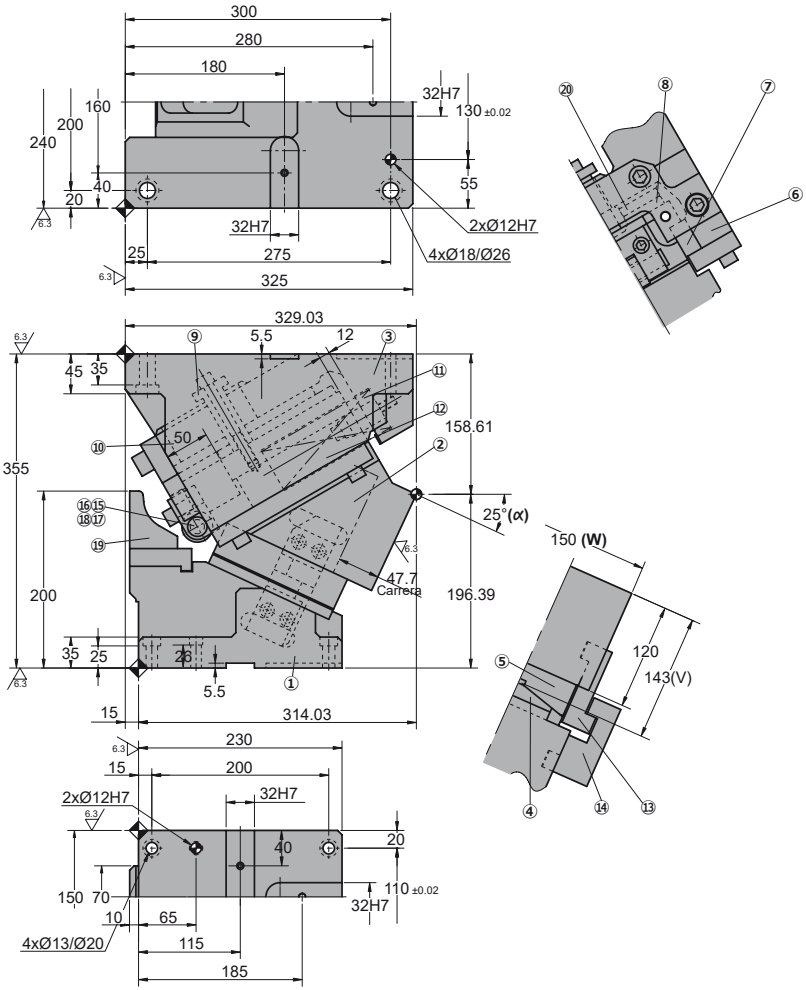
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

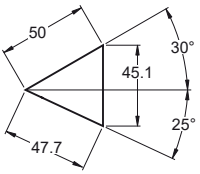
Aerial cam for pierce

AZOL GAS

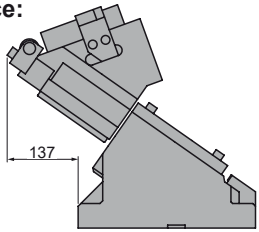
ASGN 0150 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.7	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	111.2	ASGN	150	25

Order: Model (W) (α)

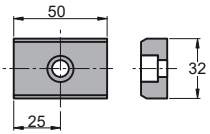
ASGN 0150 25

Standard order example according to catalog sheet.
Add options applying options table contens.

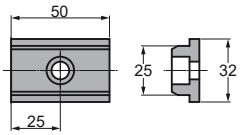
OPTIONS

K - KU KEY

K

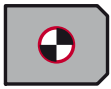


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 25-K

ASGN 0150 25-P13

ASGN 0150 25-P13-K

SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

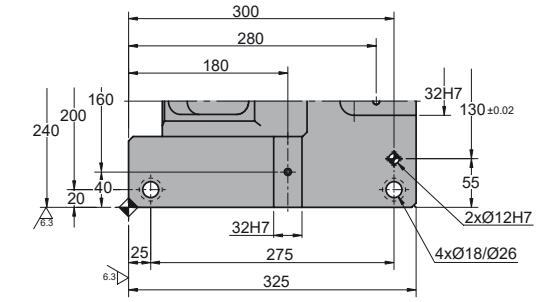
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

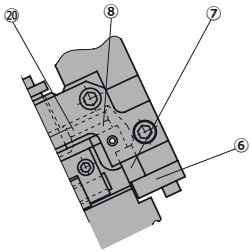
ASGN 0150

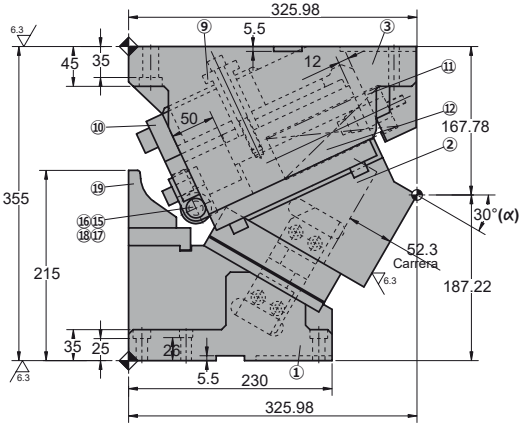
Aerial cam for pierce

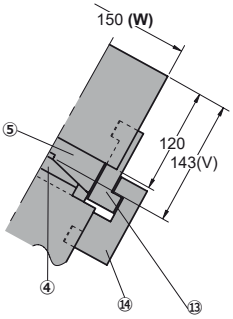
AZOL GAS

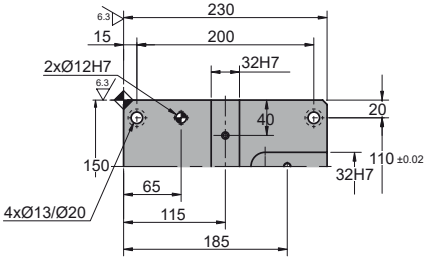
ASGN 0150 30



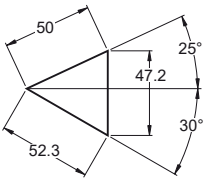




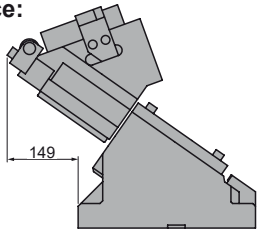




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	110.2	ASGN	0150	30

Order: Model (W) (α)

ASGN 0150 30

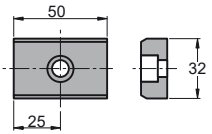
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

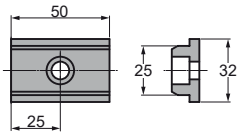
K - KU

KEY

K

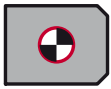


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 30-K

ASGN 0150 30-P13

ASGN 0150 30-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

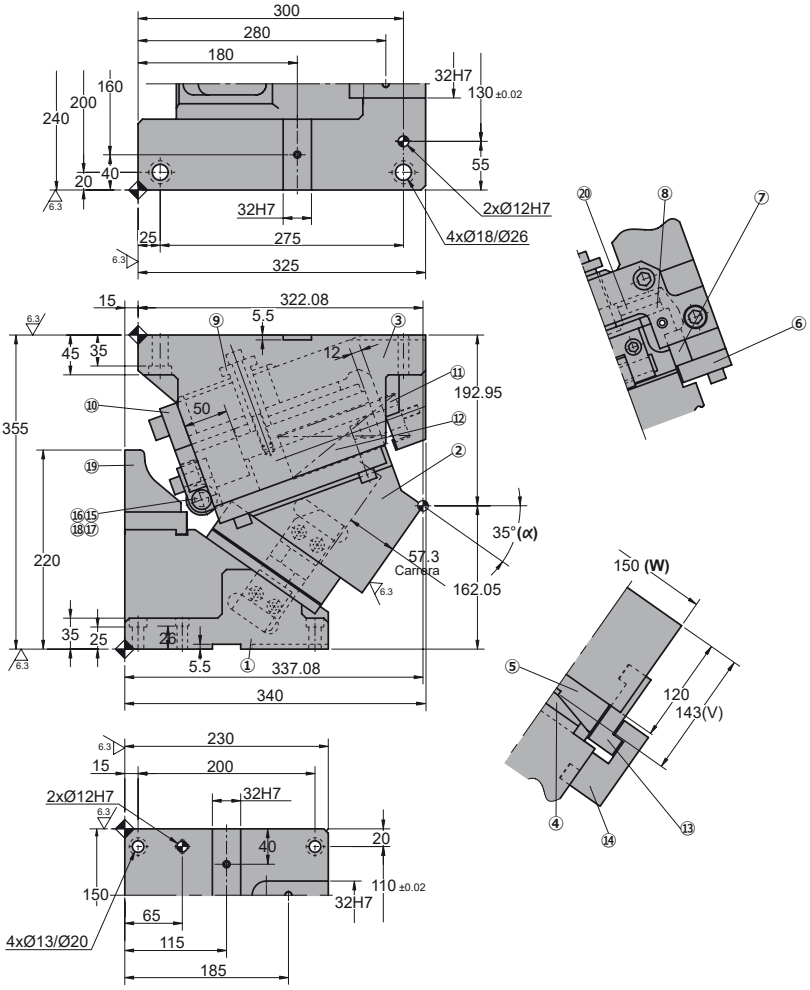
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

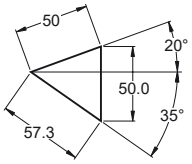
Aerial cam for pierce

AZOL GAS

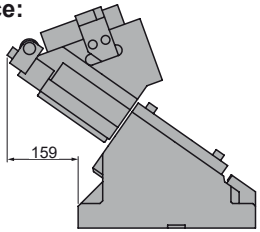
ASGN 0150 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	113.1	ASGN	0150	35

Order: Model (W) (α)

ASGN 0150 35

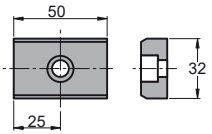
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

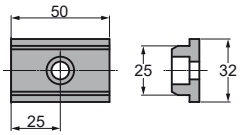
K - KU

KEY

K

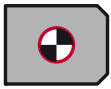


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 35-K

ASGN 0150 35-P13

ASGN 0150 35-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

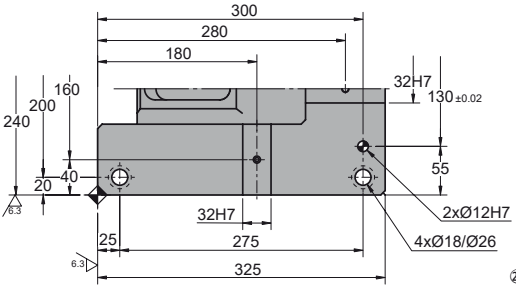
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

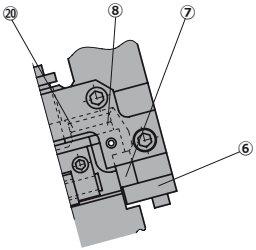
ASGN 0150

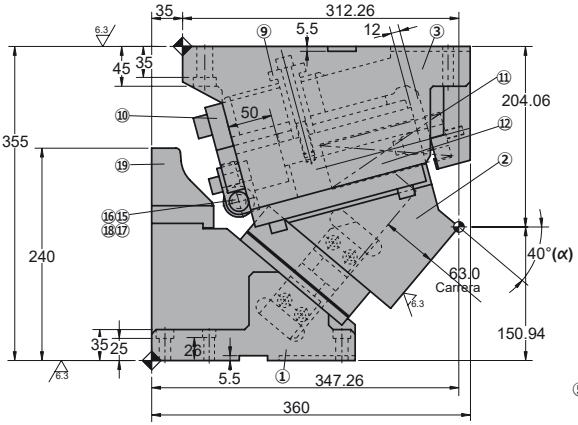
Aerial cam for pierce

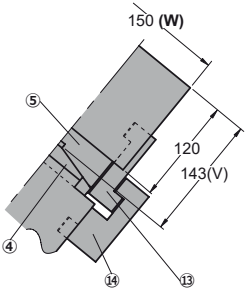
AZOL GAS

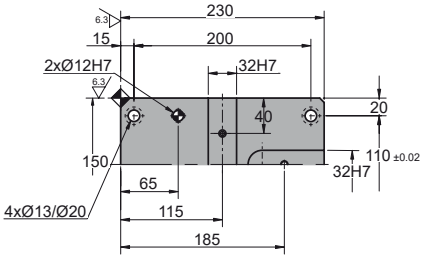
ASGN 0150 40



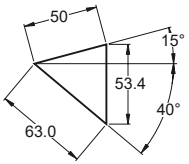




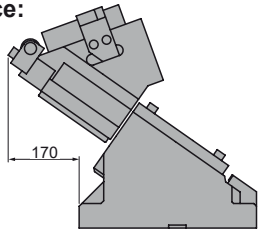




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
63.0	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	114.7	ASGN	0150	40

Order: Model (W) (α)

ASGN 0150 40

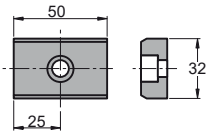
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

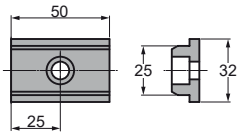
K - KU

KEY

K

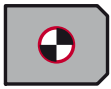


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 40-K

ASGN 0150 40-P13

ASGN 0150 40-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

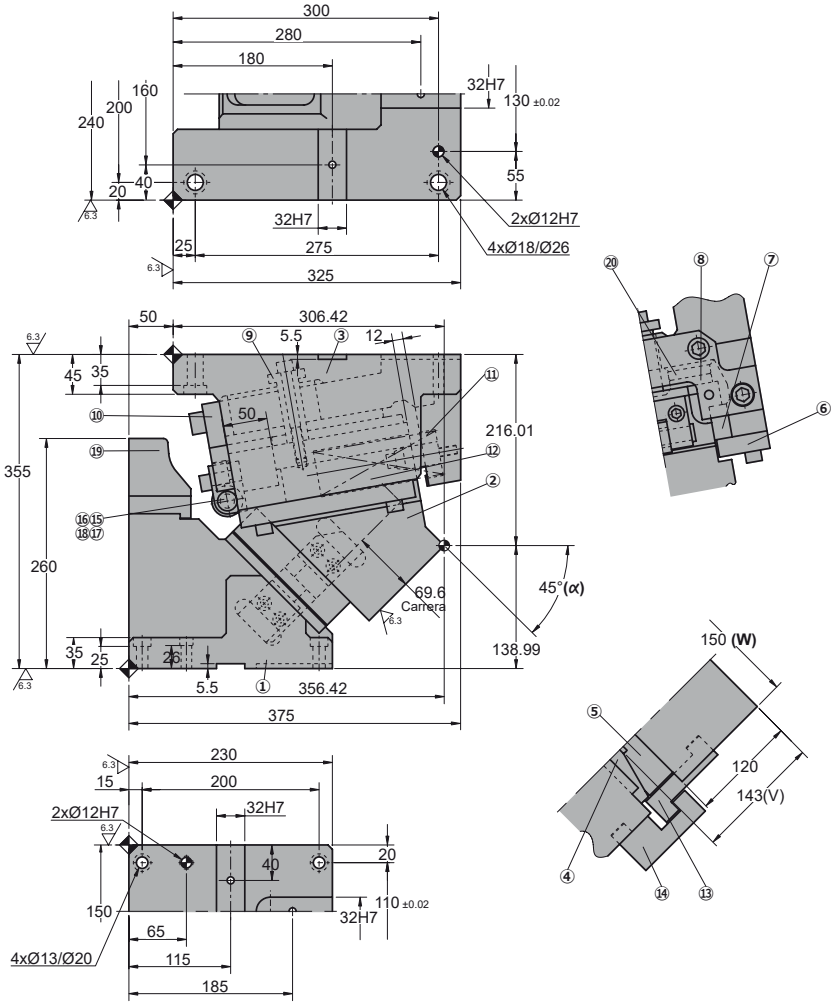
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

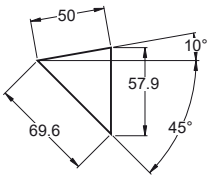
Aerial cam for pierce

AZOL GAS

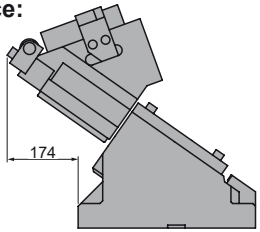
ASGN 0150 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
69.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	115.8	ASGN	0150	45

Order: Model (W) (α)

ASGN 0150 45

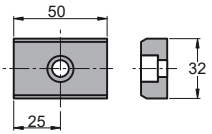
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

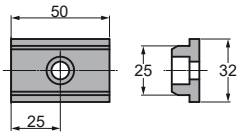
K - KU

KEY

K

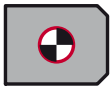


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 45-K

ASGN 0150 45-P13

ASGN 0150 45-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

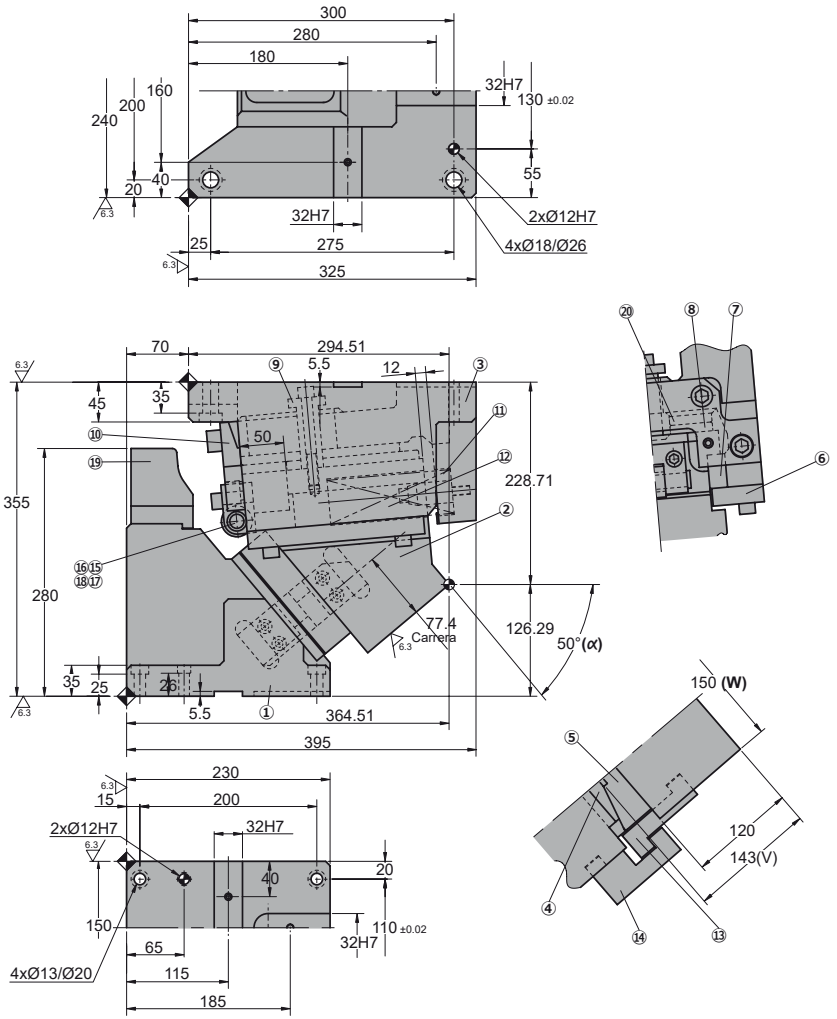
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

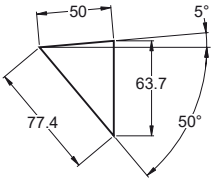
Aerial cam for pierce

AZOL GAS

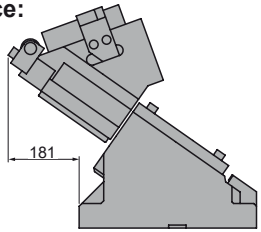
ASGN 0150 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.4	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.5	ASGN	0150	50

Order: Model (W) (α)

ASGN 0150 50

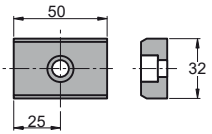
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

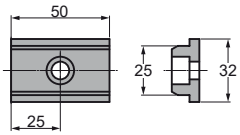
K - KU

KEY

K

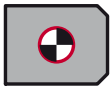


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 50-K

ASGN 0150 50-P13

ASGN 0150 50-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

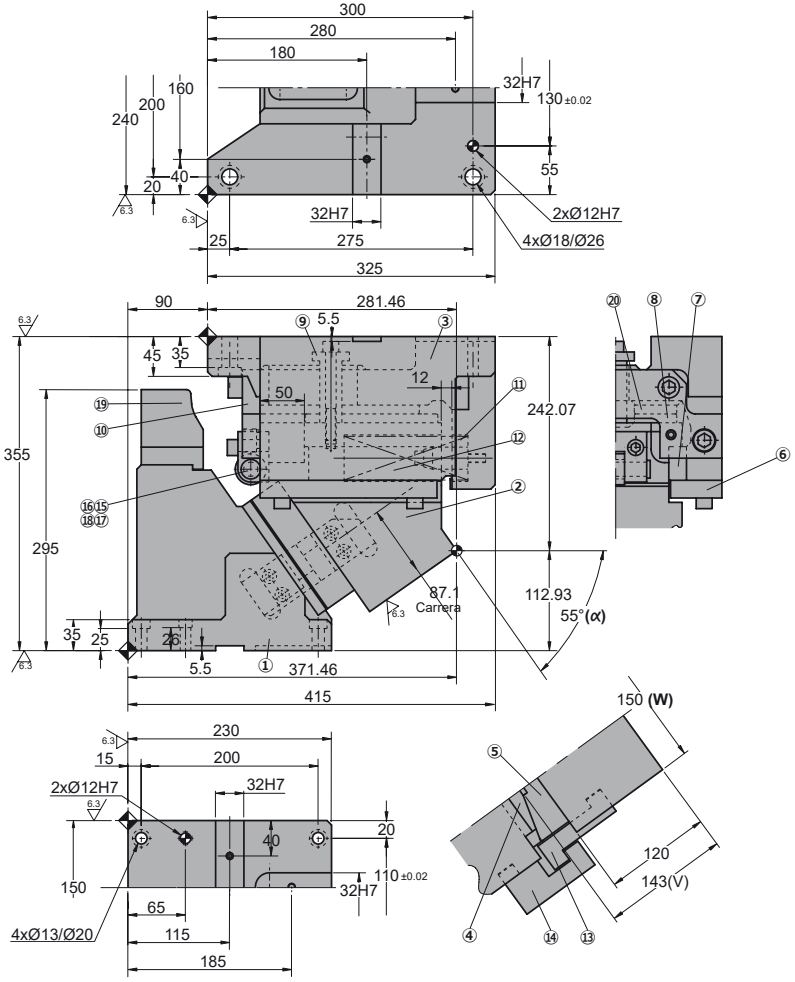
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

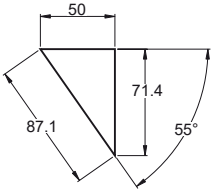
Aerial cam for pierce

AZOL GAS

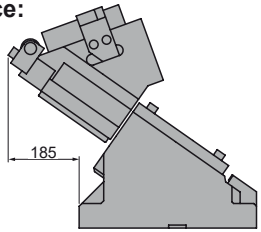
ASGN 0150 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.1	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	117.5	ASGN	0150	55

Order: Model (W) (α)

ASGN 0150 55

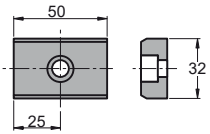
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

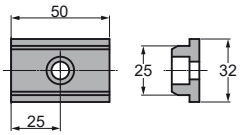
K - KU

KEY

K

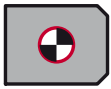


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 55-K

ASGN 0150 55-P13

ASGN 0150 55-P13-K

SPARE PARTS:

- ⑤ Slider guide 2
- ⑦ Slider Guide Plate
- ⑧ Slide Plate 1
- ⑫ Coil Spring
- ⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

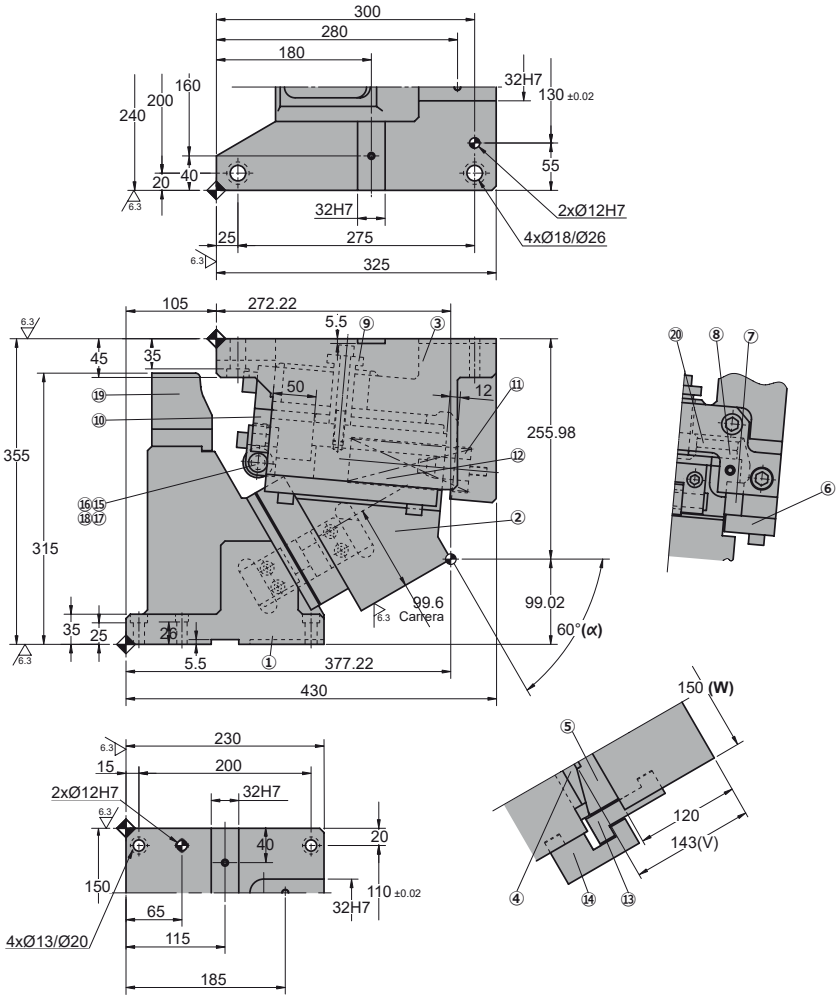
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

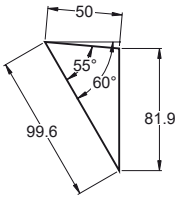
Aerial cam for pierce

AZOL GAS

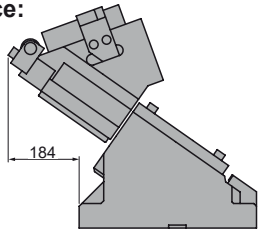
ASGN 0150 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
99.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	122.0	ASGN	0150	60

Order: Model (W) (α)

ASGN 0150 60

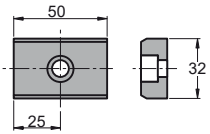
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

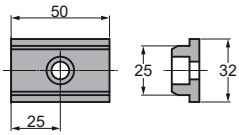
K - KU

KEY

K

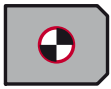


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 60-K

ASGN 0150 60-P13

ASGN 0150 60-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

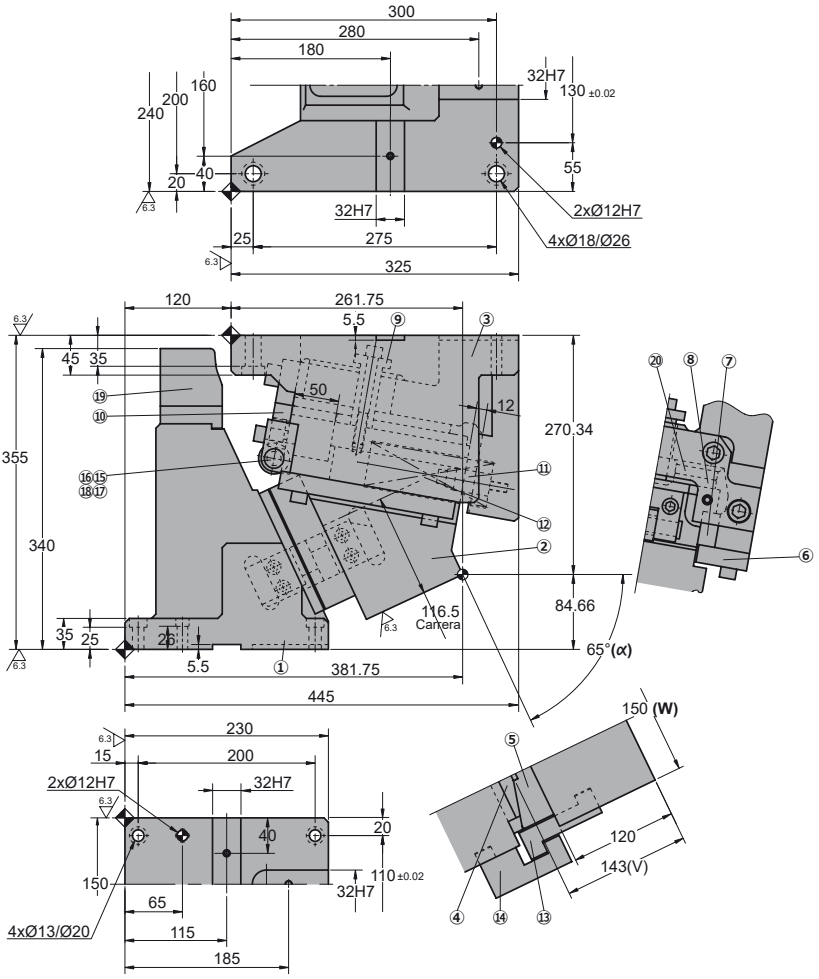
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

ASGN 0150

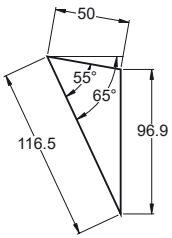
Aerial cam for pierce

AZOL GAS

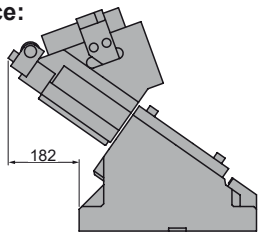
ASGN 0150 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0150

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
116.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.0	ASGN	0150	65

Order: Model (W) (α)

ASGN 0150 65

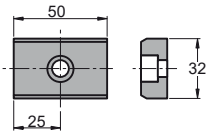
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

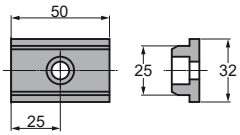
K - KU

KEY

K

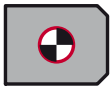


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0150 65-K

ASGN 0150 65-P13

ASGN 0150 65-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slide Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slide Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slide Plate 2	4	CK45

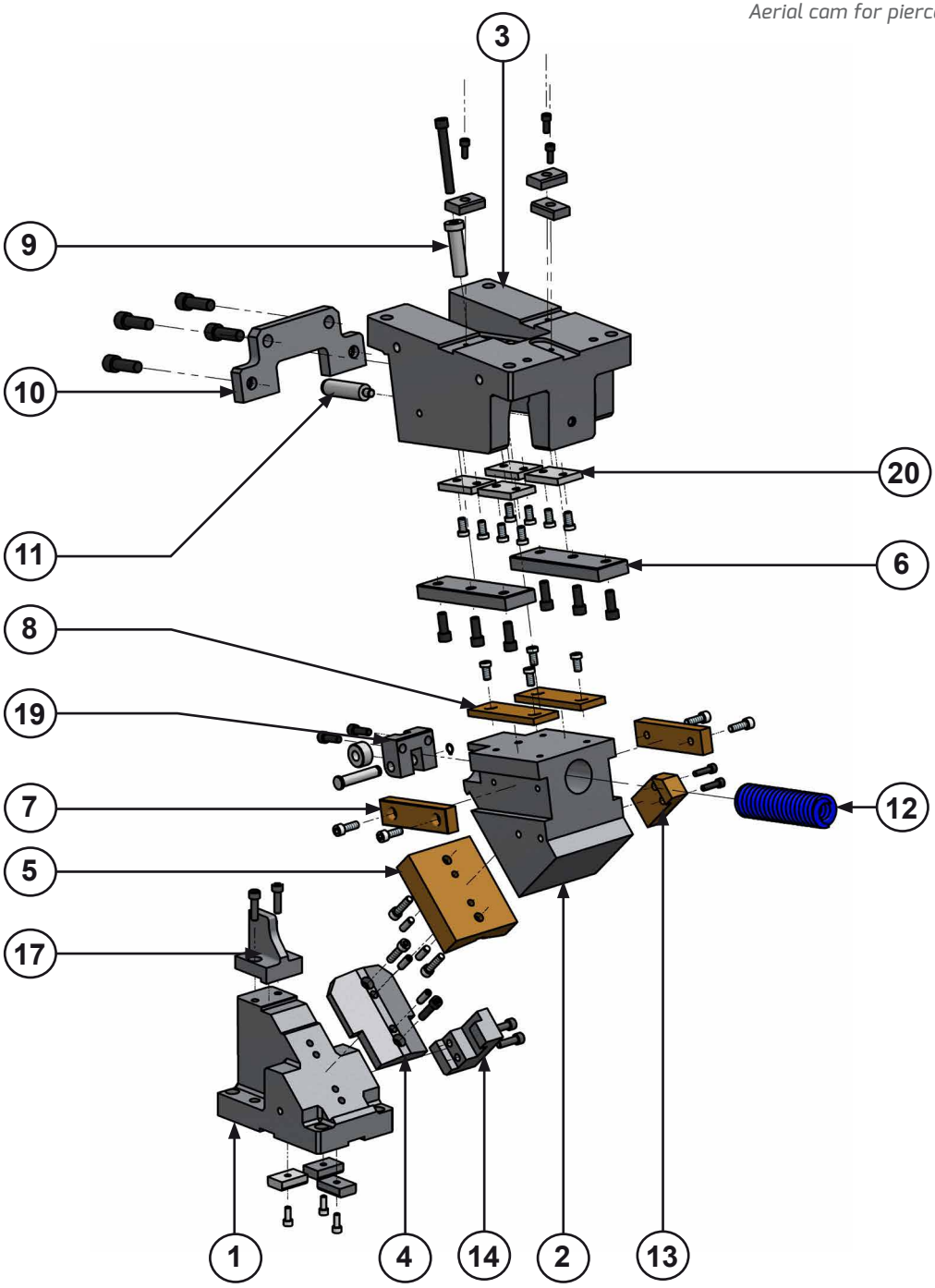
ASGN 0150

Aerial cam for pierce

AZOL GAS

ASGN 0200

Aerial cam for pierce

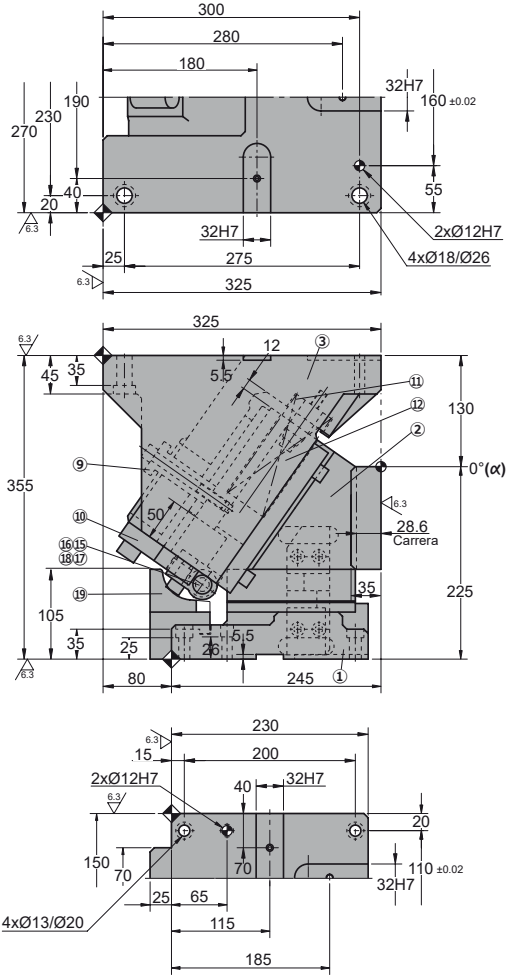


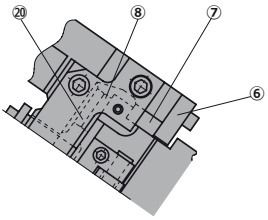
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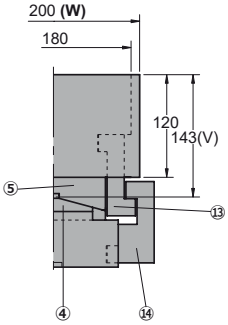
Aerial cam for pierce

AZOL GAS

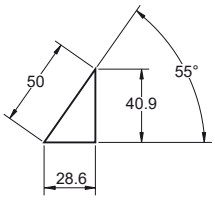
ASGN 0200 00



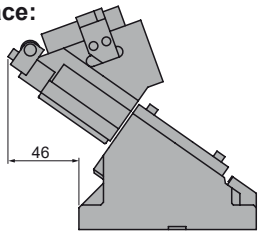




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	129.7	ASGN	0200	00

Order: Model (W) (α)

ASGN 0200 00

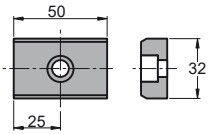
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

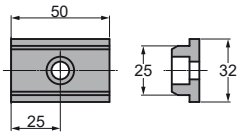
K - KU

KEY

K

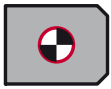


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 00-K

ASGN 0200 00-P13

ASGN 0200 00-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

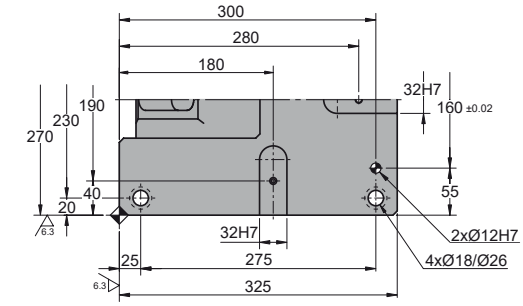
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

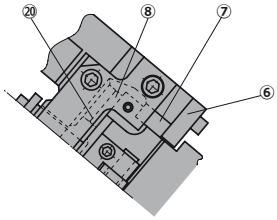
ASGN 0200

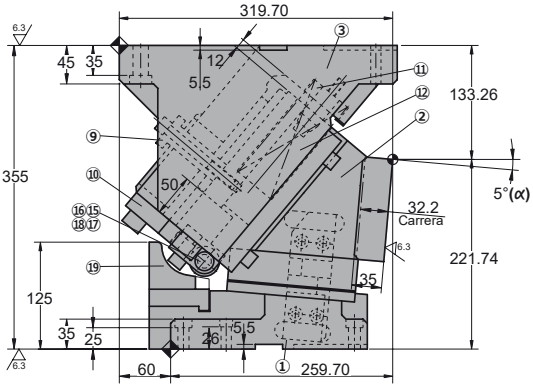
Aerial cam for pierce

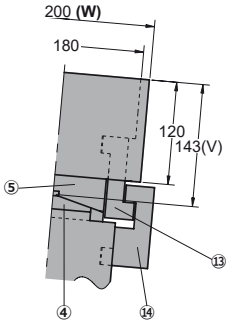
AZOL GAS

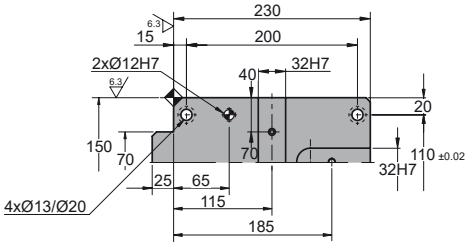
ASGN 0200 05



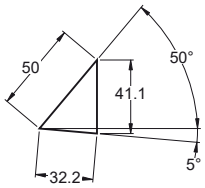




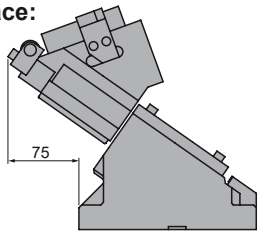




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.2	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.6	ASGN	0200	05

Order: Model (W) (α)

ASGN 0200 05

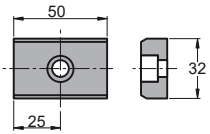
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

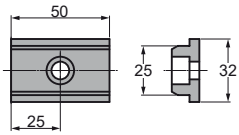
K - KU

KEY

K

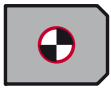


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 05-K

ASGN 0200 05-P13

ASGN 0200 05-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

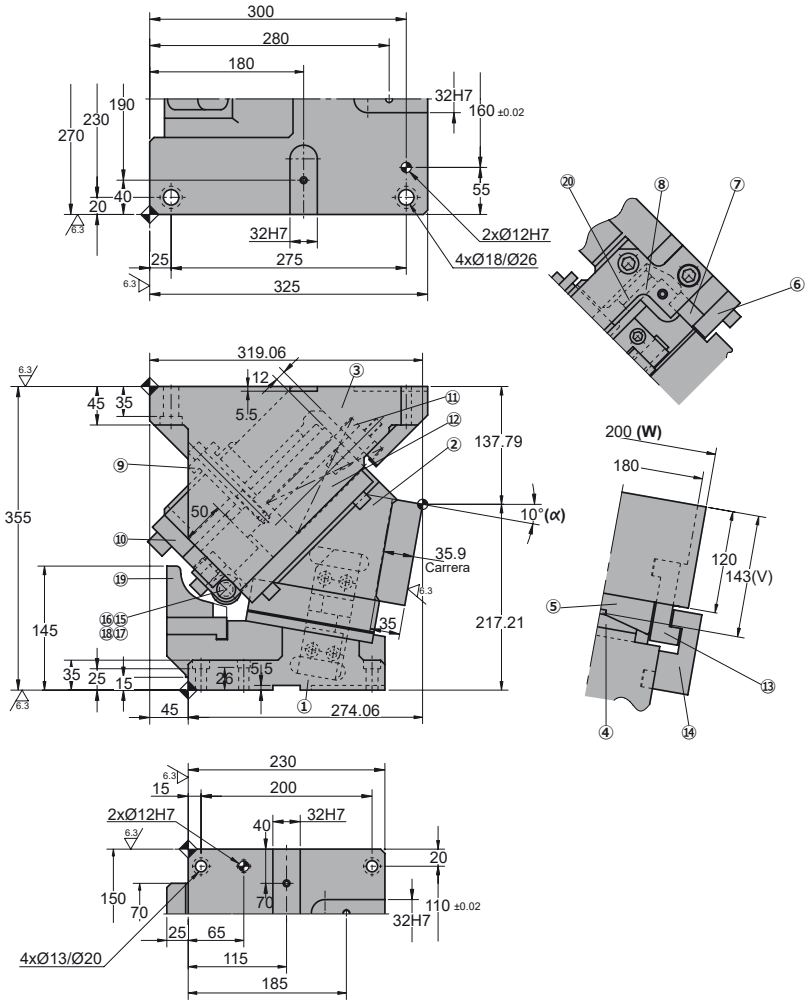
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

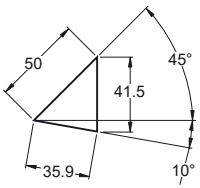
Aerial cam for pierce

AZOL GAS

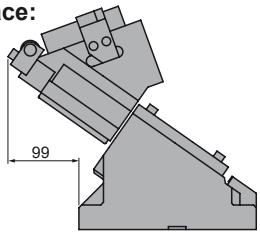
ASGN 0200 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.9	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	124.8	ASGN	0200	10

Order: Model (W) (α)

ASGN 0200 10

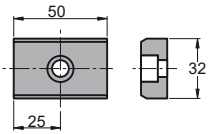
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

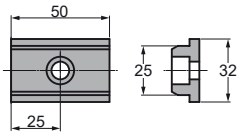
K - KU

KEY

K

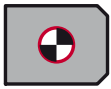


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 10-K

ASGN 0200 10-P13

ASGN 0200 10-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

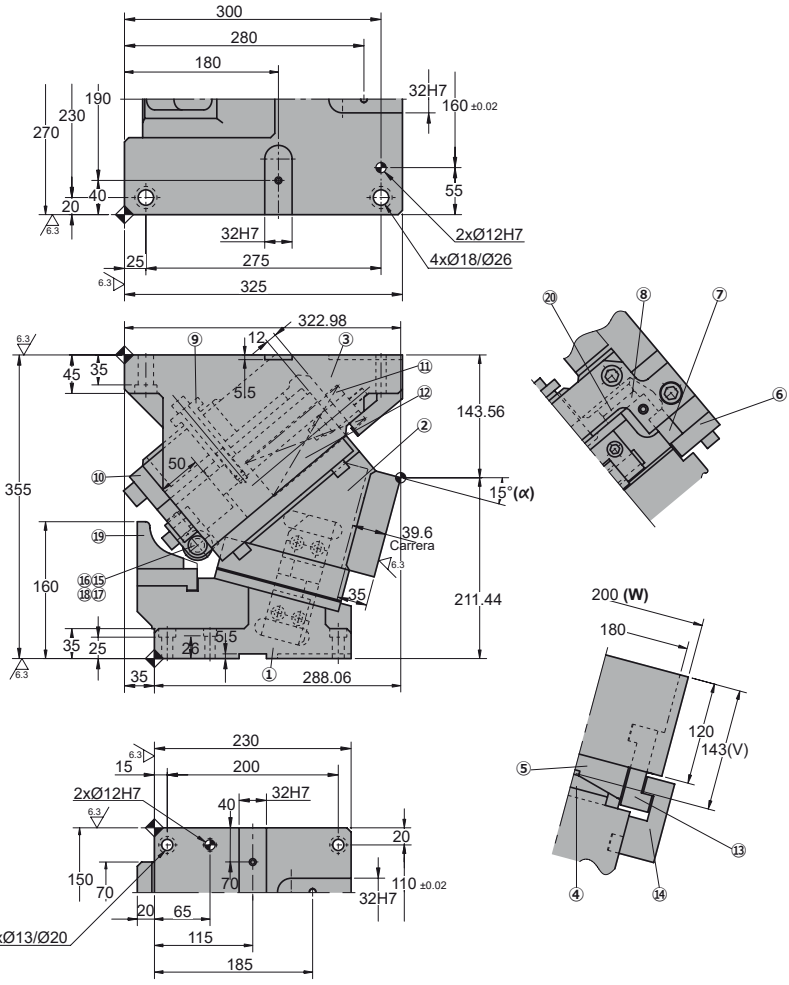
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

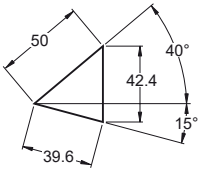
Aerial cam for pierce

AZOL GAS

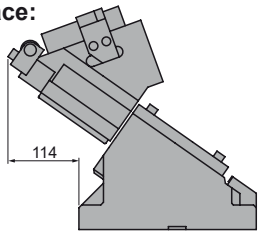
ASGN 0200 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	127.4	ASGN	0200	15

Order: Model (W) (α)

ASGN 0200 15

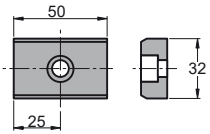
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

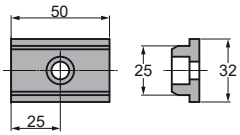
K - KU

KEY

K

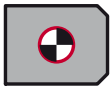


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 15-K

ASGN 0200 15-P13

ASGN 0200 15-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

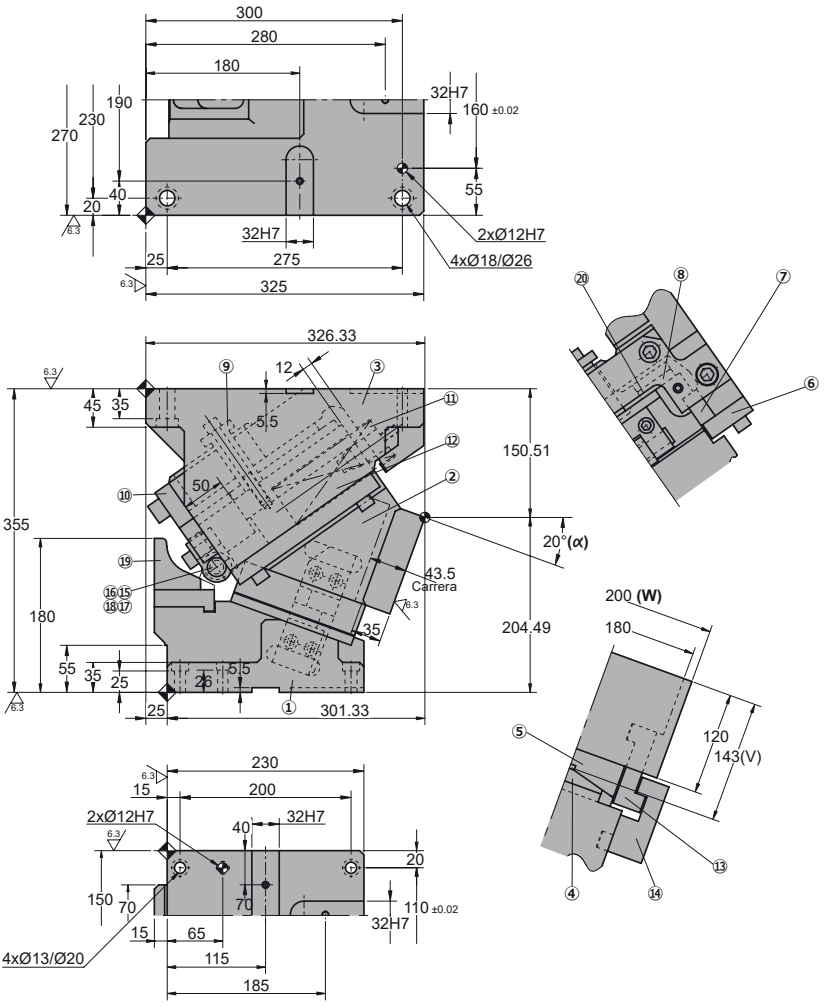
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

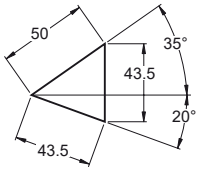
Aerial cam for pierce

AZOL GAS

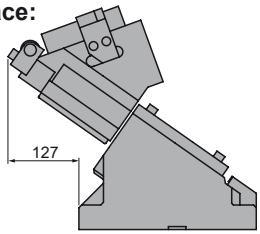
ASGN 0200 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	123.2	ASGN	0200	20

Order: Model (W) (α)

ASGN 0200 20

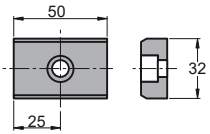
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

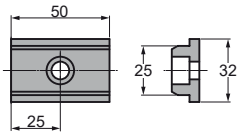
K - KU

KEY

K

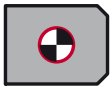


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 20-K

ASGN 0200 20-P13

ASGN 0200 20-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

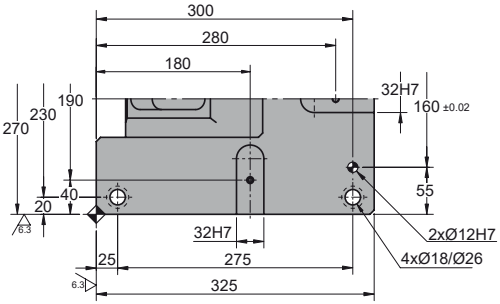
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

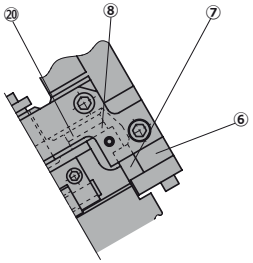
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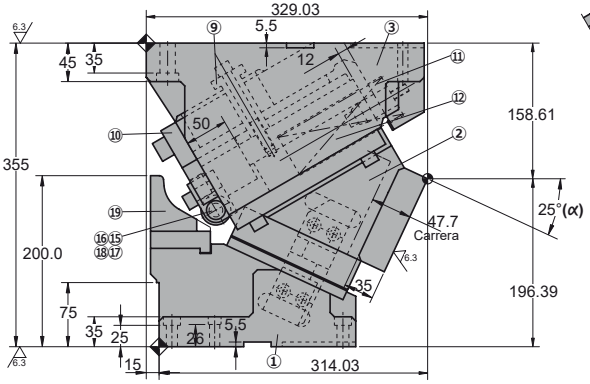
Aerial cam for pierce

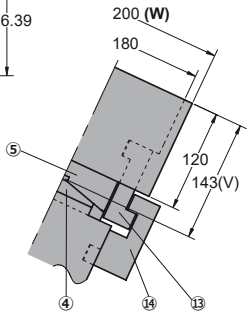
AZOL GAS

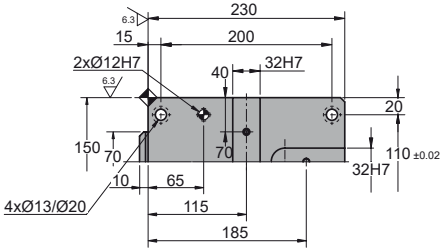
ASGN 0200 25



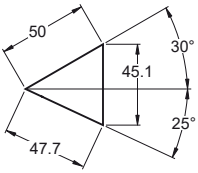




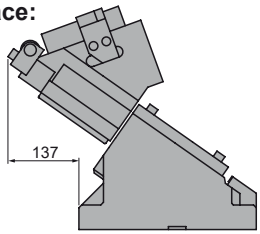




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.7	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	123.0	ASGN	0200	25

Order: Model (W) (α)

ASGN 0200 25

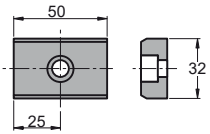
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

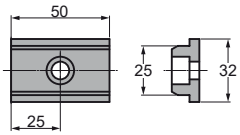
K - KU

KEY

K

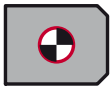


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 25-K

ASGN 0200 25-P13

ASGN 0200 25-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

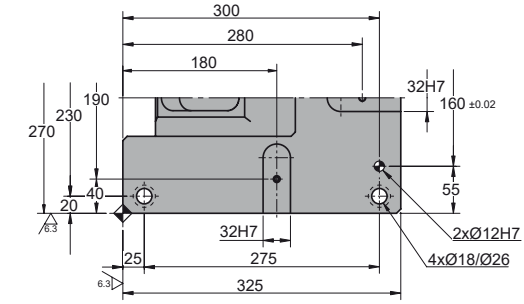
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

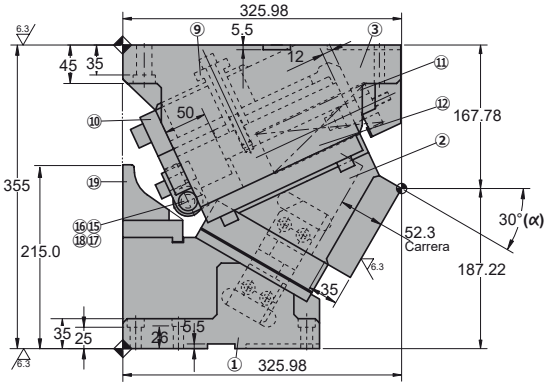
ASGN 0200

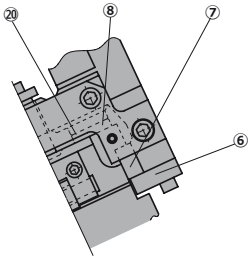
Aerial cam for pierce

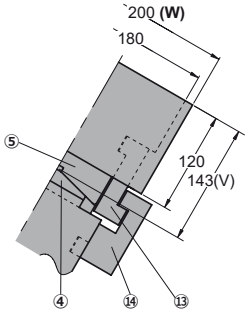
AZOL GAS

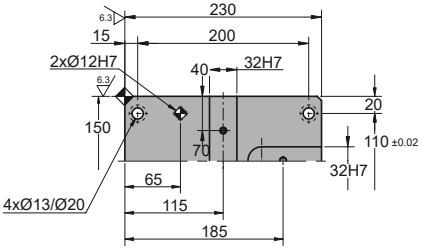
ASGN 0200 30



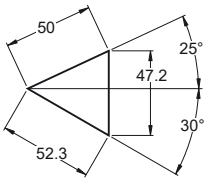




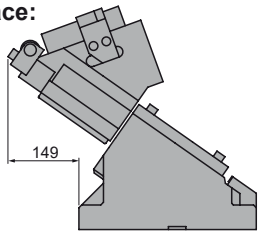




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	121.7	ASGN	0200	30

Order: Model (W) (α)

ASGN 0200 30

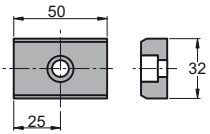
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

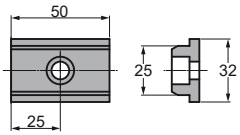
K - KU

KEY

K

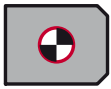


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 30-K

ASGN 0200 30-P13

ASGN 0200 30-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

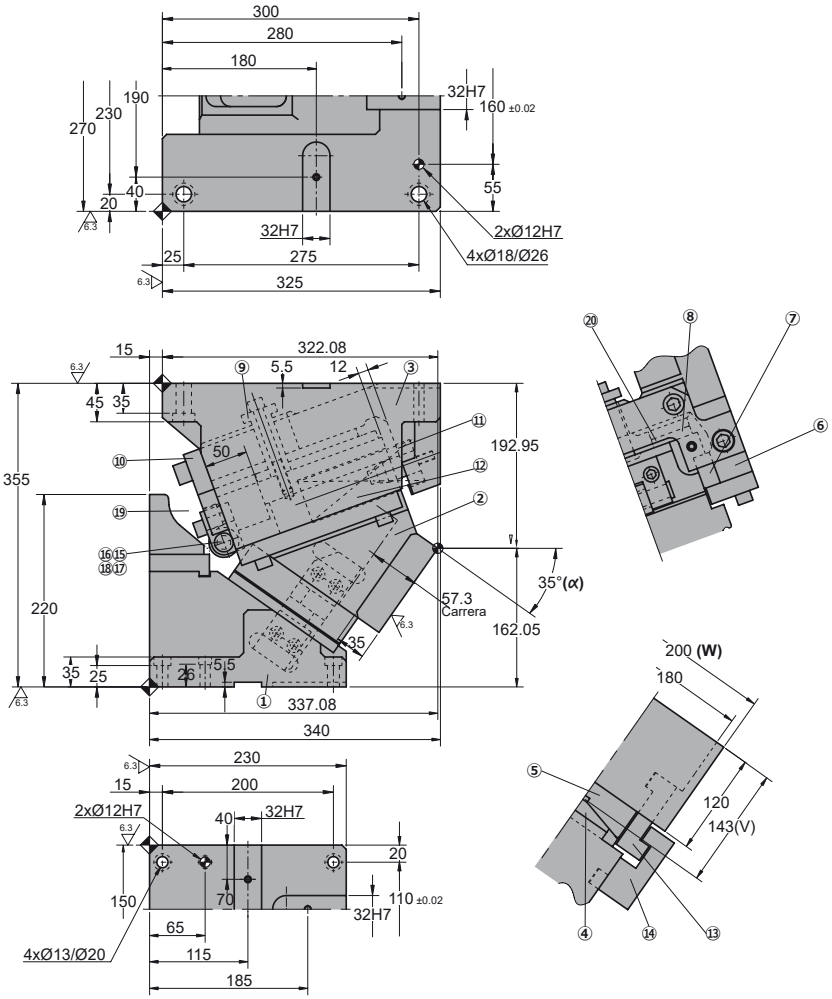
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

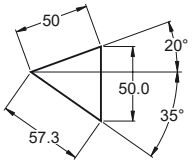
Aerial cam for pierce

AZOL GAS

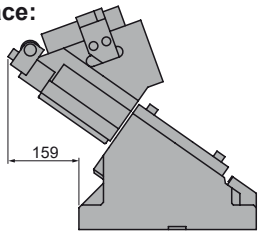
ASGN 0200 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.3	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	125.3	ASGN	0200	35

Order: Model (W) (α)

ASGN 0200 35

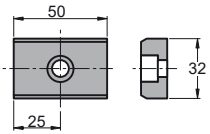
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

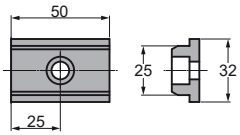
K - KU

KEY

K

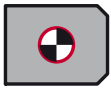


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 35-K

ASGN 0200 35-P13

ASGN 0200 35-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

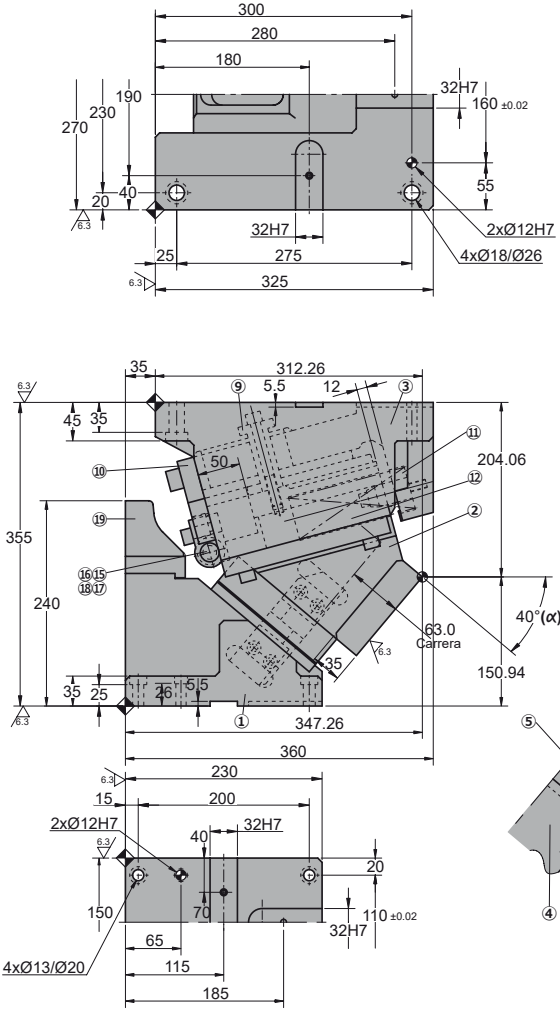
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

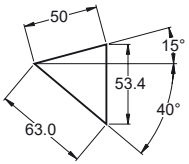
Aerial cam for pierce

AZOL GAS

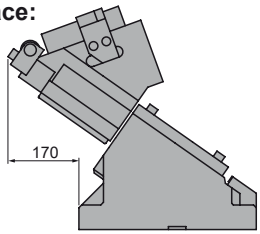
ASGN 0200 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
63.0	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	126.8	ASGN	0200	40

Order: Model (W) (α)

ASGN 0200 40

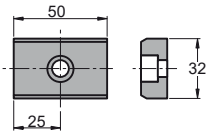
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

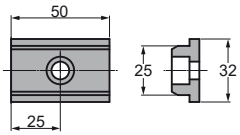
K - KU

KEY

K

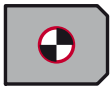


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 40-K

ASGN 0200 40-P13

ASGN 0200 40-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

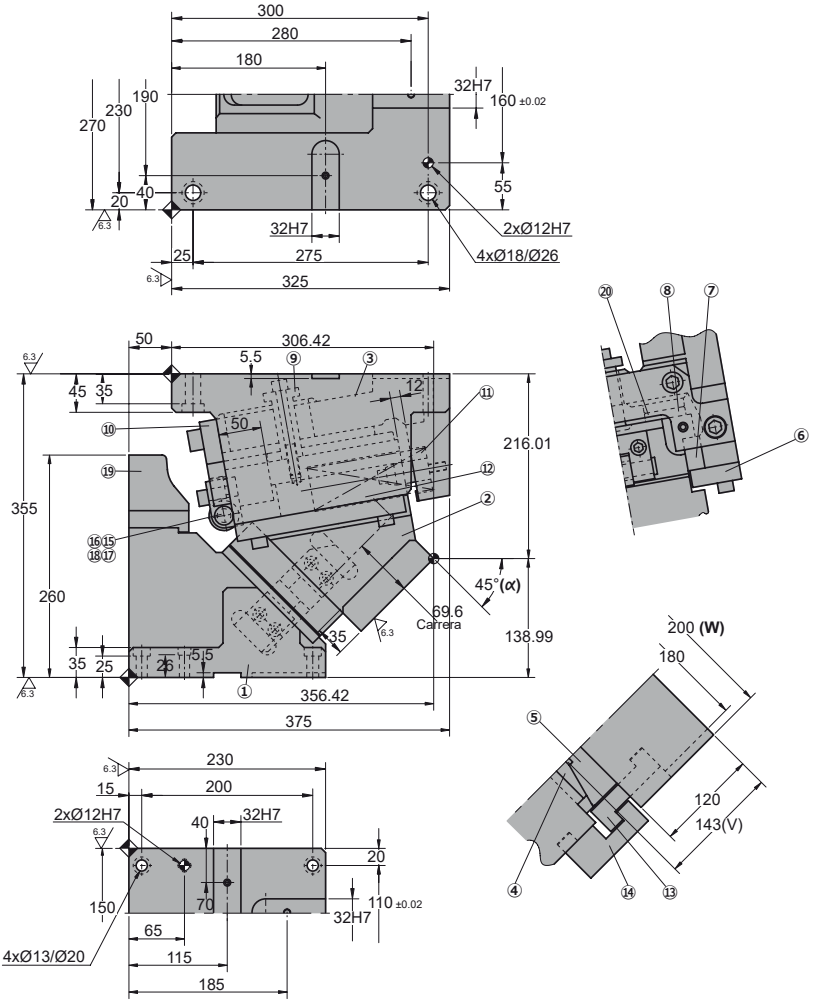
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

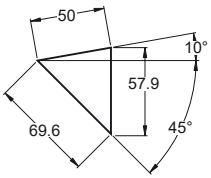
Aerial cam for pierce

AZOL GAS

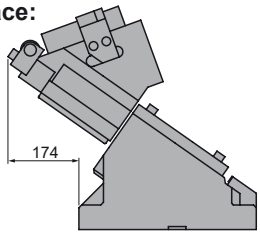
ASGN 0200 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
69.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	127.9	ASGN	0200	45

Order: Model (W) (α)

ASGN 0200 45

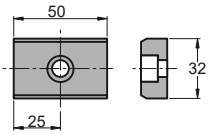
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

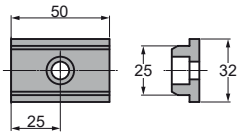
K - KU

KEY

K

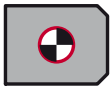


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 45-K

ASGN 0200 45-P13

ASGN 0200 45-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

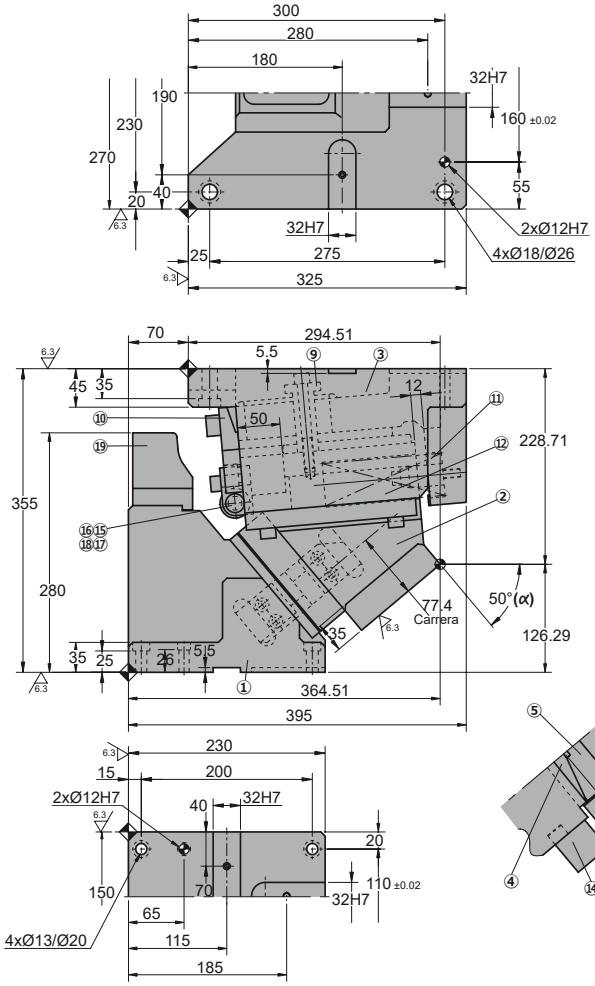
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

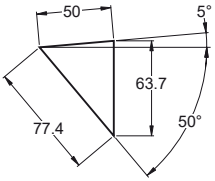
Aerial cam for pierce

AZOL GAS

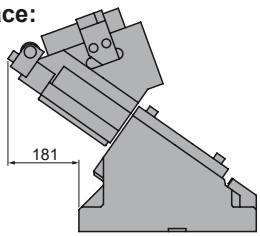
ASGN 0200 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.4	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	129.8	ASGN	0200	50

Order: Model (W) (α)

ASGN 0200 50

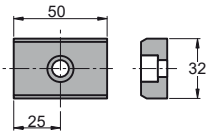
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

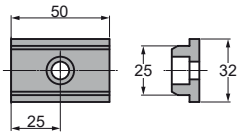
K - KU

KEY

K

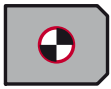


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 50-K

ASGN 0200 50-P13

ASGN 0200 50-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

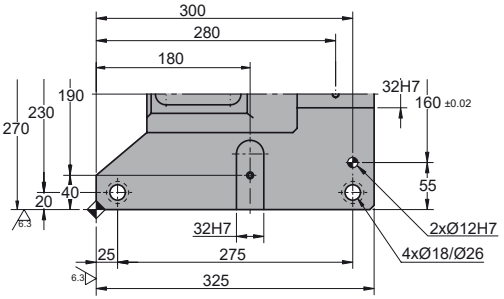
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

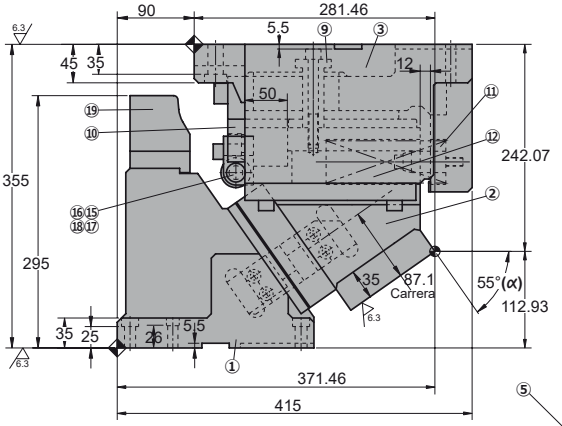
ASGN 0200

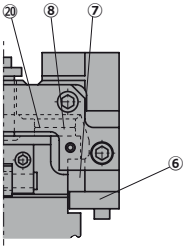
Aerial cam for pierce

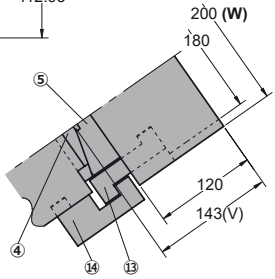
AZOL GAS

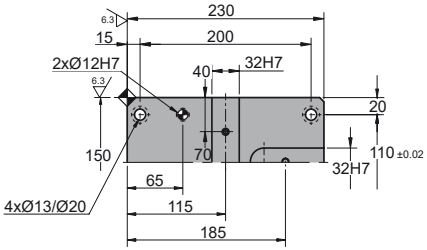
ASGN 0200 55



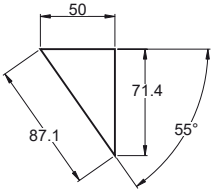




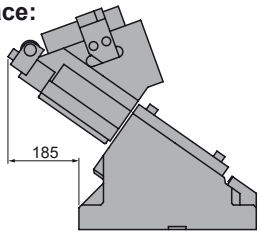




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.1	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	132.6	ASGN	0200	55

Order: Model (W) (α)

ASGN 0200 55

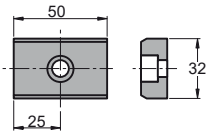
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

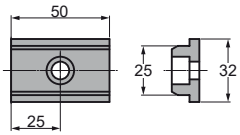
K - KU

KEY

K

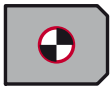


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 55-K

ASGN 0200 55-P13

ASGN 0200 55-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

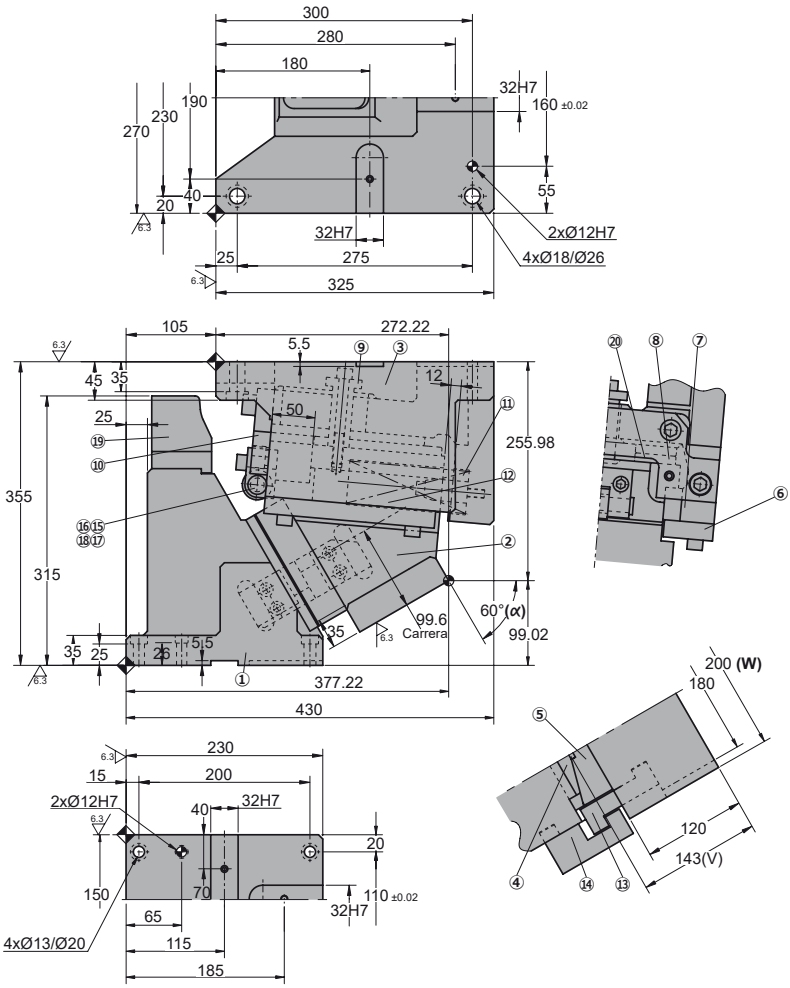
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

ASGN 0200

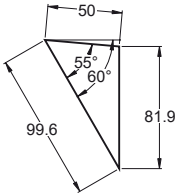
Aerial cam for pierce

AZOL GAS

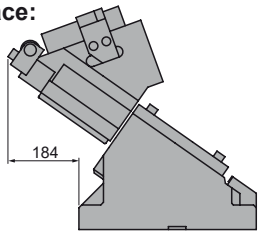
ASGN 0200 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
99.6	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	135.1	ASGN	0200	60

Order: Model (W) (α)

ASGN 0200 60

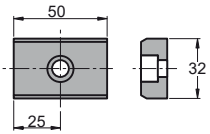
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

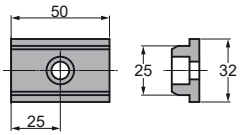
K - KU

KEY

K

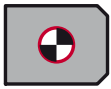


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 60-K

ASGN 0200 60-P13

ASGN 0200 60-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

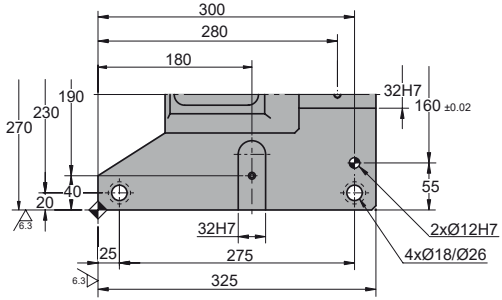
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

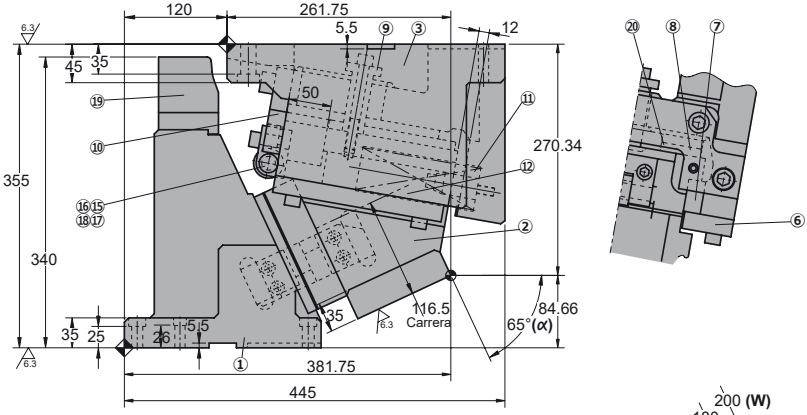
ASGN 0200

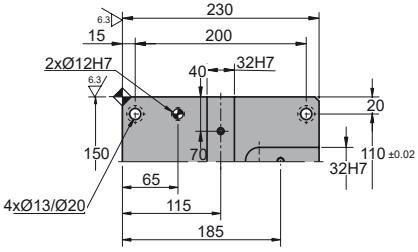
Aerial cam for pierce

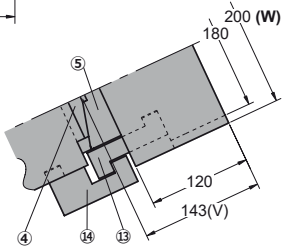
AZOL GAS

ASGN 0200 65

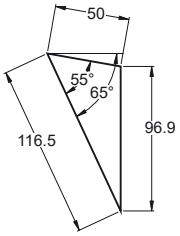




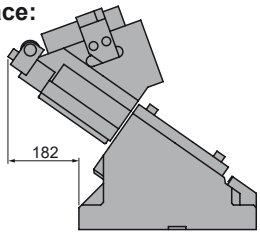




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0200

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
116.5	147.0 (15.0)	294.0 (30.0)	862.4 (87.9)	7022.4 (715.9)	138.9	ASGN	0200	65

Order: Model (W) (α)

ASGN 0200 65

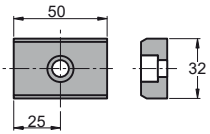
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

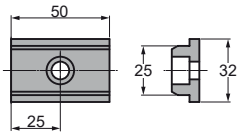
K - KU

KEY

K

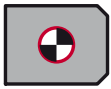


KU



6 x M8x15

P PINS



P13 - Ø13 H7.

Order Options: Model (W) (α)-Option

ASGN 0200 65-K

ASGN 0200 65-P13

ASGN 0200 65-P13-K

SPARE PARTS:

⑤ Slider guide 2
⑦ Slider Guide Plate
⑧ Slider Plate 1
⑫ Coil Spring
⑬ Internal Positive Return

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide 1	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Slider Guide Plate	2	Bronze + G
⑧	Slider Plate 1	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide Plate	1	CK45
⑫	Coil Spring	1	TJH50-203
⑬	Internal Positive Return	1	Bronze + G
⑭	External Positive Return	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Slider Plate 2	4	CK45

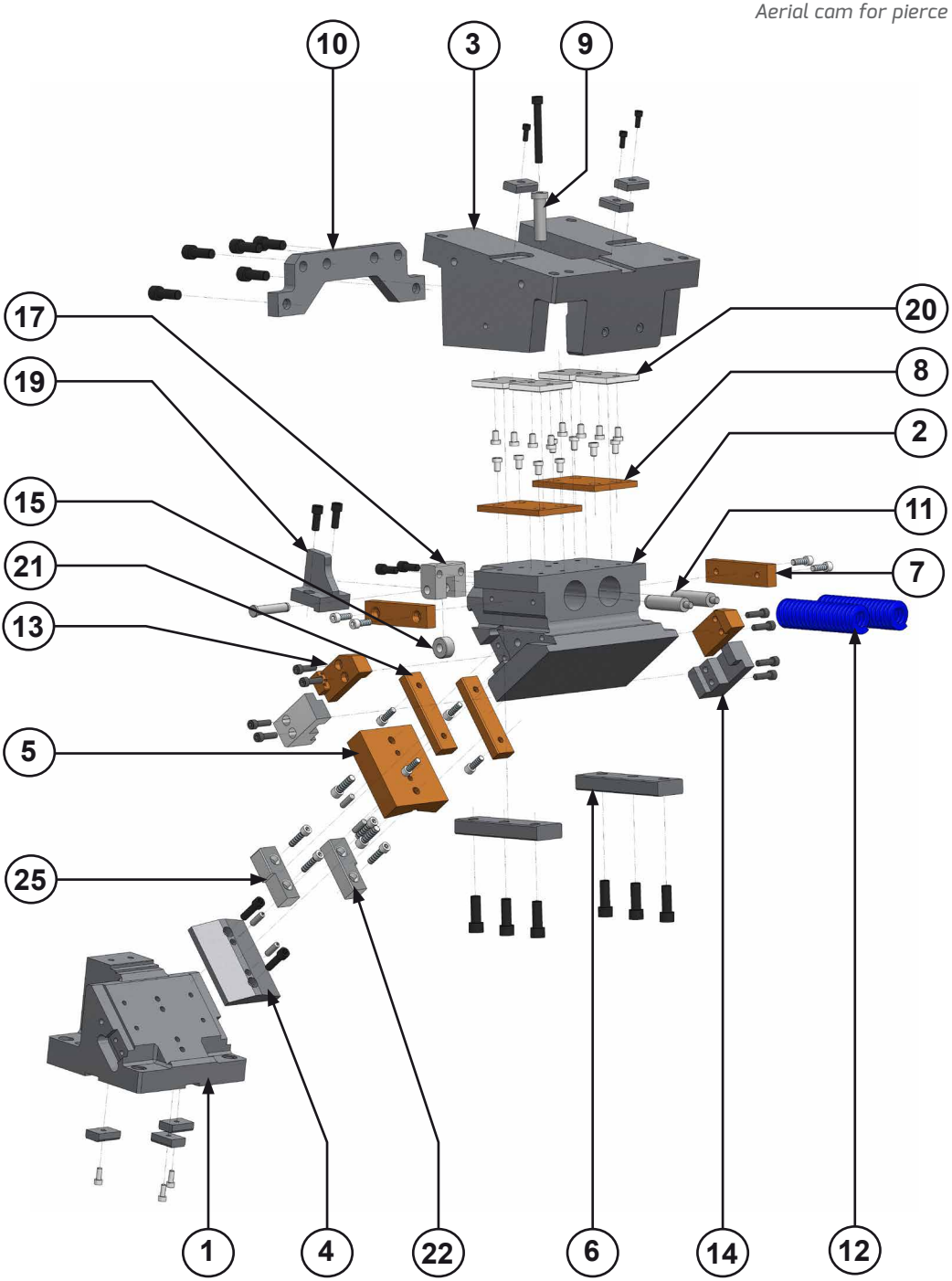
ASGN 0200

Aerial cam for pierce

AZOL GAS

ASGN 0300

Aerial cam for pierce

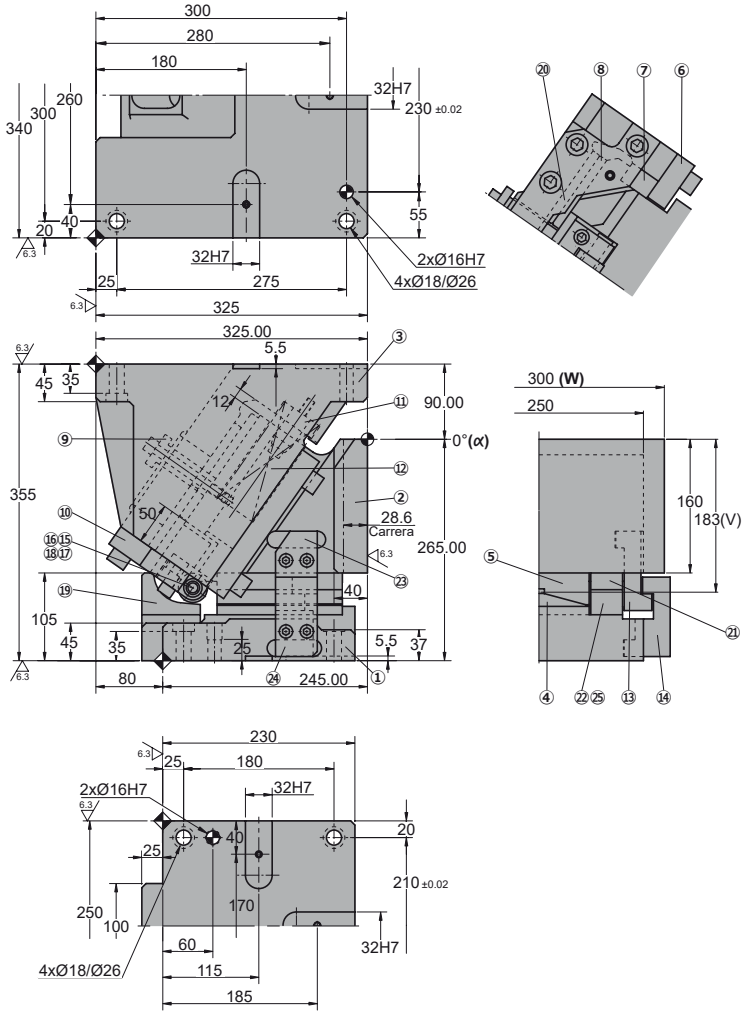


ASGN 0300

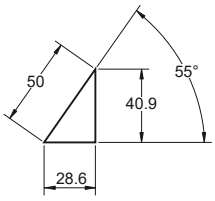
Aerial cam for pierce

AZOL GAS

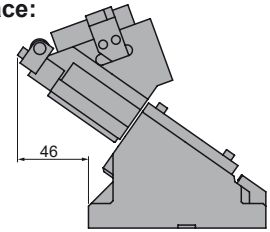
ASGN 0300 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
28.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	184.5	ASGN	0300	00

Order: Model (W) (α)

ASGN 0300 00

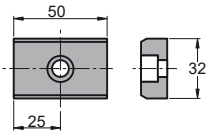
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

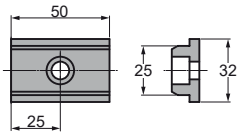
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 00-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

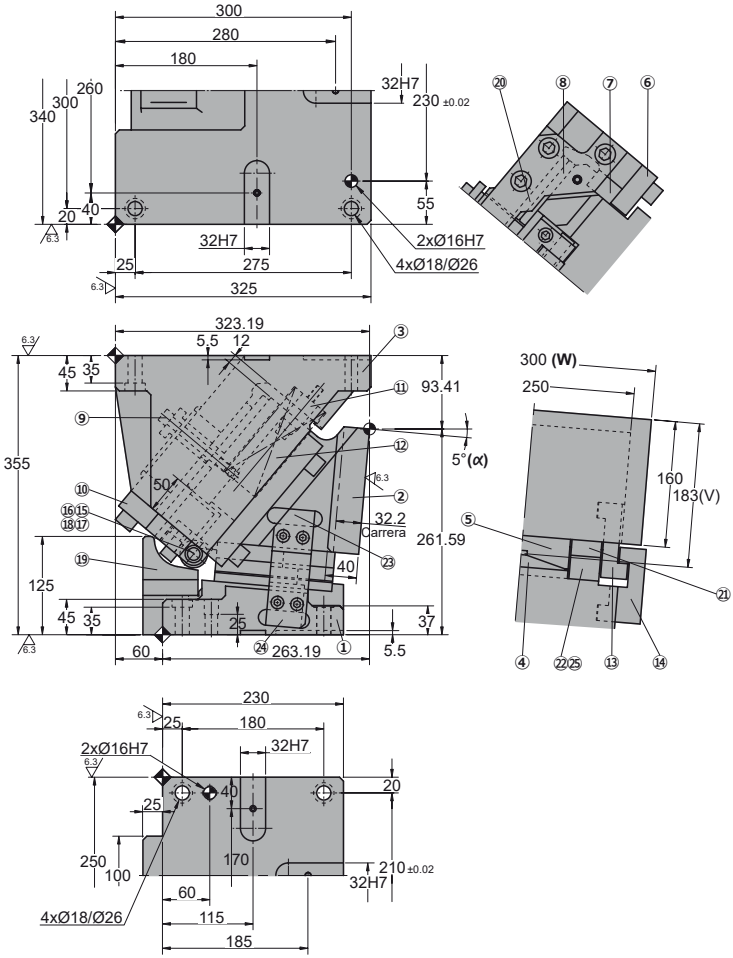
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

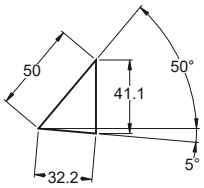
Aerial cam for pierce

AZOL GAS

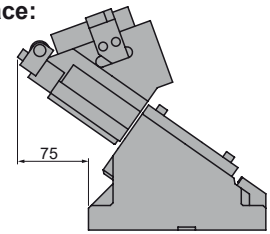
ASGN 0300 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.2	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	181.0	ASGN	0300	05

Order: Model (W) (α)

ASGN 0300 05

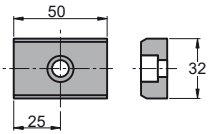
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

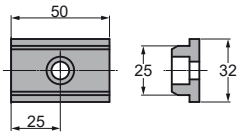
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 05-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

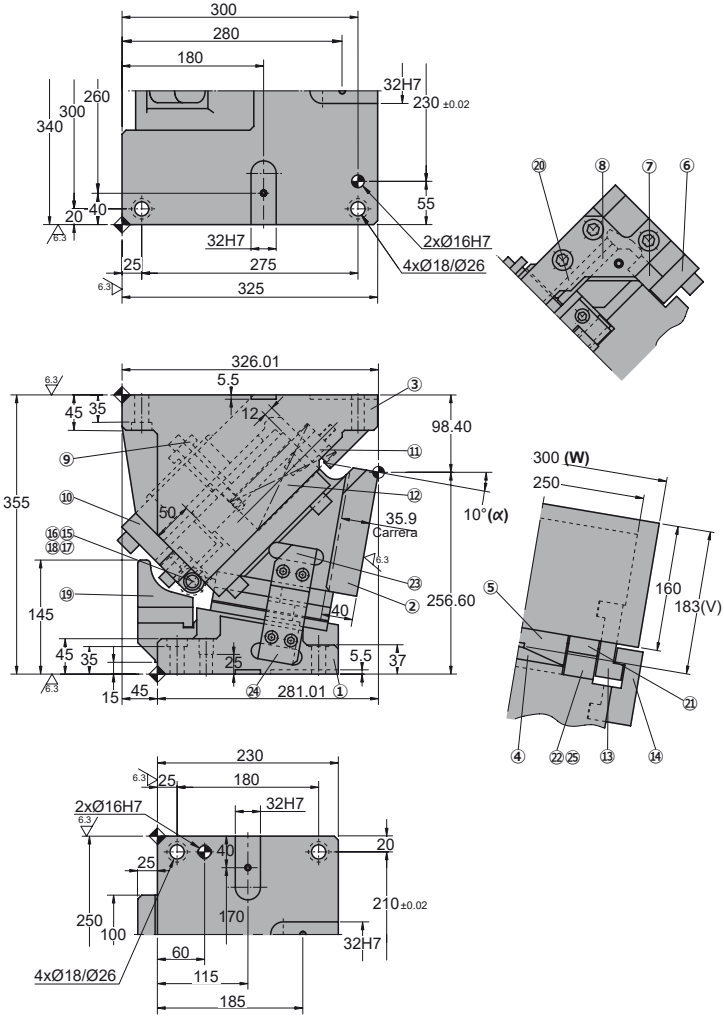
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

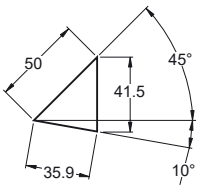
Aerial cam for pierce

AZOL GAS

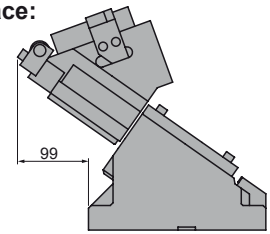
ASGN 0300 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.9	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	178.7	ASGN	0300	10

Order: Model (W) (α)

ASGN 0300 10

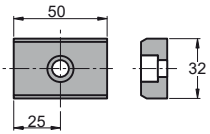
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

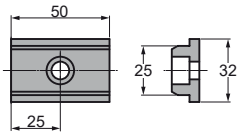
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 10-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

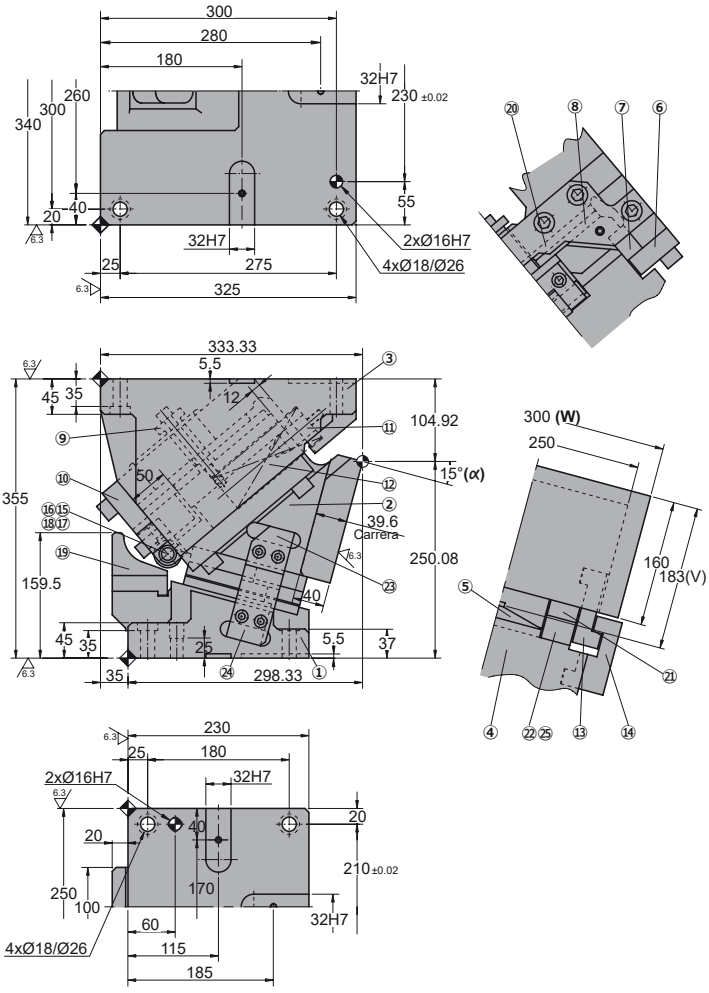
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

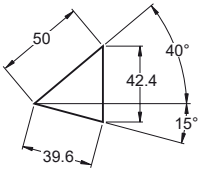
Aerial cam for pierce

AZOL GAS

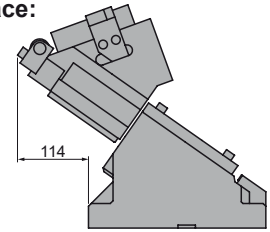
ASGN 0300 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
39.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	177.3	ASGN	0300	15

Order: Model (W) (α)

ASGN 0300 15

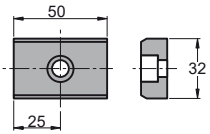
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

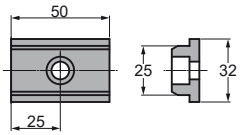
K - KU

KEY

K



KU



6 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0300 15-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

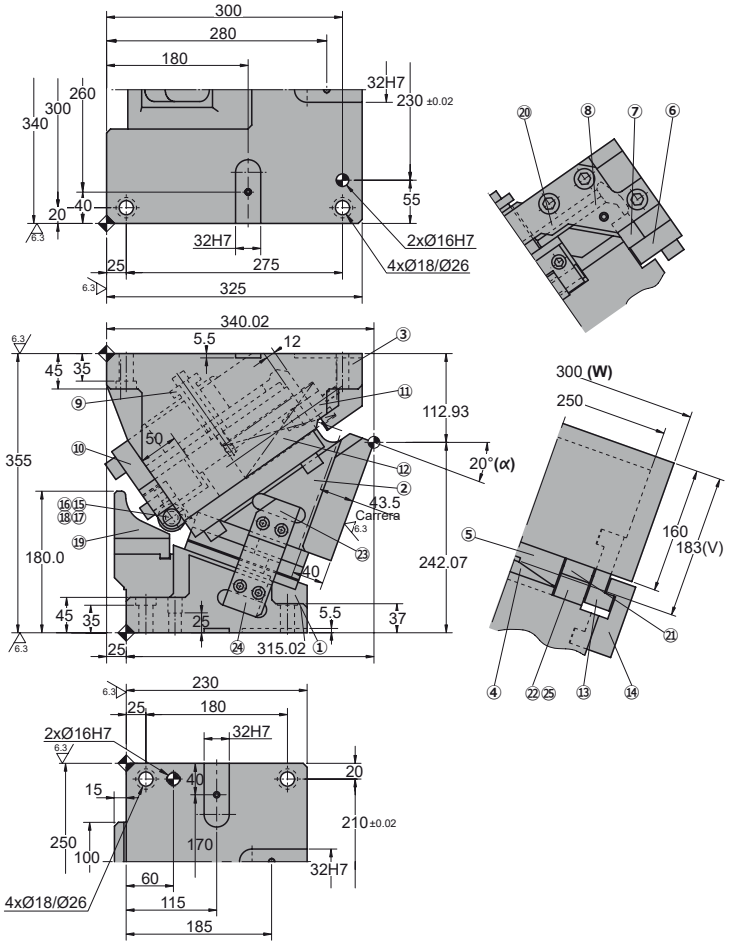
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

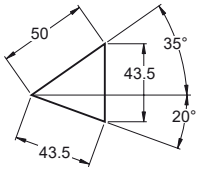
Aerial cam for pierce

AZOL GAS

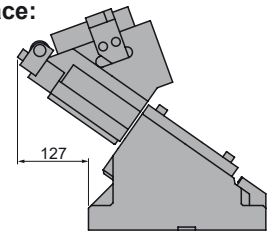
ASGN 0300 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.5	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	176.0	ASGN	0300	20

Order: Model (W) (α)

ASGN 0300 20

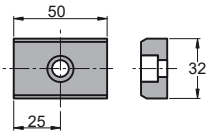
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

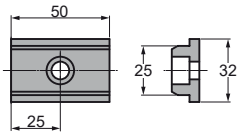
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 20-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

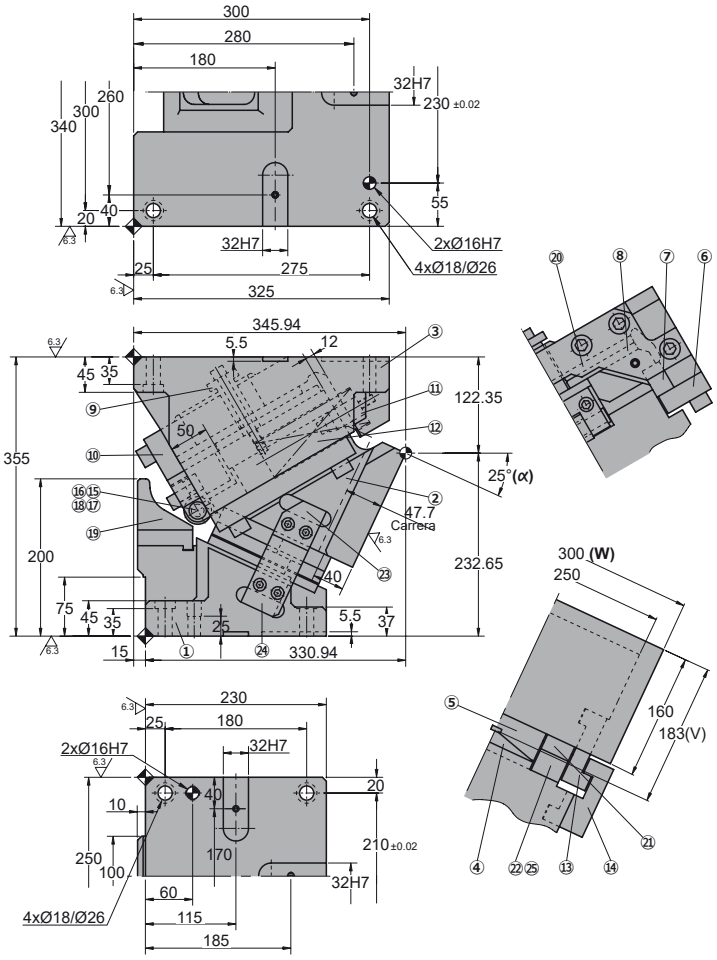
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

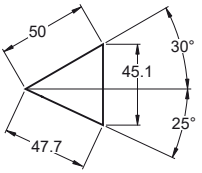
Aerial cam for pierce

AZOL GAS

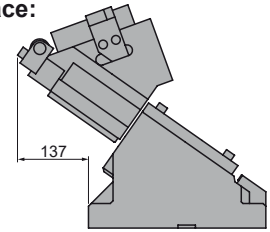
ASGN 0300 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.7	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	174.9	ASGN	0300	25

Order: Model (W) (α)

ASGN 0300 25

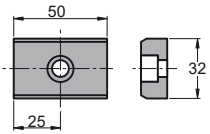
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

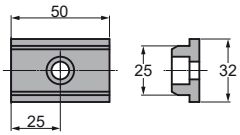
K - KU

KEY

K



KU



6 x M8x15

Order Options: Model (W) (α)-Option

ASGN 0300 25-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

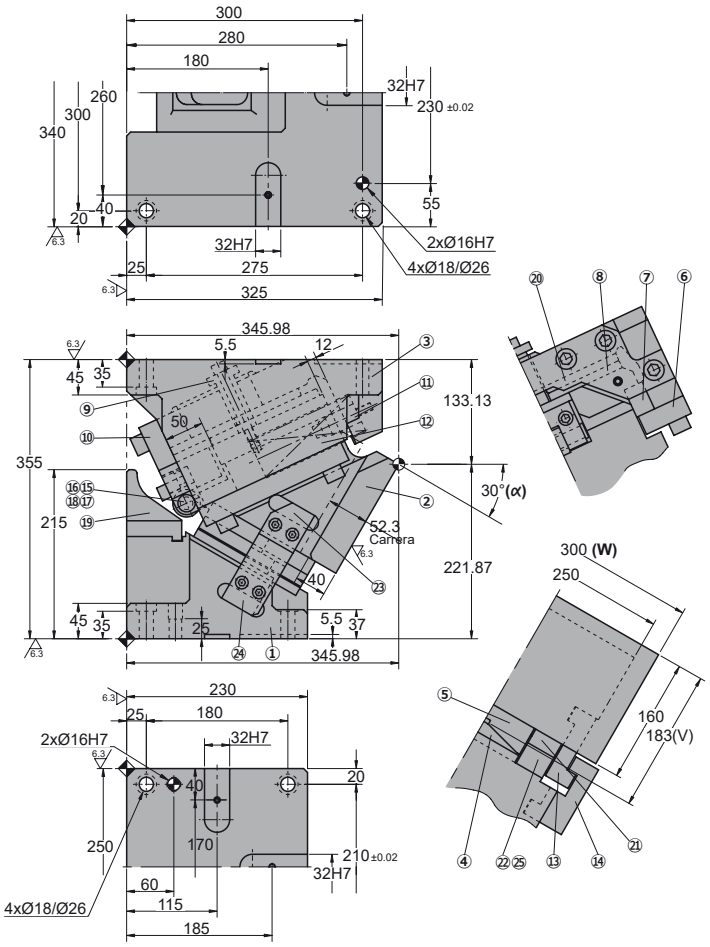
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

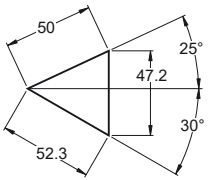
Aerial cam for pierce

AZOL GAS

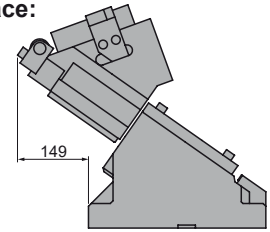
ASGN 0300 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	173.8	ASGN	0300	30

Order: Model (W) (α)

ASGN 0300 30

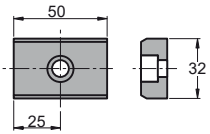
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

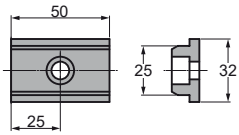
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 30-K

SPARE PARTS:

⑤ Slide Guide 2
⑦ Guide Plate
⑧ Lower Plate A
⑫ Coil Spring
⑬ Internal Positive Return 1
⑮ Bearing
㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

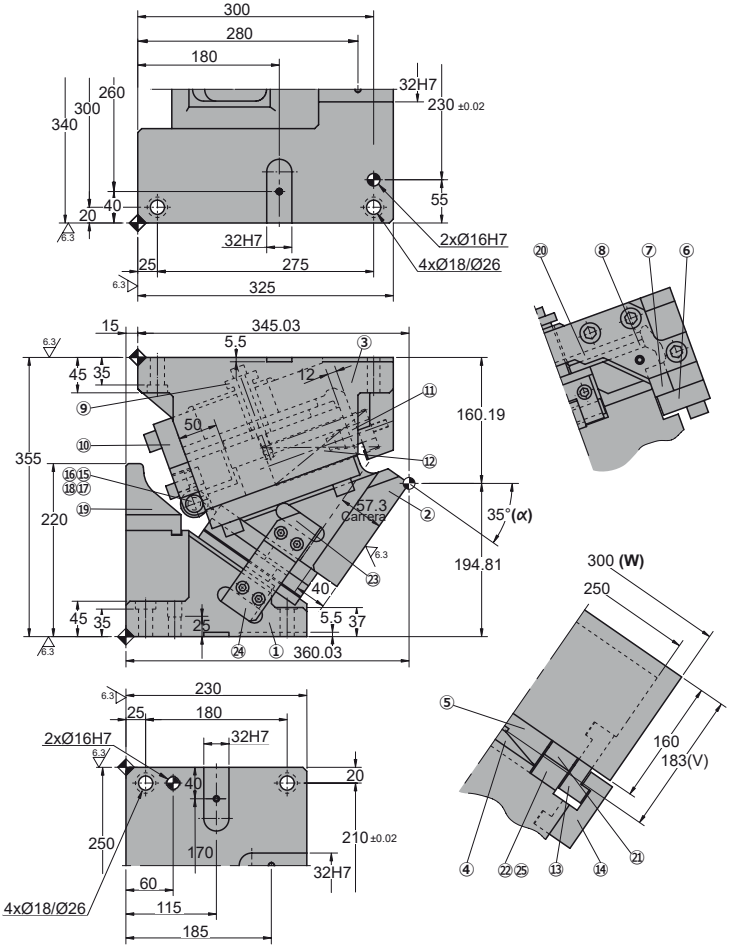
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

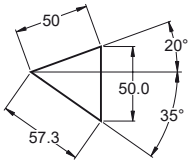
Aerial cam for pierce

AZOL GAS

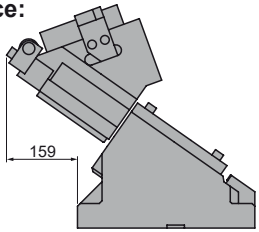
ASGN 0300 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
57.3	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	178.7	ASGN	0300	35

Order: Model (W) (α)

ASGN 0300 35

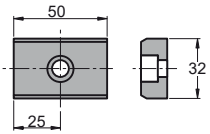
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

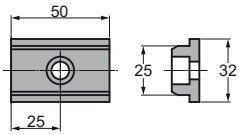
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 35-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

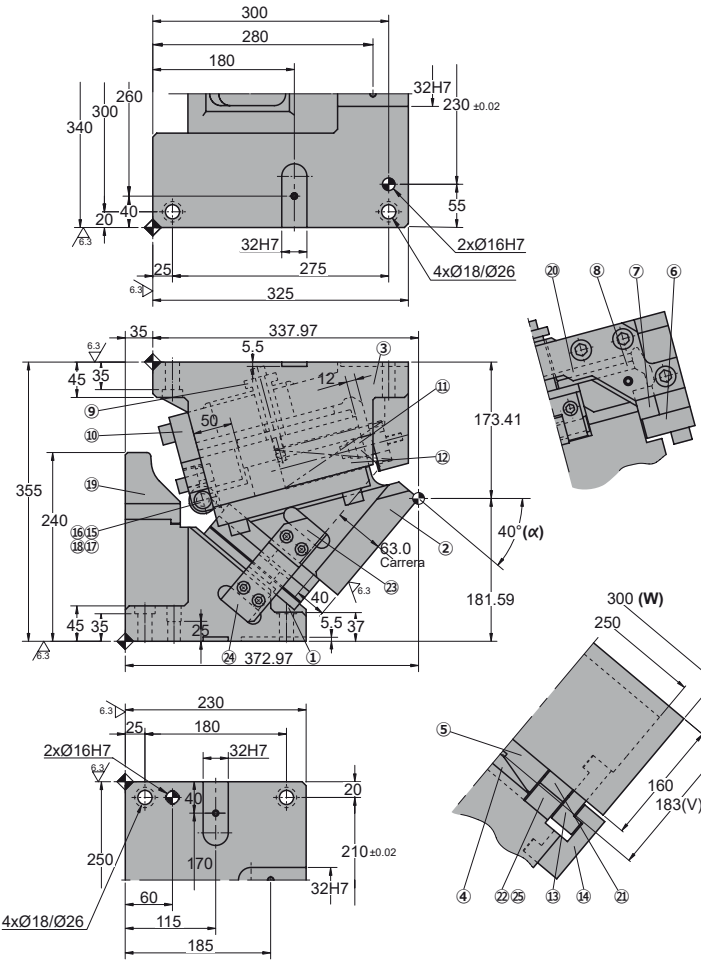
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

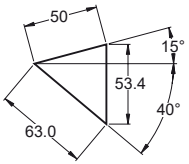
Aerial cam for pierce

AZOL GAS

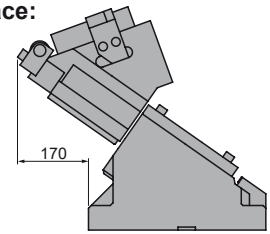
ASGN 0300 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
63.0	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	181.6	ASGN	0300	40

Order: Model (W) (α)

ASGN 0300 40

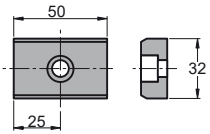
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

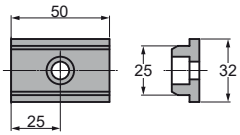
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 40-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

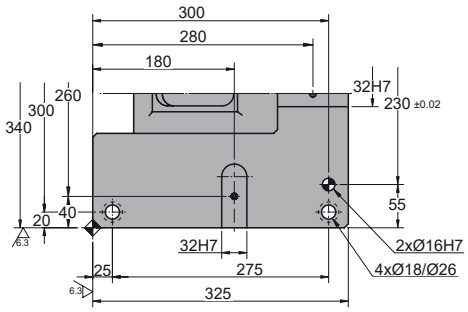
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

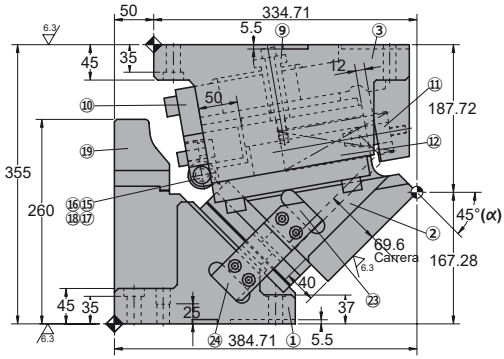
ASGN 0300

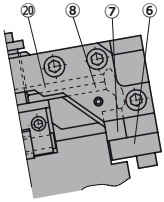
Aerial cam for pierce

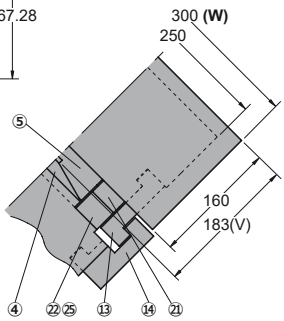
AZOL GAS

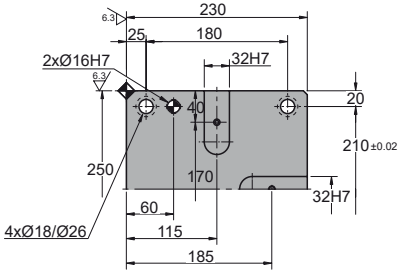
ASGN 0300 45



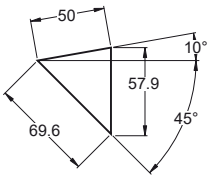




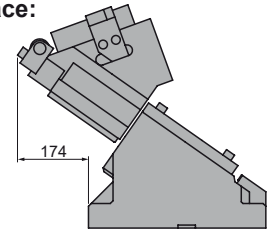




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
69.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	184.5	ASGN	0300	45

Order: Model (W) (α)

ASGN 0300 45

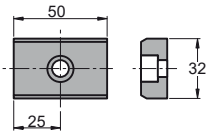
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

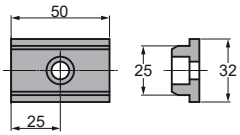
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 45-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

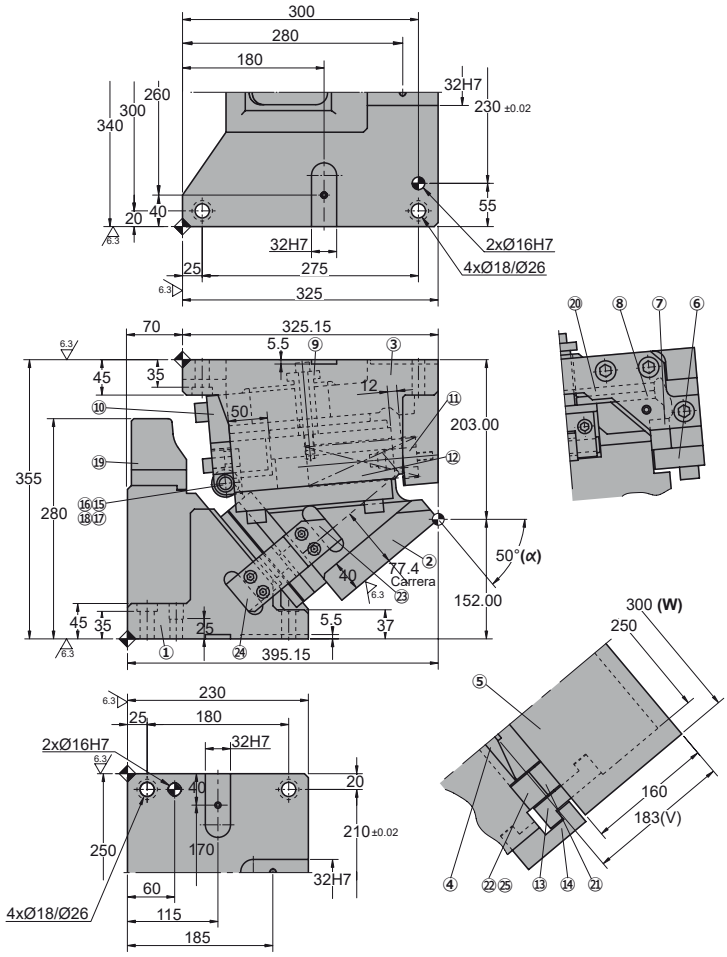
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

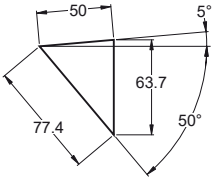
Aerial cam for pierce

AZOL GAS

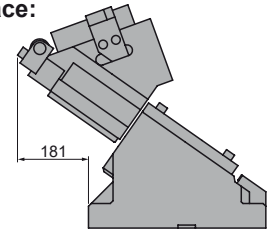
ASGN 0300 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.4	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	188.1	ASGN	0300	50

Order: Model (W) (α)

ASGN 0300 50

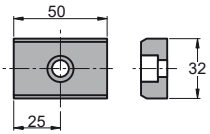
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

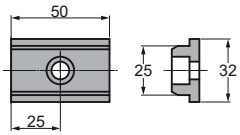
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 50-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

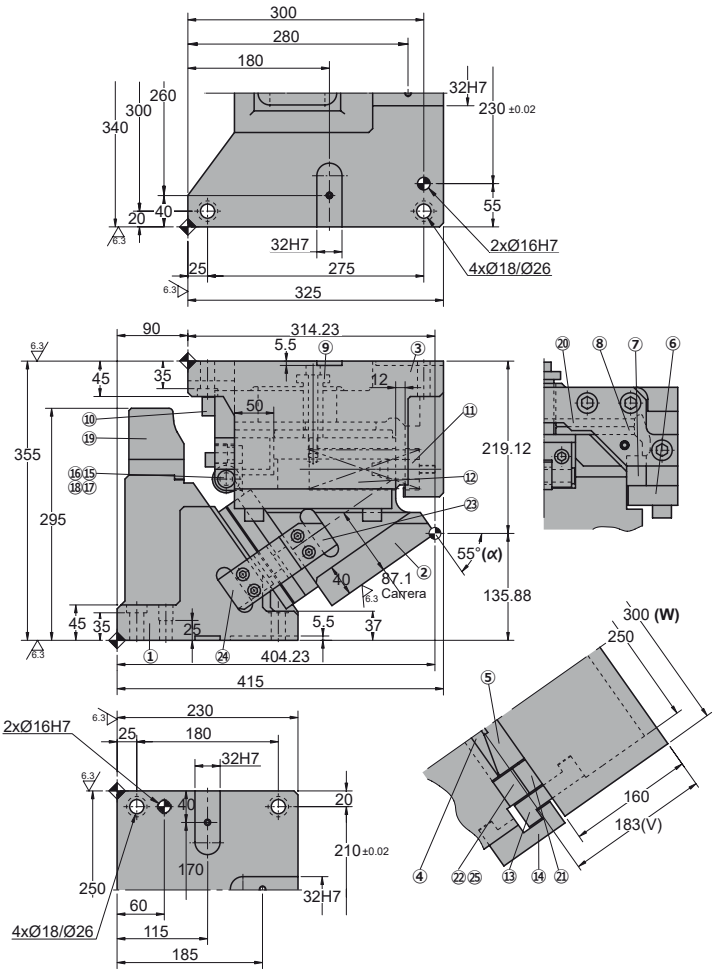
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

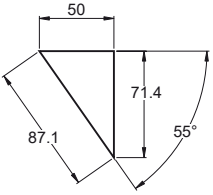
Aerial cam for pierce

AZOL GAS

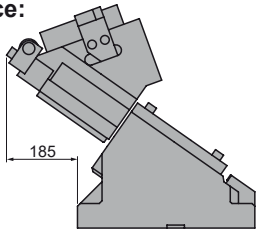
ASGN 0300 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.1	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	193.4	ASGN	0300	55

Order: Model (W) (α)

ASGN 0300 55

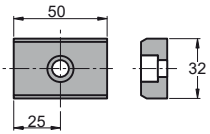
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

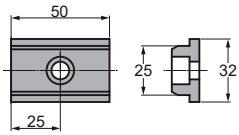
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 55-K

SPARE PARTS:

- ⑤ Slide Guide 2
- ⑦ Guide Plate
- ⑧ Lower Plate A
- ⑫ Coil Spring
- ⑬ Internal Positive Return 1
- ⑮ Bearing
- ㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

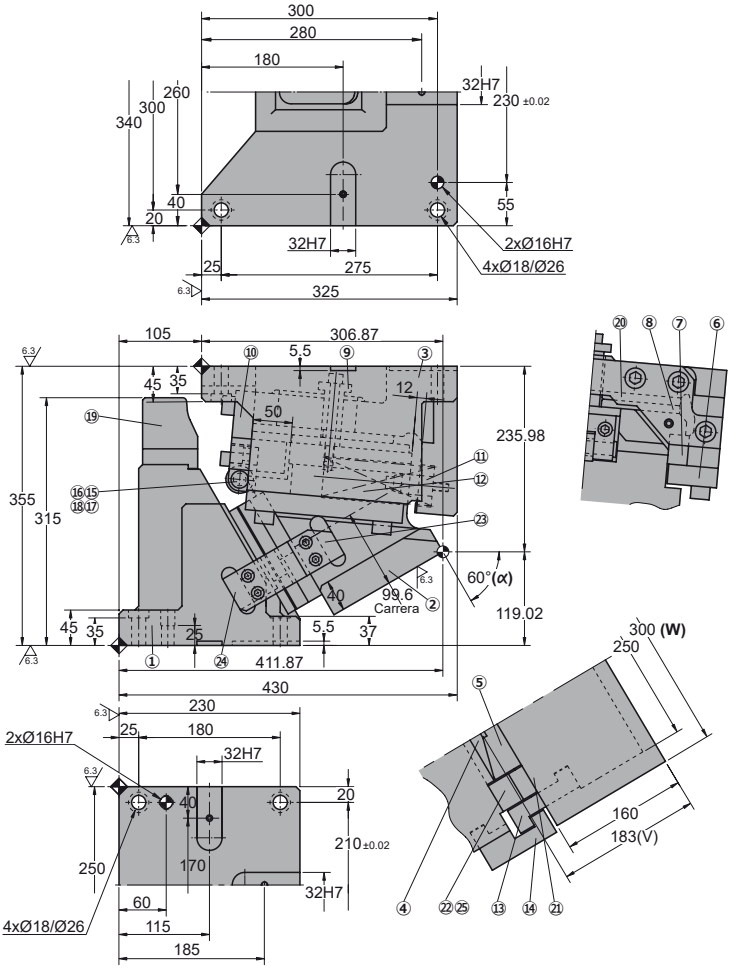
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

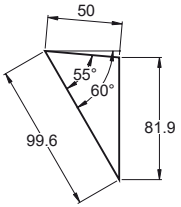
Aerial cam for pierce

AZOL GAS

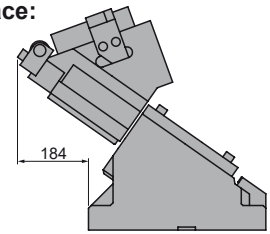
ASGN 0300 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
99.6	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	197.6	ASGN	0300	60

Order: Model (W) (α)

ASGN 0300 60

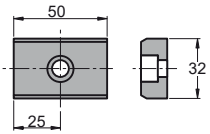
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

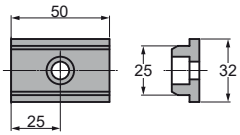
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 60-K

SPARE PARTS:

⑤ Slide Guide 2
⑦ Guide Plate
⑧ Lower Plate A
⑫ Coil Spring
⑬ Internal Positive Return 1
⑮ Bearing
㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

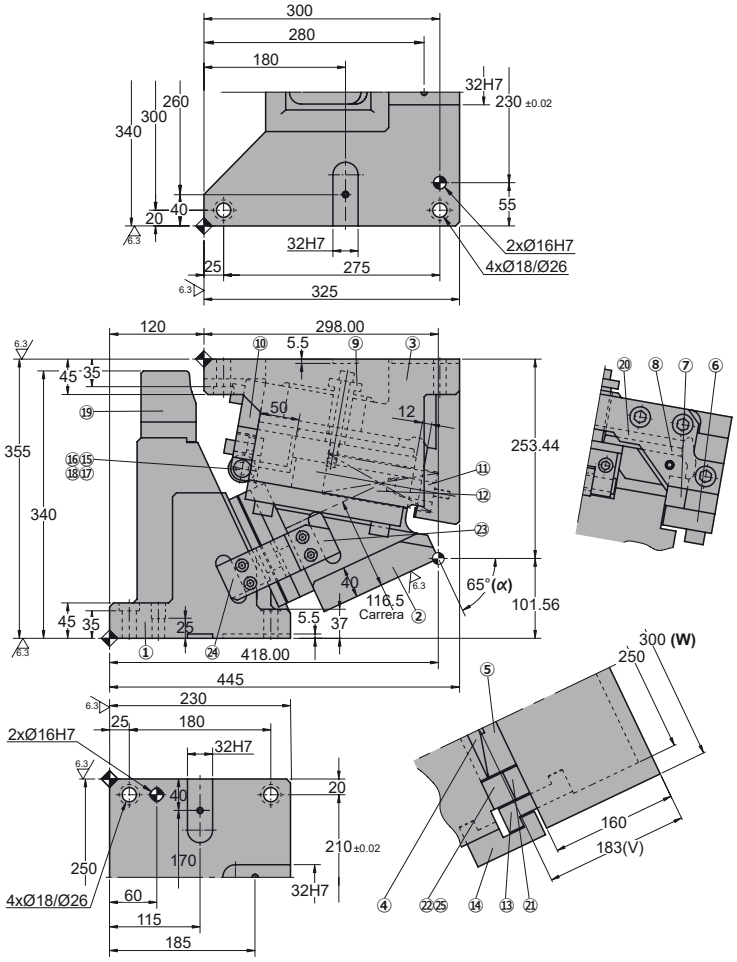
No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

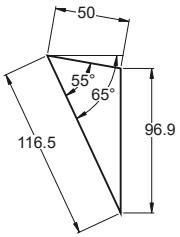
Aerial cam for pierce

AZOL GAS

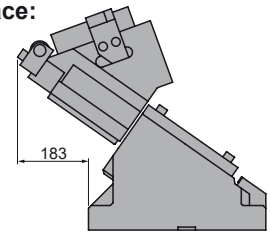
ASGN 0300 65



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASGN 0300

Aerial cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
116.5	294.0 (30.0)	588.0 (60.0)	1724.8 (175.8)	14044.8 (1431.8)	202.9	ASGN	0300	65

Order: Model (W) (α)

ASGN 0300 65

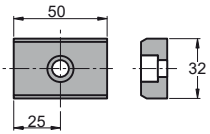
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

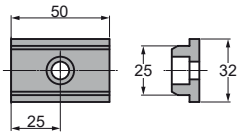
KEY

K



6 x M8x15

KU



Order Options: Model (W) (α)-Option

ASGN 0300 65-K

SPARE PARTS:

⑤ Slide Guide 2
⑦ Guide Plate
⑧ Lower Plate A
⑫ Coil Spring
⑬ Internal Positive Return 1
⑮ Bearing
㉒ Cam Slider Plate 1

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Slide Guide	1	CK45
⑤	Slide Guide 2	1	Bronze + G
⑥	Upper Plate	2	CK45
⑦	Guide Plate	2	Bronze + G
⑧	Lower Plate A	2	Bronze + G
⑨	Security Guide pin	1	CK45
⑩	Stopper Plate	1	CK45
⑪	Spring Guide	2	CK45
⑫	Coil Spring	2	TJH50-203
⑬	Internal Positive Return 1	1	Bronze + G
⑭	External Positive Return 1	1	CK45
⑮	Bearing	1	NUTR15

No.	Description	Qty.	Material
⑯	Shaft	1	CK45
⑰	Roller Body	1	CK45
⑱	Bushing	1	Bronze + G
⑲	Bearing Guide	1	CK45
⑳	Lower Plate B	4	CK45
㉑	Slider Plate 1	2	Bronze + G
㉒	Cam Slider Plate 1	1	CK45
㉓	Internal Positive Return 2	1	CK45
㉔	External Positive Return 2	1	CK45
㉕	Cam Slider Plate 2	1	CK45

ASGN 0300

AZOL GAS

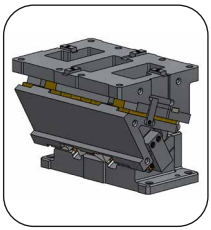
Aerial cam for pierce

AZOL GAS

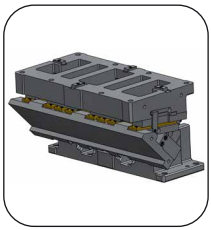
ASLT

Aerial cam for pierce and flange

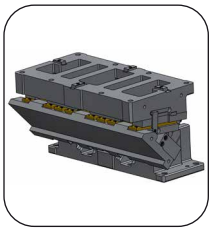
General information



ASLT 0500
ASLT 0600



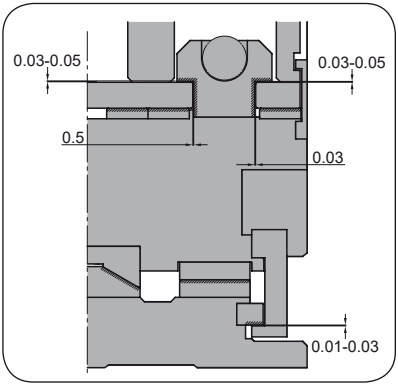
ASLT 0700
ASLT 0800



ASLT 0900
ASLT 1000

- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Slider easy desassembly from the rear.
- Gas spring equiped unit.

Adjustment clearances



ASLT 0500
ASLT 0600
ASLT 0700
ASLT 0800
ASLT 0900
ASLT 1000

ASLT

Aerial cam for pierce and flange

AZOL GAS

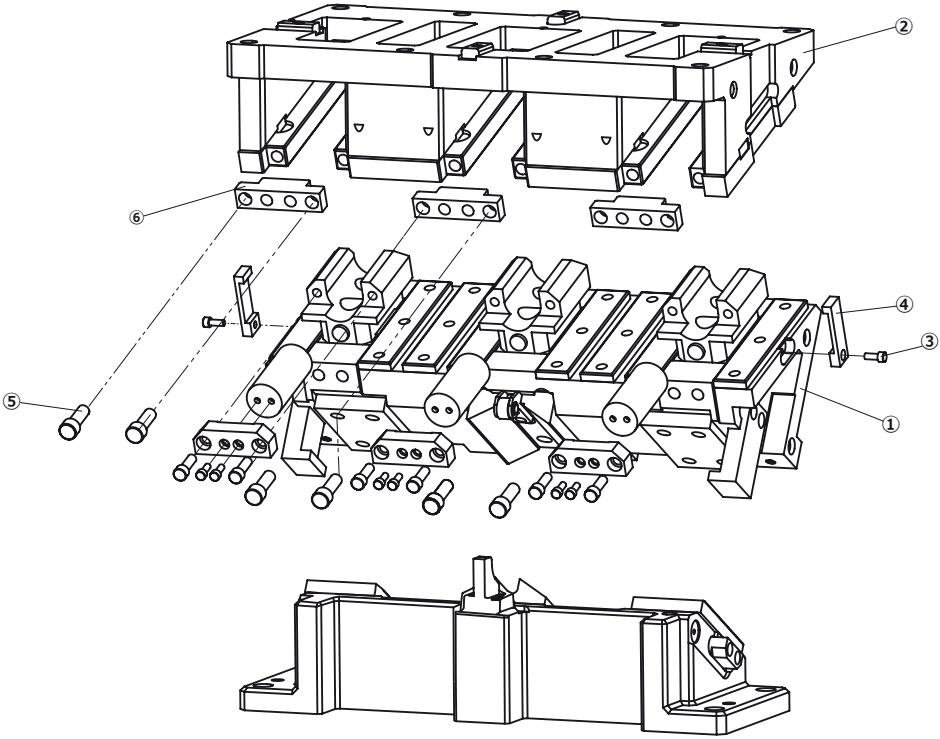
Assembling and disassembling

Disassembling process

- Unscrew ③ pieces and remove extraction plate ④.
- Unscrews ⑤ pieces and remove the stopper plate ⑥.
- Unmount cam slider ① from cam support ②.

Assembling process

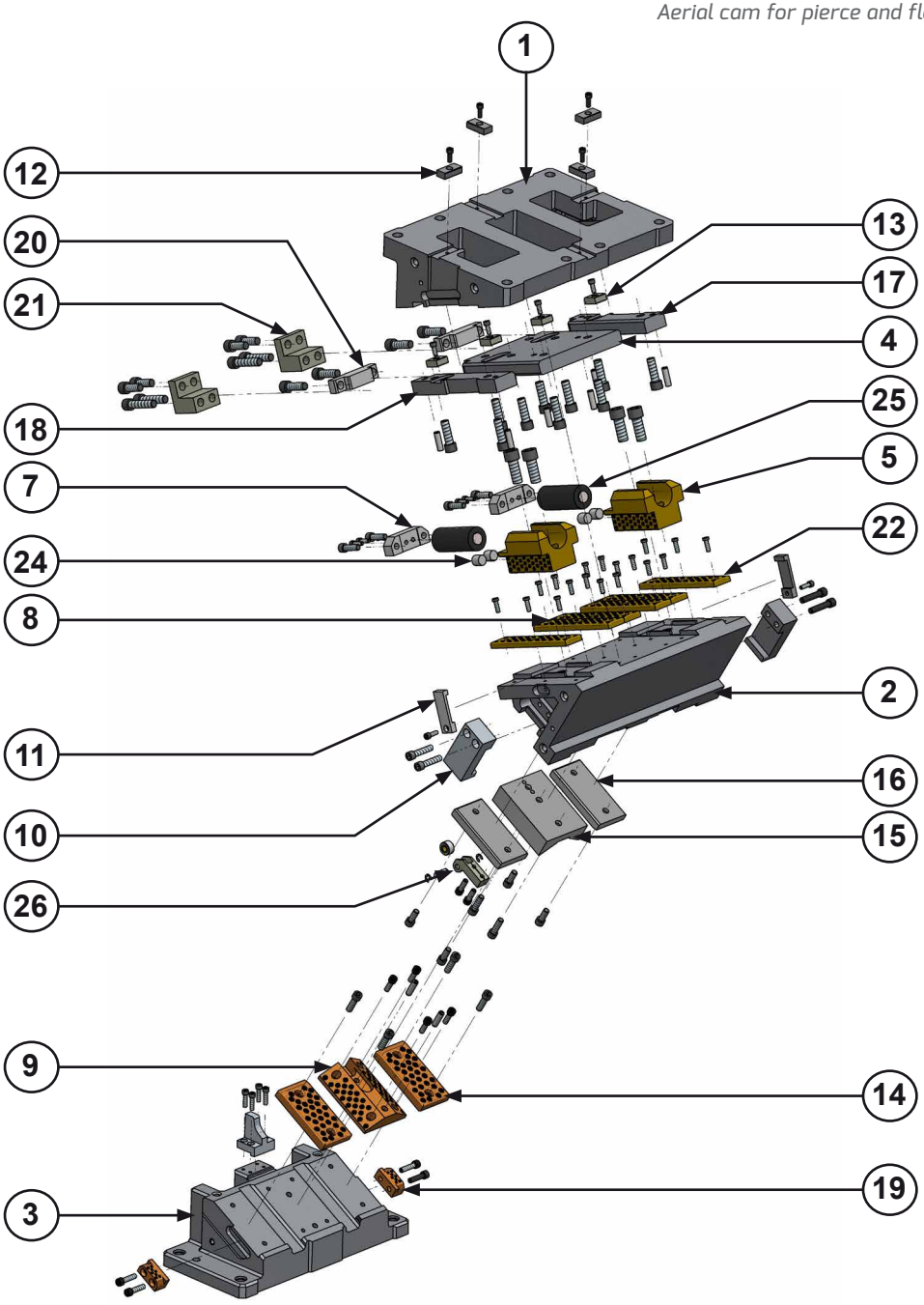
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

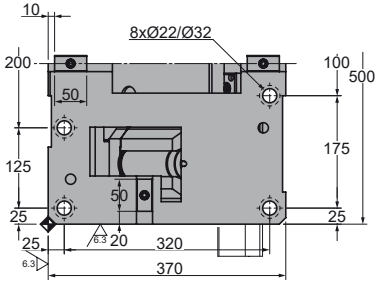


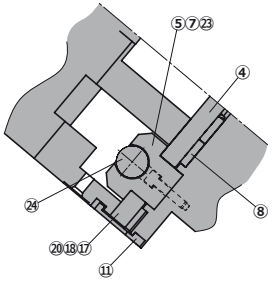
ASLT 0500 - ASLT 0600

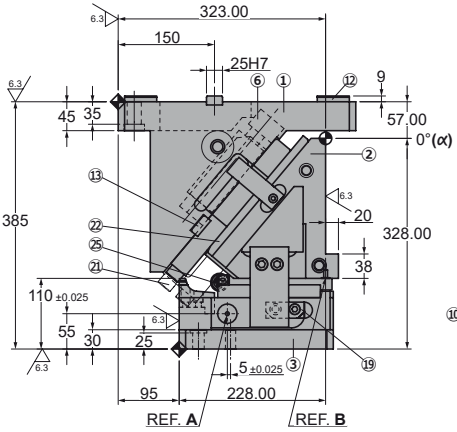
Aerial cam for pierce and flange

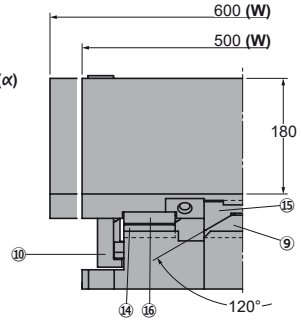
AZOL GAS

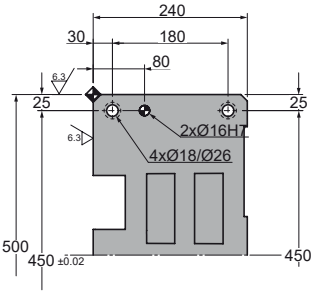
ASLT 0500 00
ASLT 0600 00



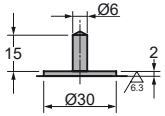




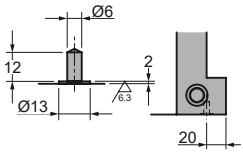




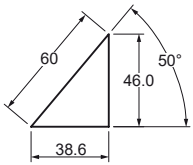
A MEASUREMENT REFERENCE



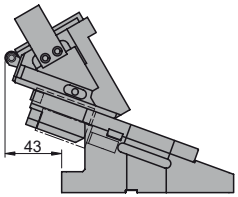
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	313.6 (31.9)	---	18682.0 (1906.3)	265.6	ASLT	0500	00
				272.4		0600	

Order: Model (W) (α)

ASLT 0500 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

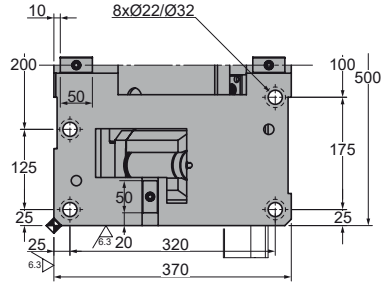
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

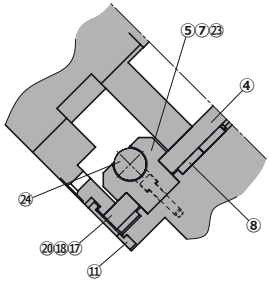
ASLT 0500 - ASLT 0600

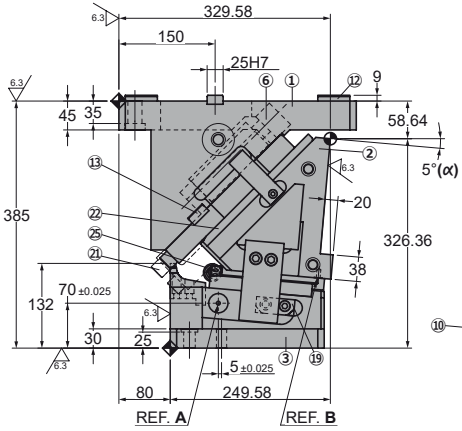
Aerial cam for pierce and flange

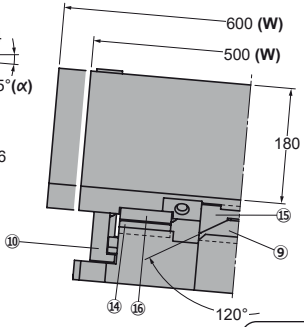
AZOL GAS

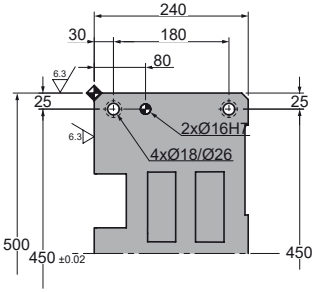
ASLT 0500 05
ASLT 0600 05



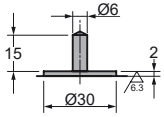




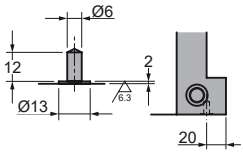




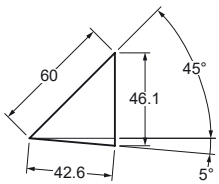
A MEASUREMENT REFERENCE



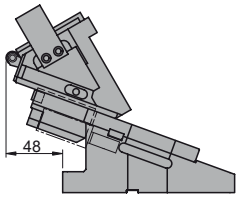
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	313.6 (31.9)	---	18682.0 (1906.3)	262.4	ASLT	0500	05
				269.2		0600	

Order: Model (W) (α)

ASLT 0500 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

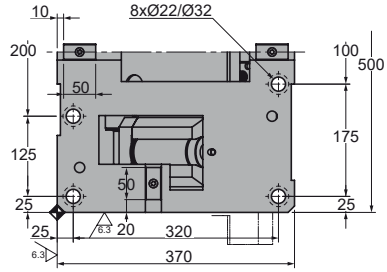
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

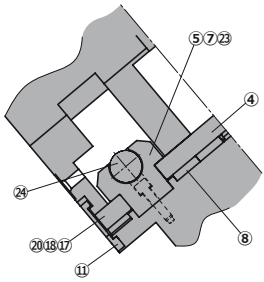
ASLT 0500 - ASLT 0600

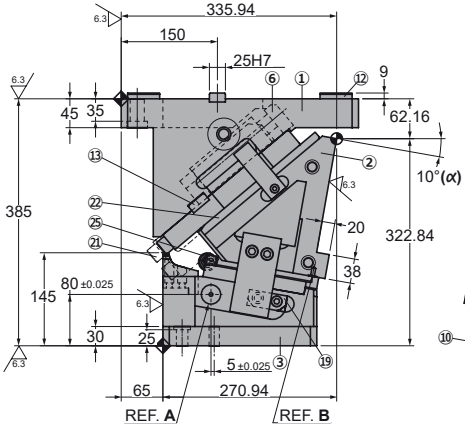
Aerial cam for pierce and flange

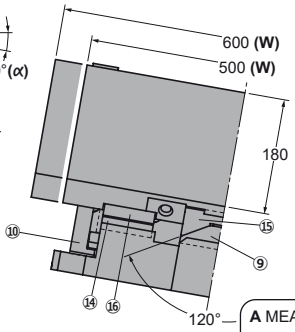
AZOL GAS

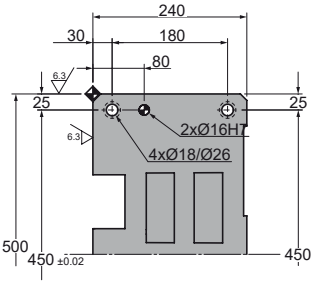
ASLT 0500 10
ASLT 0600 10



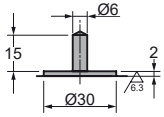




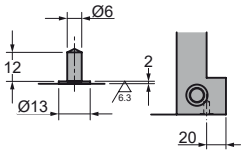




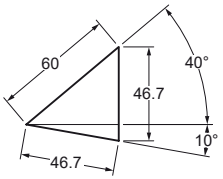
A MEASUREMENT REFERENCE



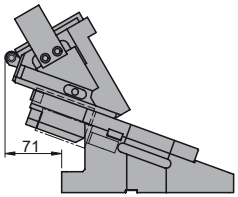
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
46.7	313.6 (31.9)	---	18682.0 (1906.3)	261.0	ASLT	0500	10
				267.9		0600	

Order: Model (W) (α)

ASLT 0500 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

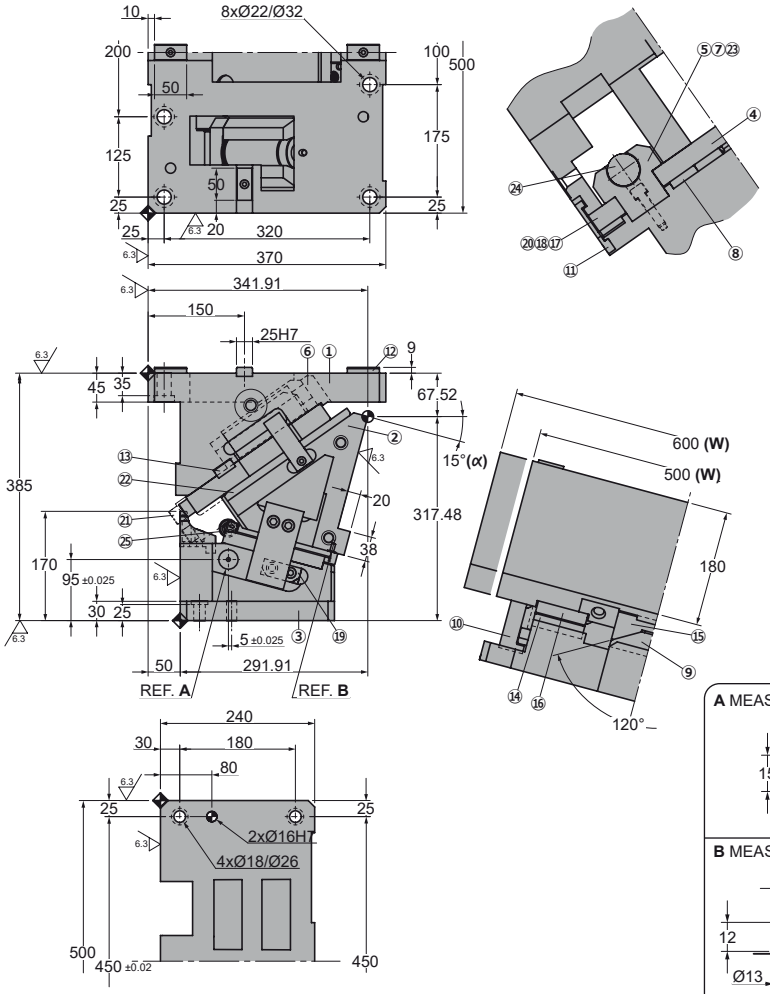
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

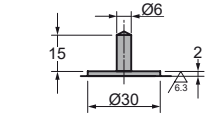
Aerial cam for pierce and flange

AZOL GAS

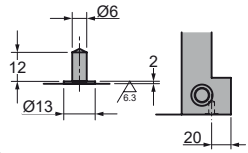
ASLT 0500 15
ASLT 0600 15



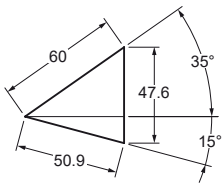
A MEASUREMENT REFERENCE



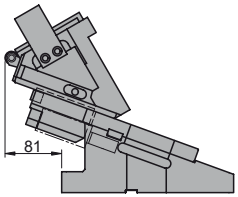
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	313.6 (31.9)	---	18682.0 (1906.3)	260.2	ASLT	0500	15
				267.1		0600	

Order: Model (W) (α)

ASLT 0500 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

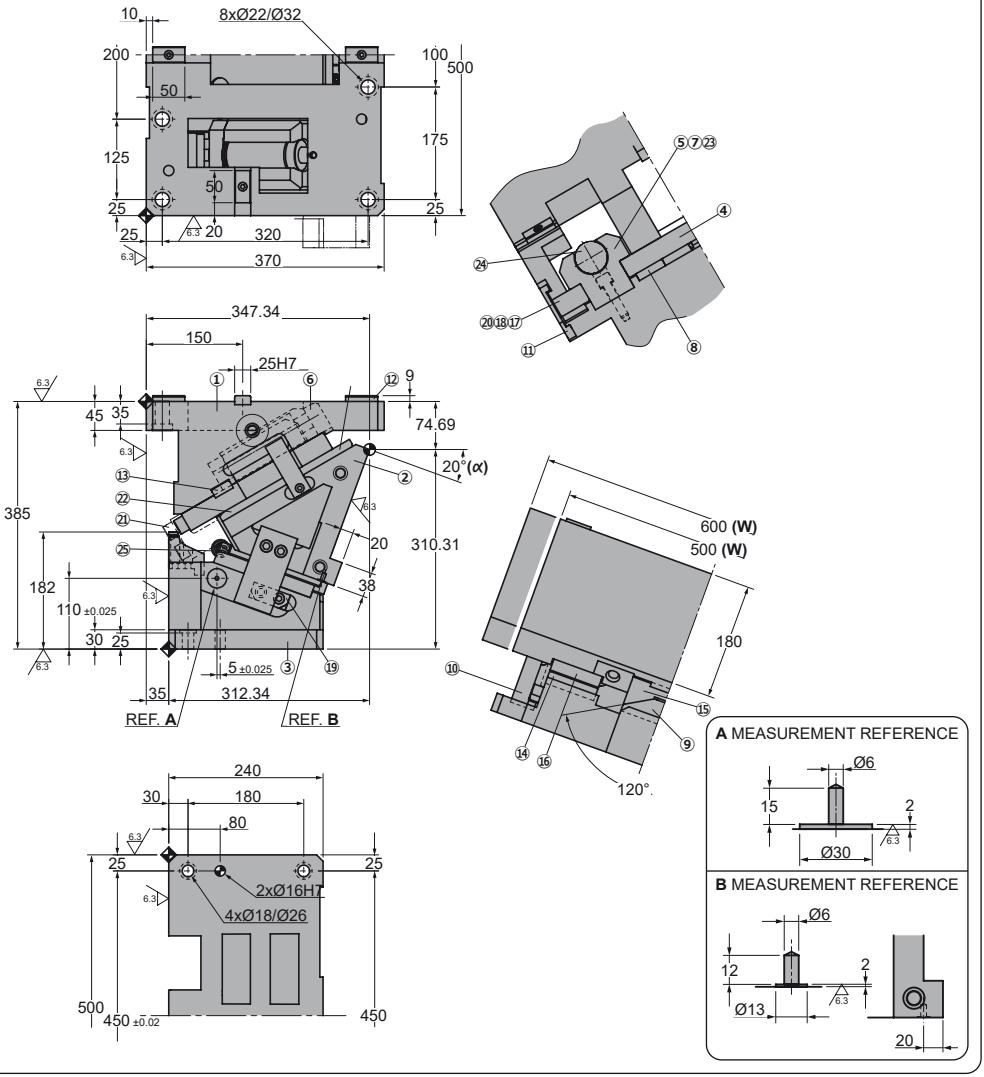
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

AZOL GAS

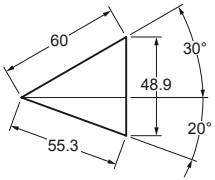
ASLT 0500 20
ASLT 0600 20



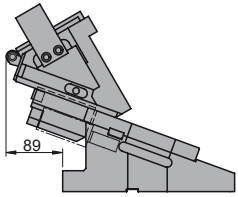
A MEASUREMENT REFERENCE

B MEASUREMENT REFERENCE

◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	313.6 (31.9)	---	18682.0 (1906.3)	260.7	ASLT	0500	20
				267.6		0600	

Order: Model (W) (α)

ASLT 0500 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

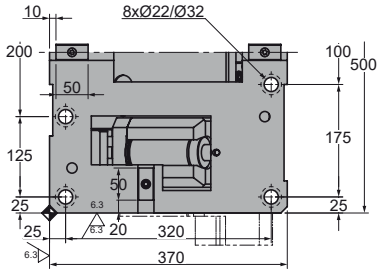
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

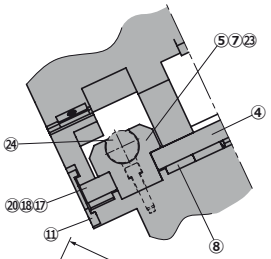
ASLT 0500 - ASLT 0600

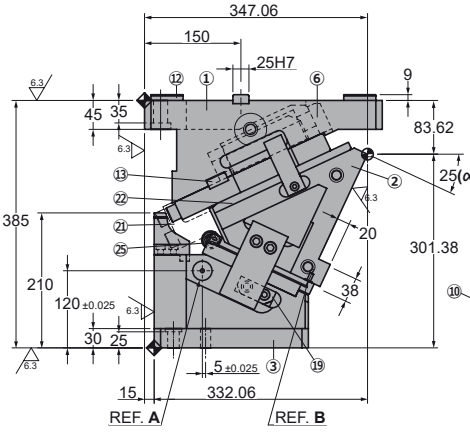
Aerial cam for pierce and flange

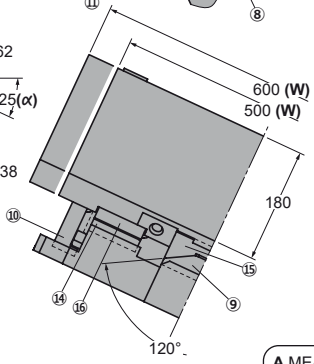
AZOL GAS

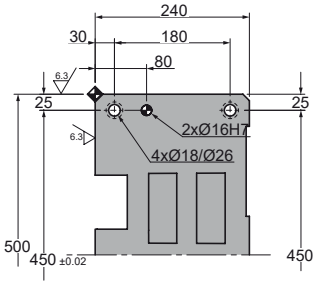
ASLT 0500 25
ASLT 0600 25



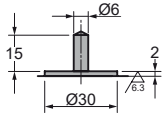




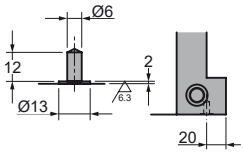




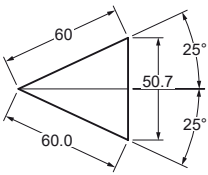
A MEASUREMENT REFERENCE



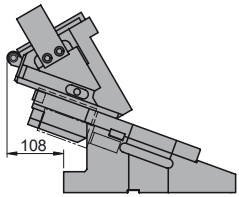
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	313.6 (31.9)	---	18682.0 (1906.3)	260.8	ASLT	0500	25
				267.7		0600	

Order: Model (W) (α)

ASLT 0500 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

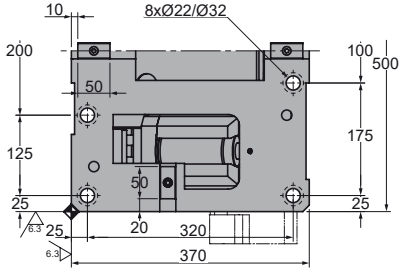
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

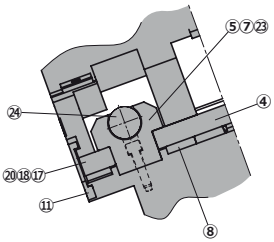
ASLT 0500 - ASLT 0600

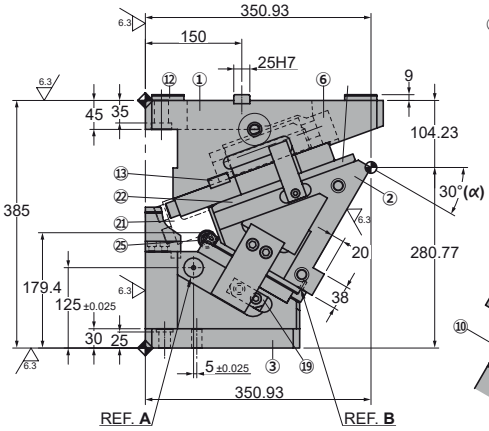
Aerial cam for pierce and flange

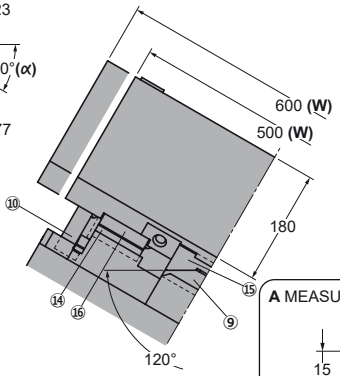
AZOL GAS

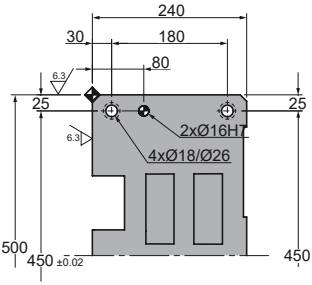
ASLT 0500 30
ASLT 0600 30



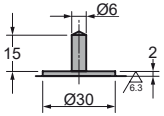




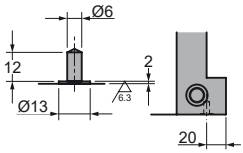




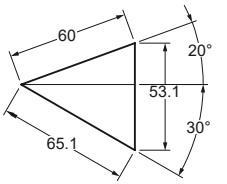
A MEASUREMENT REFERENCE



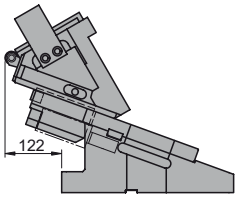
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	313.6 (31.9)	---	18682.0 (1906.3)	264.4	ASLT	0500	30
				271.3		0600	

Order: Model (W) (α)

ASLT 0500 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

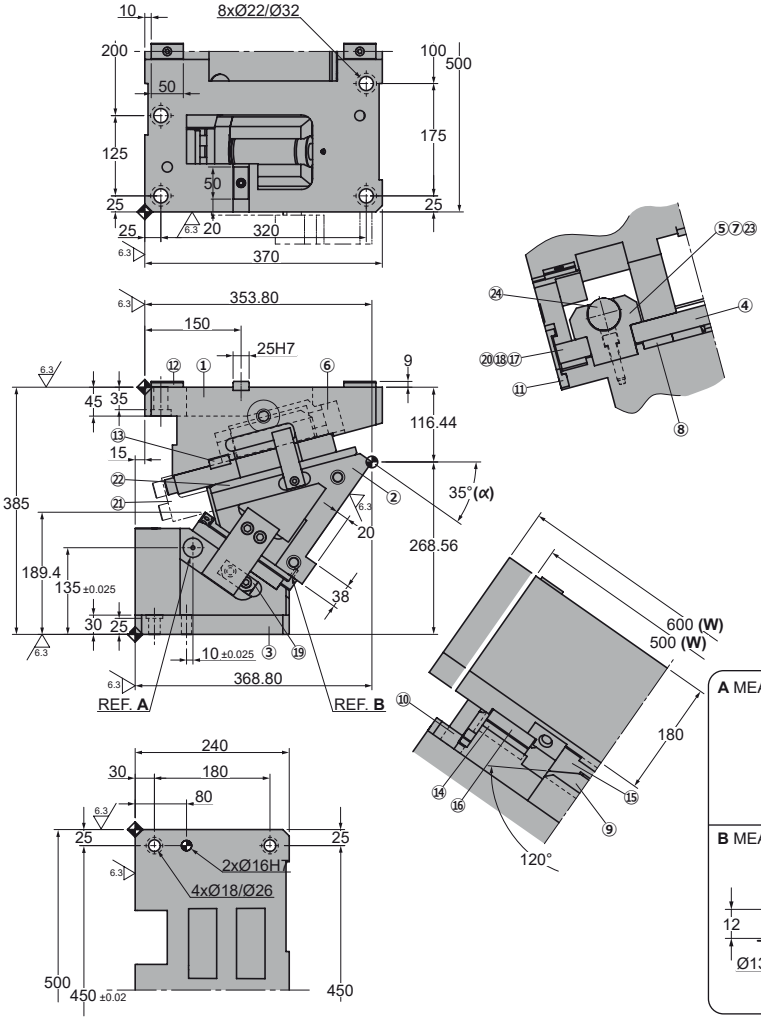
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

ASLT 0500 - ASLT 0600

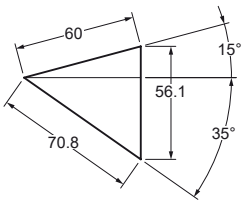
Aerial cam for pierce and flange

AZOL GAS

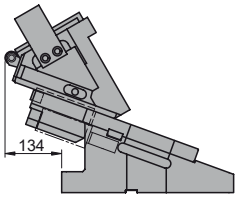
ASLT 0500 35
ASLT 0600 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	313.6 (31.9)	---	18682.0 (1906.3)	269.9	ASLT	0500	35
				276.7		0600	

Order: Model (W) (α)

ASLT 0500 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

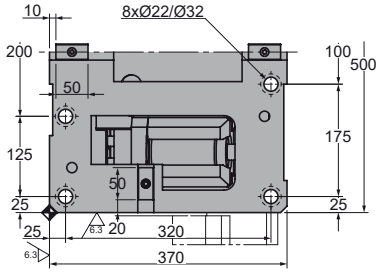
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1

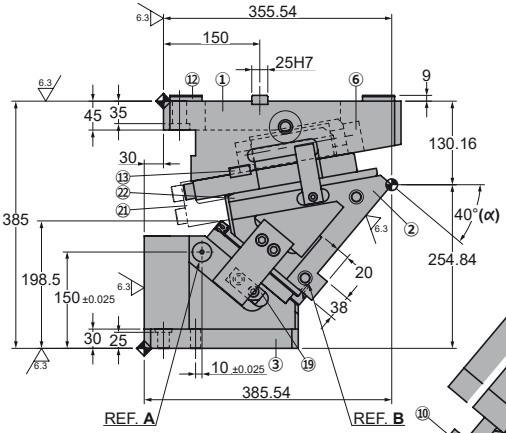
ASLT 0500 - ASLT 0600

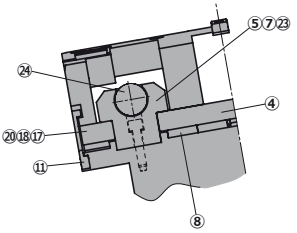
Aerial cam for pierce and flange

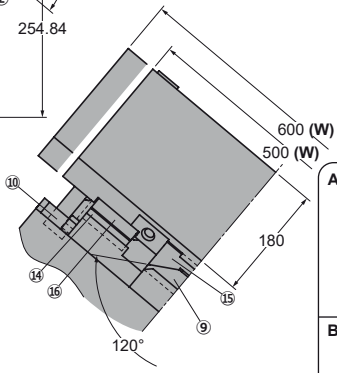
AZOL GAS

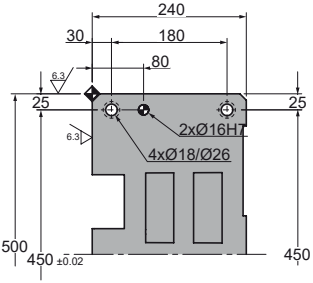
ASLT 0500 40
ASLT 0600 40



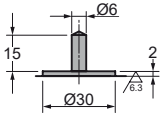




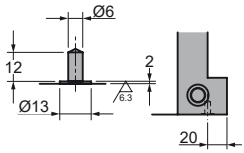




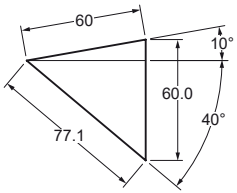
A MEASUREMENT REFERENCE



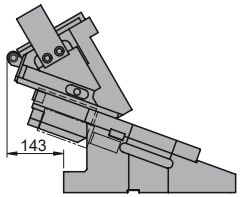
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	313.6 (31.9)	---	18682.0 (1906.3)	274.5	ASLT	0500	40
				281.3		0600	

Order: Model (W) (α)

ASLT 0500 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

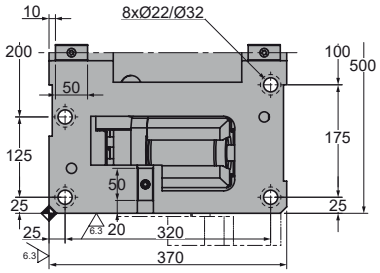
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1

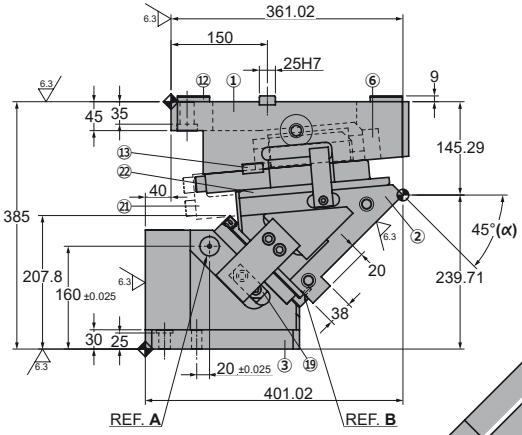
ASLT 0500 - ASLT 0600

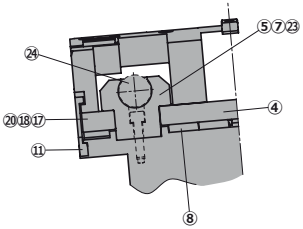
Aerial cam for pierce and flange

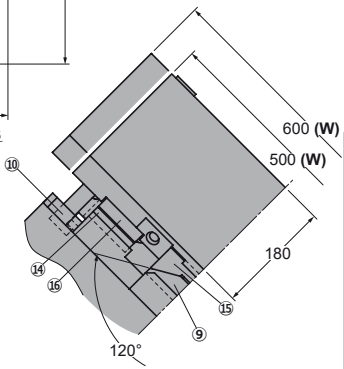
AZOL GAS

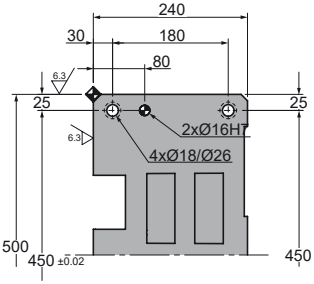
ASLT 0500 45
ASLT 0600 45



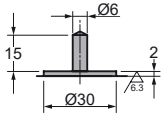




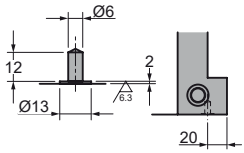




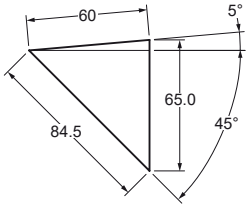
A MEASUREMENT REFERENCE



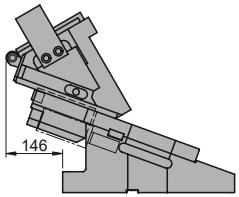
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	313.6 (31.9)	---	18682.0 (1906.3)	281.6	ASLT	0500	45
				288.5		0600	

Order: Model (W) (α)

ASLT 0500 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

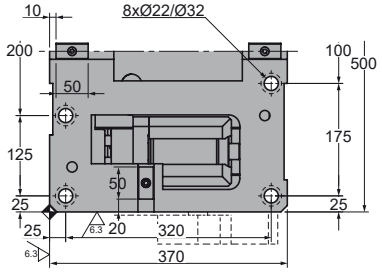
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1

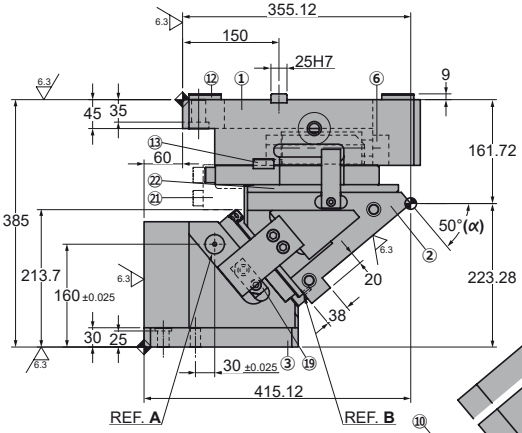
ASLT 0500 - ASLT 0600

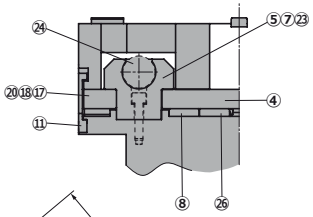
Aerial cam for pierce and flange

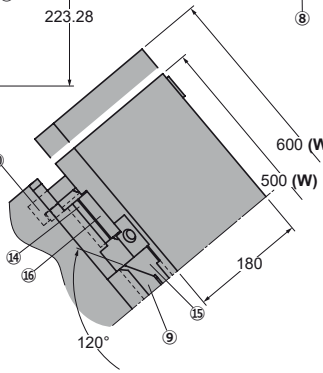
AZOL GAS

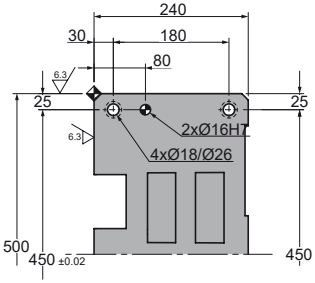
ASLT 0500 50
ASLT 0600 50



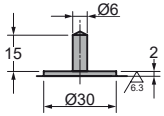




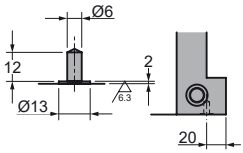




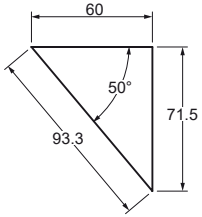
A MEASUREMENT REFERENCE



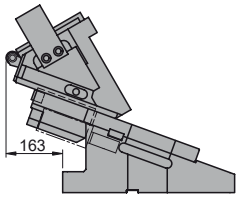
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	313.6 (31.9)	---	18682.0 (1906.3)	282.0	ASLT	0500	50
				288.9		0600	

Order: Model (W) (α)

ASLT 0500 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	4	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

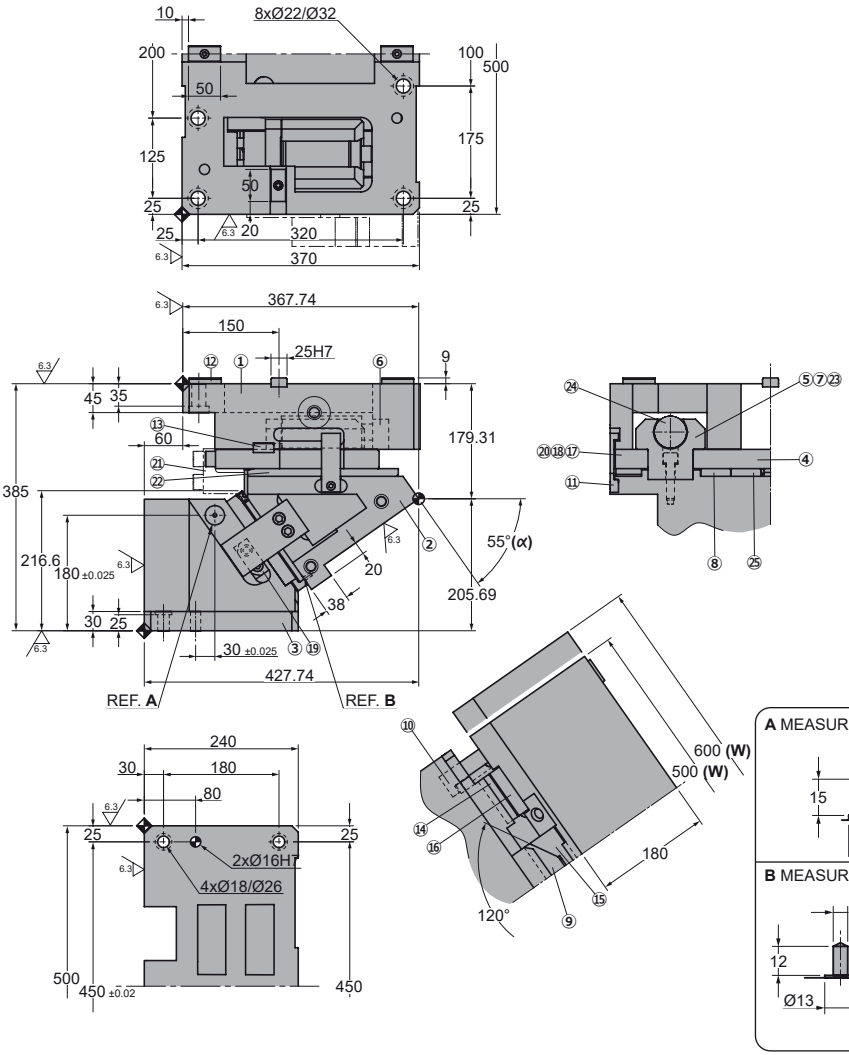
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1

ASLT 0500 - ASLT 0600

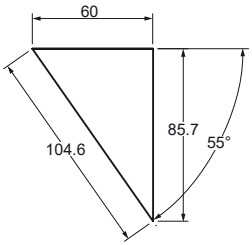
Aerial cam for pierce and flange

AZOL GAS

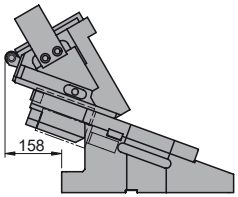
ASLT 0500 55
ASLT 0600 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	313.6 (31.9)	---	18682.0 (1906.3)	291.5	ASLT	0500	55
				299.2		0600	

Order: Model (W) (α)

ASLT 0500 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Lower Slide Guide
- ⑭ Slider Plate 2
- ⑲ Positive Return Guide
- ㉒ Slider Plate 3
- ㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	2	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

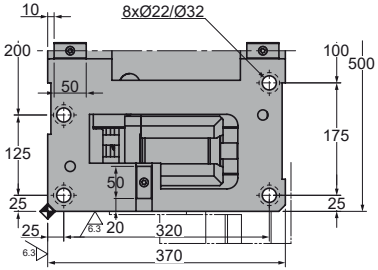
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Slider Plate 4	2	Bronze + G

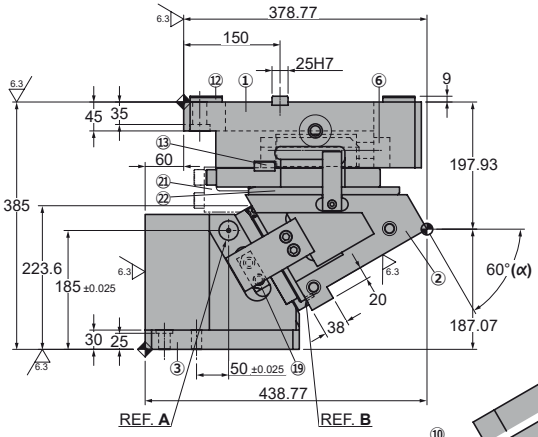
ASLT 0500 - ASLT 0600

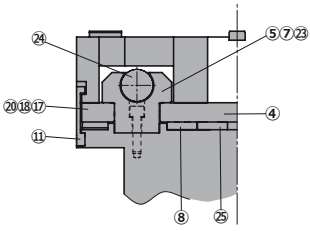
Aerial cam for pierce and flange

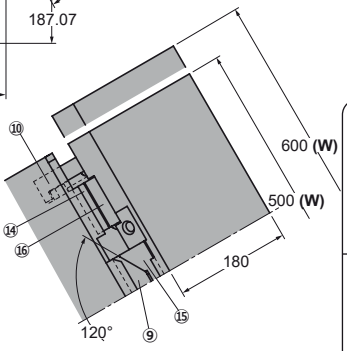
AZOL GAS

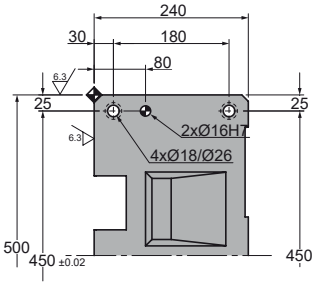
ASLT 0500 60
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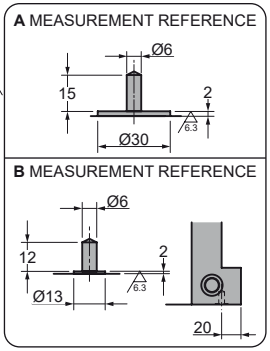




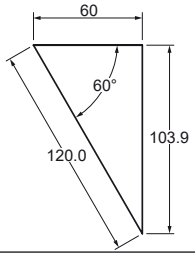




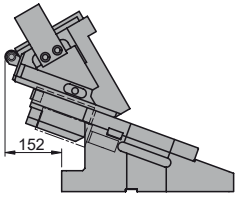




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
120.0	313.6 (31.9)	---	18682.0 (1906.3)	300.1	ASLT	0500	60
				308.7		0600	

Order: Model (W) (α)

ASLT 0500 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	1	CK45
⑤	Spring Guide	2	Bronze + G
⑥	Spring Spacer	2	CK22
⑦	Spring Guide Plate	2	CK22
⑧	Slider Plate 1	2	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	4	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	2	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	4	Urethane
㉔	Gas Spring	2	FD 750 R63 V1
㉕	Slider Plate 4	2	Bronze + G

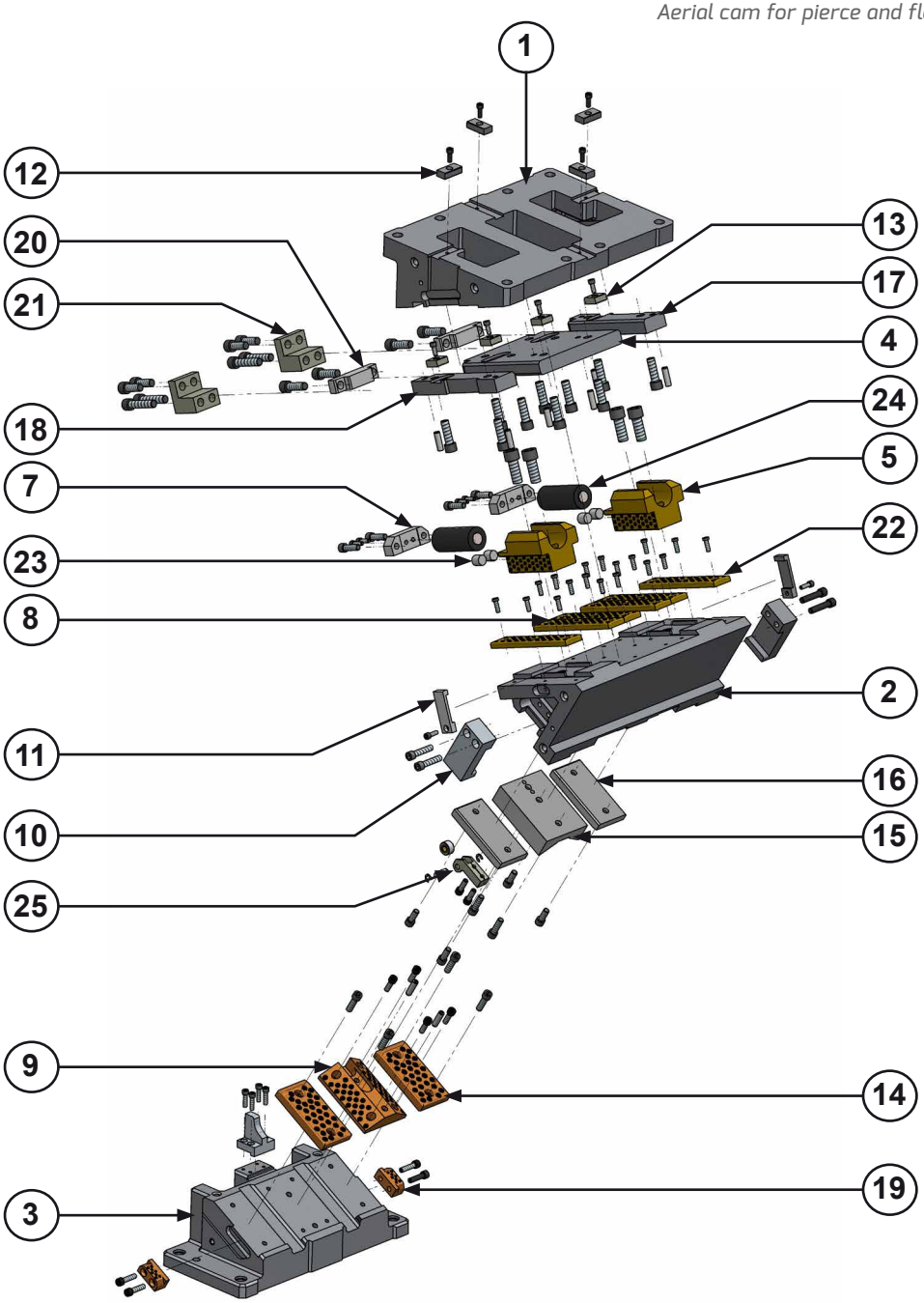
ASLT 0500 - ASLT 0600

Aerial cam for pierce and flange

AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

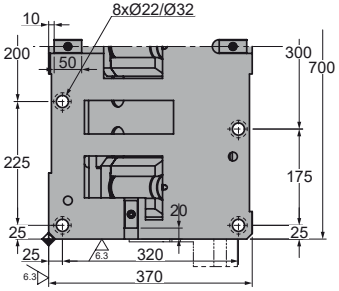


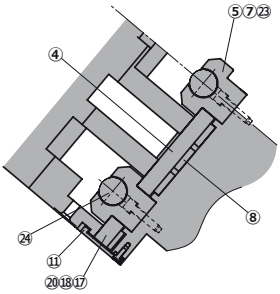
ASLT 0700 - ASLT 0800

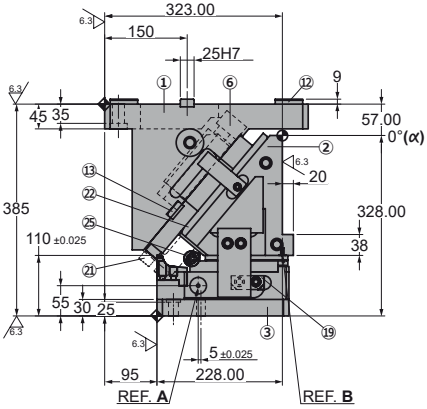
Aerial cam for pierce and flange

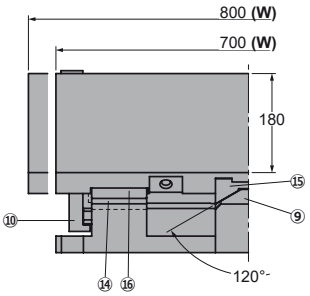
AZOL GAS

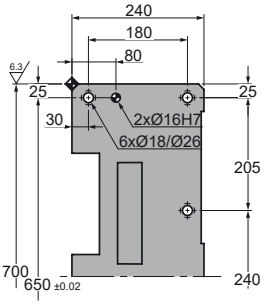
ASLT 0700 00
ASLT 0800 00



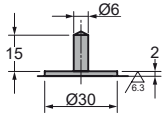




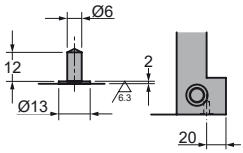




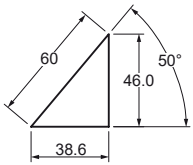
A MEASUREMENT REFERENCE



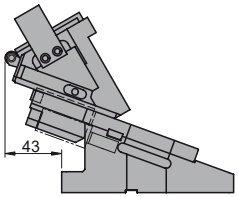
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	470.4 (47.9)	---	28023.0 (2859.5)	362.6	ASLT	0700	00
				369.4		0800	

Order: Model (W) (α)

ASLT 0700 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

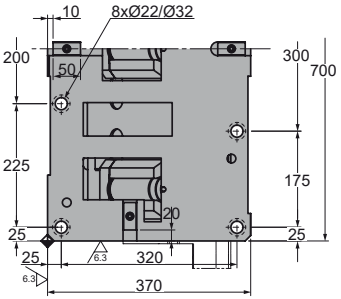
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

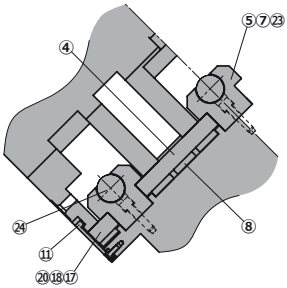
ASLT 0700 - ASLT 0800

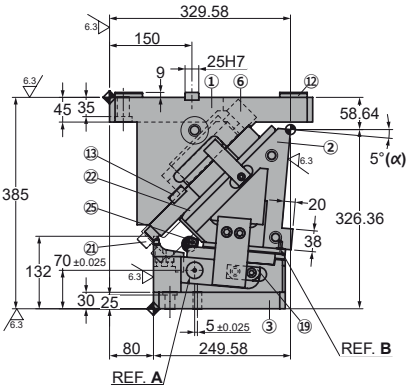
Aerial cam for pierce and flange

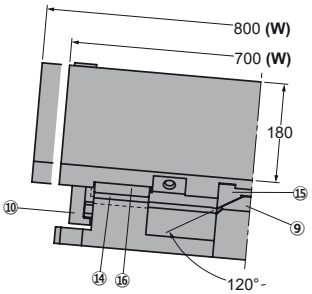
AZOL GAS

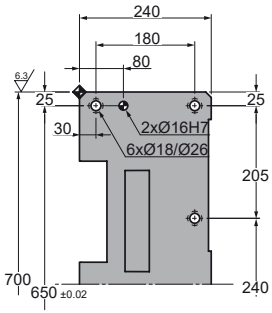
ASLT 0700 05
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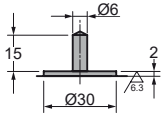




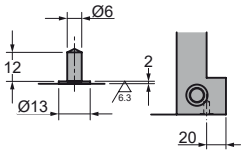




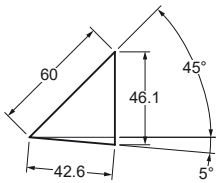
A MEASUREMENT REFERENCE



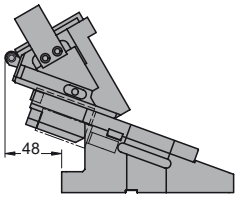
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	470.4 (47.9)	---	28023.0 (2859.5)	358.9	ASLT	0700	05
				365.7		0800	

Order: Model (W) (α)

ASLT 0700 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

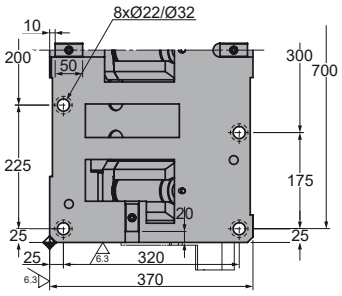
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

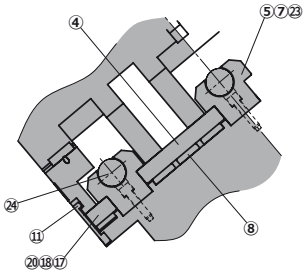
ASLT 0700 - ASLT 0800

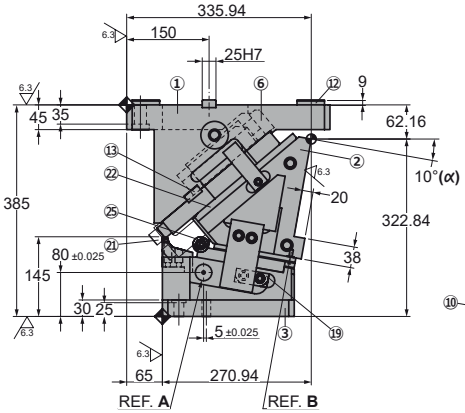
Aerial cam for pierce and flange

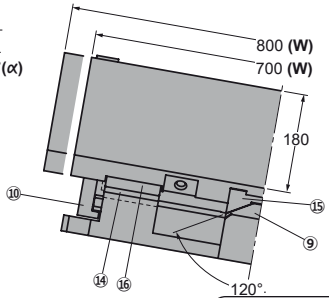
AZOL GAS

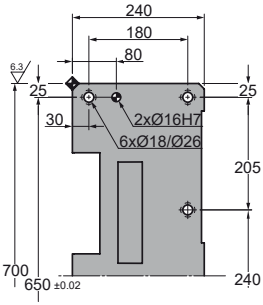
ASLT 0700 10
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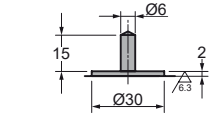




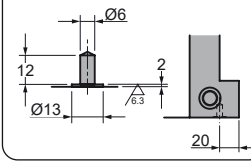




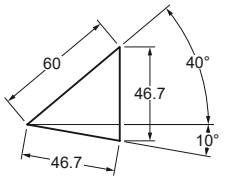
A MEASUREMENT REFERENCE



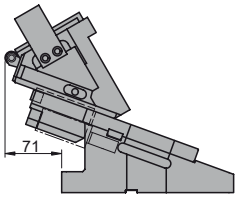
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	470.4 (47.9)	---	28023.0 (2859.5)	357.2	ASLT	0700	10
				364.0		0800	

Order: Model (W) (α)

ASLT 0700 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

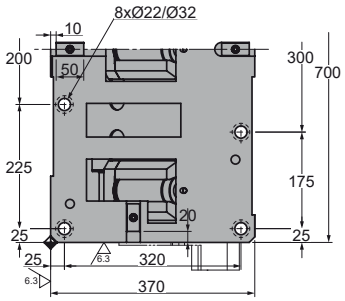
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

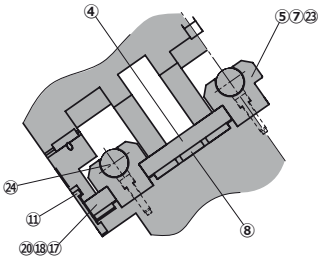
ASLT 0700 - ASLT 0800

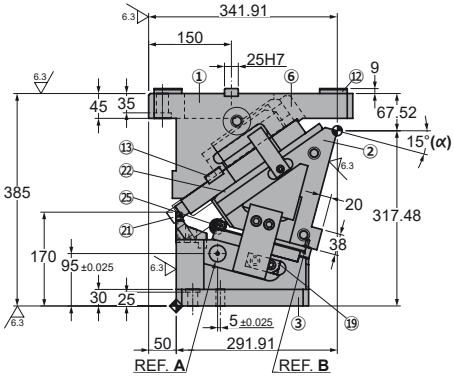
Aerial cam for pierce and flange

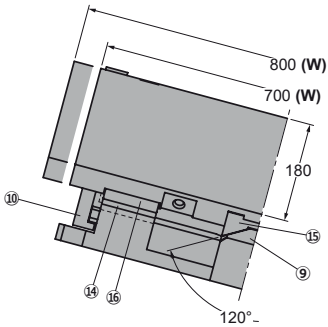
AZOL GAS

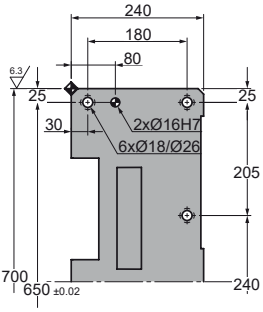
ASLT 0700 15
ASLT 0800 15



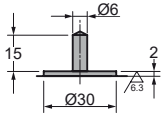




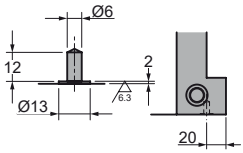




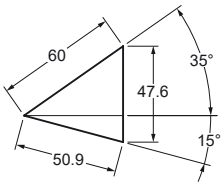
A MEASUREMENT REFERENCE



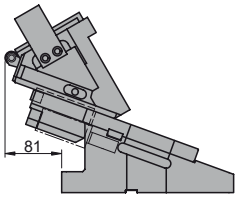
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	470.4 (47.9)	---	28023.0 (2859.5)	357.0	ASLT	0700	15
				363.8		0800	

Order: Model (W) (α)

ASLT 0700 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

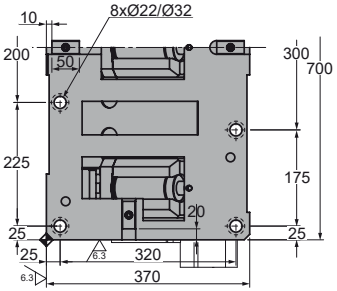
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

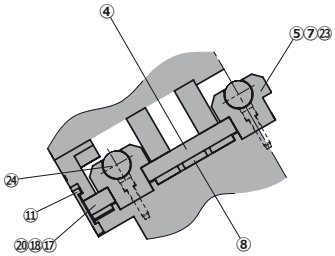
ASLT 0700 - ASLT 0800

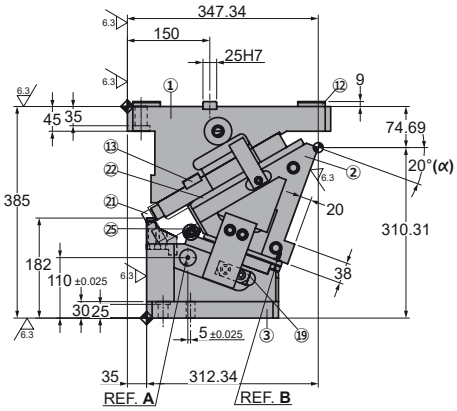
Aerial cam for pierce and flange

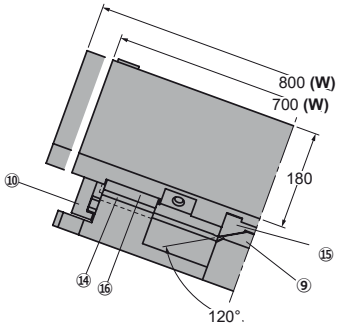
AZOL GAS

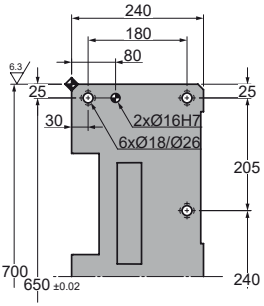
ASLT 0700 20
ASLT 0800 20



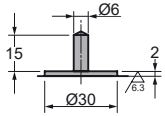




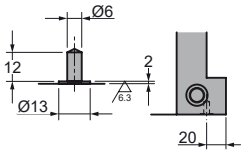




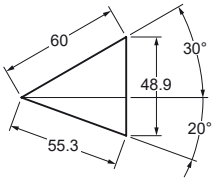
A MEASUREMENT REFERENCE



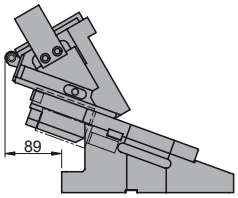
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	470.4 (47.9)	---	28023.0 (2859.5)	356.1	ASLT	0700	20
				363.0		0800	

Order: Model (W) (α)

ASLT 0700 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

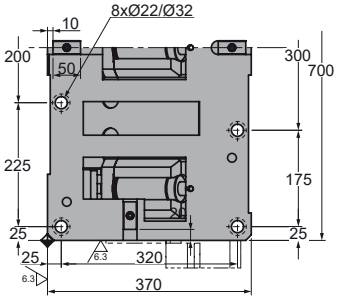
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	CW 1000 075 V2 (113bar)
㉕	Roller Block (roller)	1	----

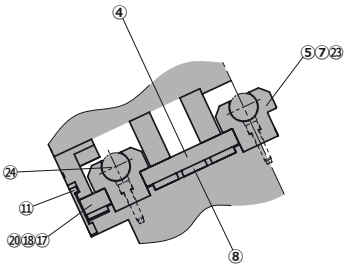
ASLT 0700 - ASLT 0800

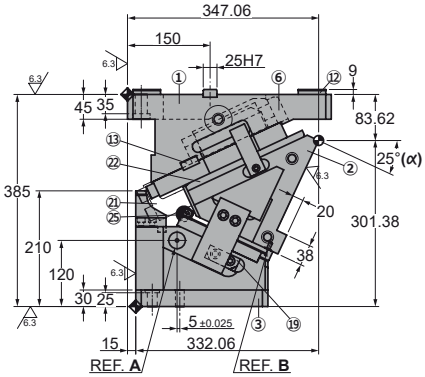
Aerial cam for pierce and flange

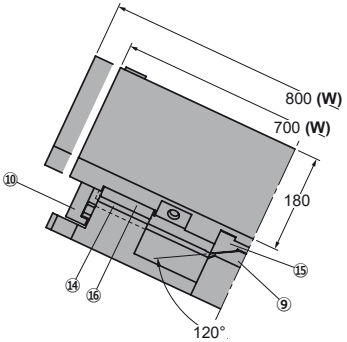
AZOL GAS

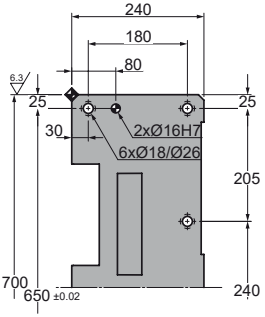
ASLT 0700 25
ASLT 0800 25



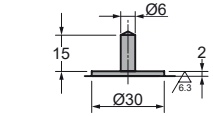




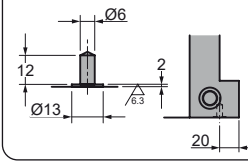




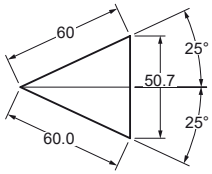
A MEASUREMENT REFERENCE



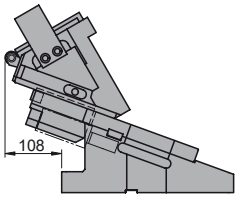
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	470.4 (47.9)	---	28023.0 (2859.5)	357.3	ASLT	0700	25
				364.2		0800	

Order: Model (W) (α)

ASLT 0700 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

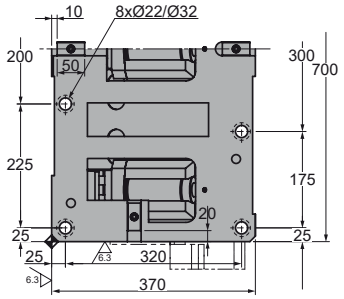
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

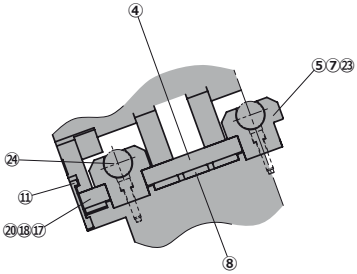
ASLT 0700 - ASLT 0800

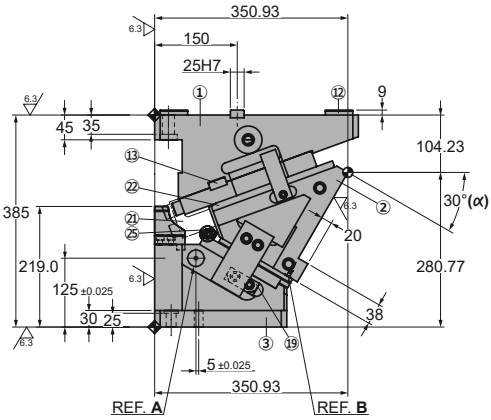
Aerial cam for pierce and flange

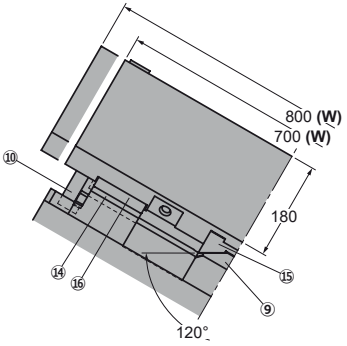
AZOL GAS

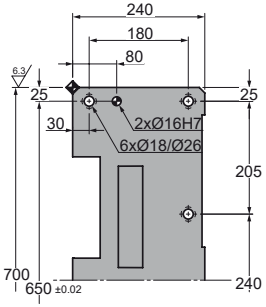
ASLT 0700 30
ASLT 0800 30



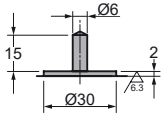




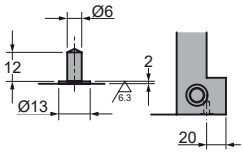




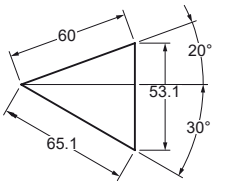
A MEASUREMENT REFERENCE



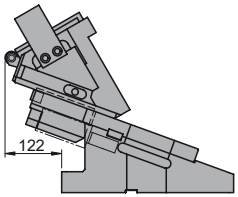
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
65.1	470.4 (47.9)	---	28023.0 (2859.5)	362.7	ASLT	0700	30
				369.5		0800	

Order: Model (W) (α)

ASLT 0700 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

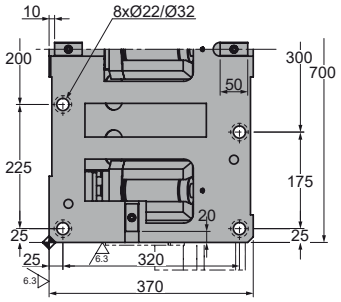
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1
㉕	Roller Block (roller)	1	----

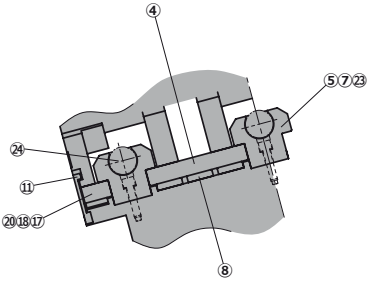
ASLT 0700 - ASLT 0800

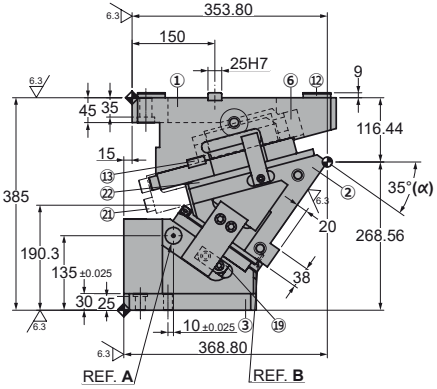
Aerial cam for pierce and flange

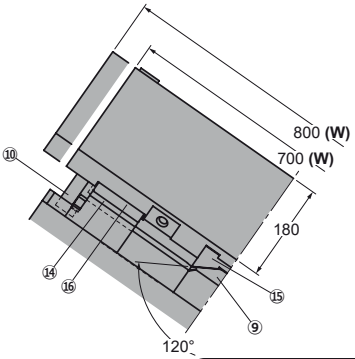
AZOL GAS

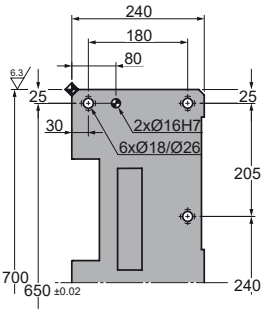
ASLT 0700 35
ASLT 0800 35



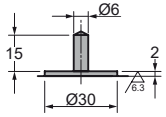




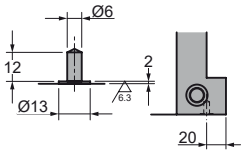




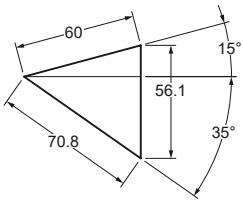
A MEASUREMENT REFERENCE



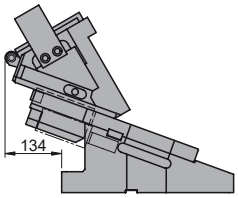
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
70.8	470.4 (47.9)	---	28023.0 (2859.5)	370.6	ASLT	0700	35
				377.4		0800	

Order: Model (W) (α)

ASLT 0700 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

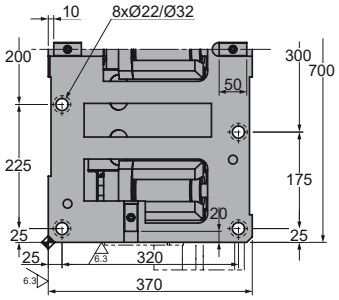
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

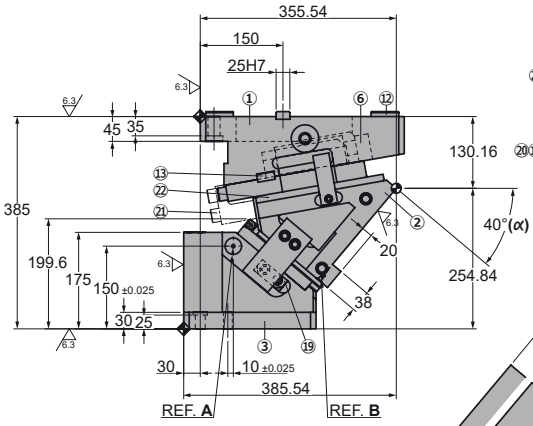
ASLT 0700 - ASLT 0800

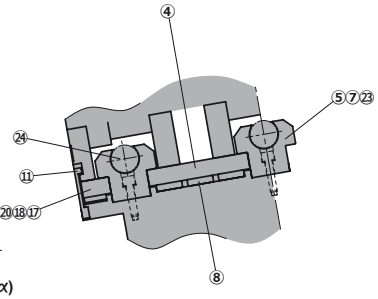
Aerial cam for pierce and flange

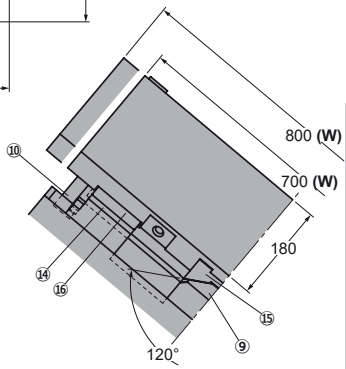
AZOL GAS

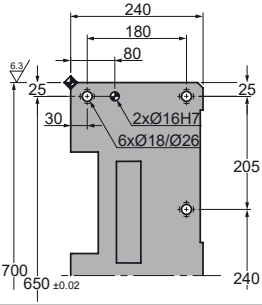
ASLT 0700 40
ASLT 0800 40

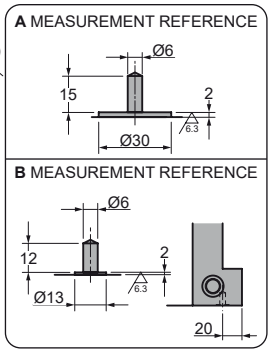




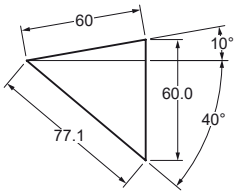




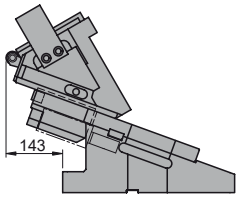




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	470.4 (47.9)	---	28023.0 (2859.5)	377.0	ASLT	0700	40
				383.8		0800	

Order: Model (W) (α)

ASLT 0700 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

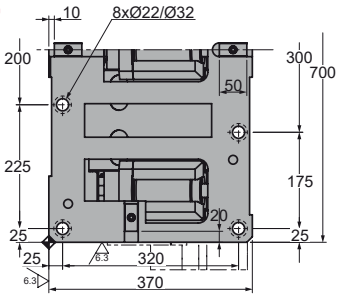
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

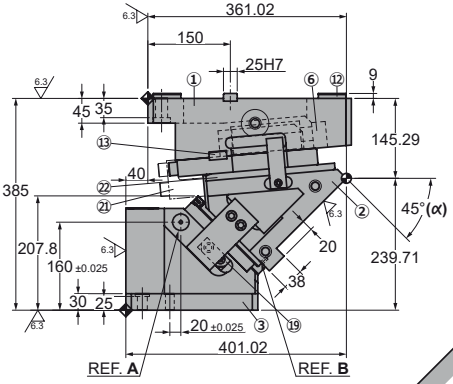
ASLT 0700 - ASLT 0800

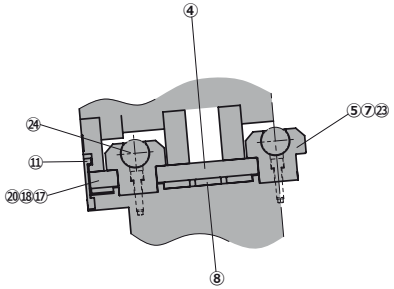
Aerial cam for pierce and flange

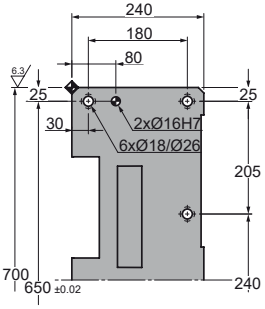
AZOL GAS

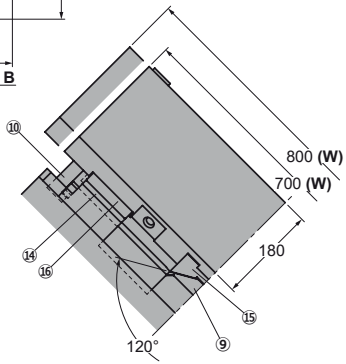
ASLT 0700 45
ASLT 0800 45



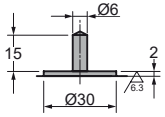




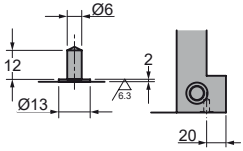




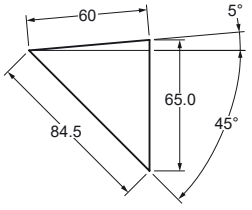
A MEASUREMENT REFERENCE



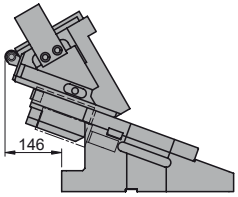
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	470.4 (47.9)	---	28023.0 (2859.5)	383.6	ASLT	0700	45
				390.4		0800	

Order: Model (W) (α)

ASLT 0700 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

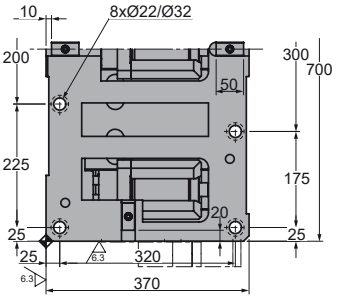
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

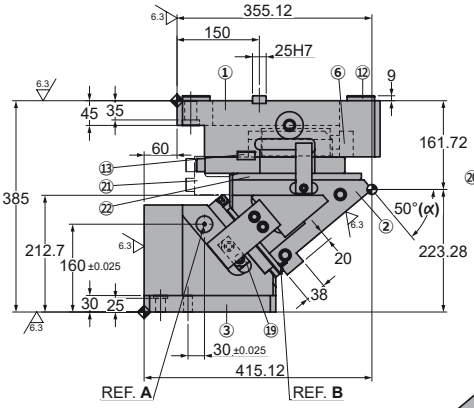
ASLT 0700 - ASLT 0800

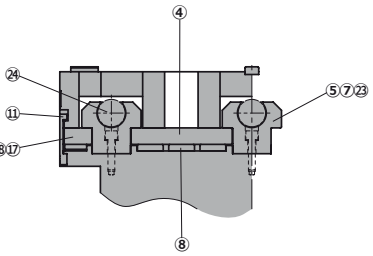
Aerial cam for pierce and flange

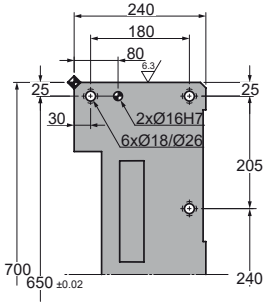
AZOL GAS

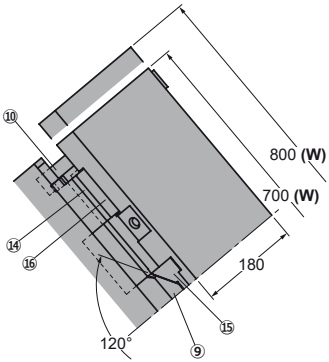
ASLT 0700 50
ASLT 0800 50



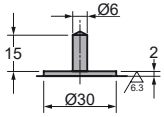




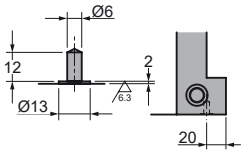




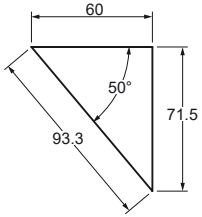
A MEASUREMENT REFERENCE



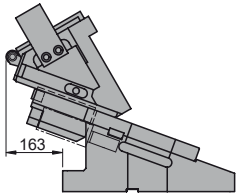
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	470.4 (47.9)	---	28023.0 (2859.5)	386.5	ASLT	0700	50
				393.4		0800	

Order: Model (W) (α)

ASLT 0700 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

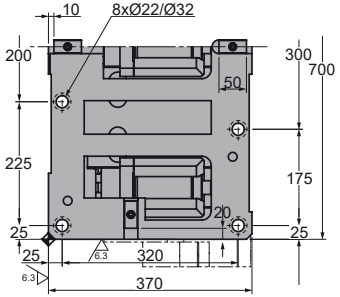
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

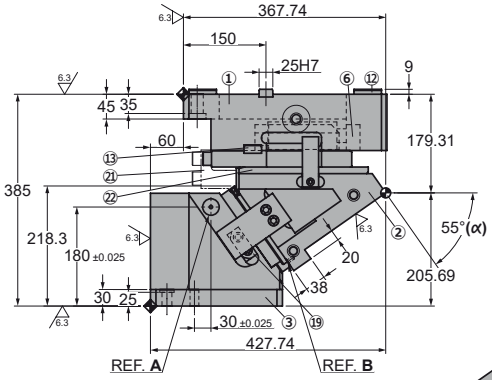
ASLT 0700 - ASLT 0800

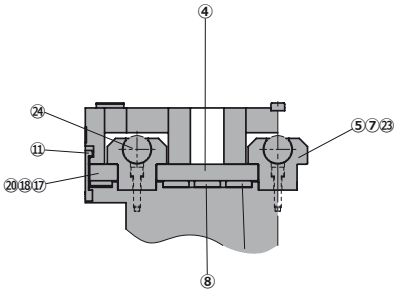
Aerial cam for pierce and flange

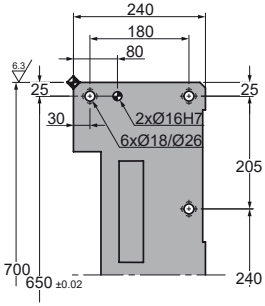
AZOL GAS

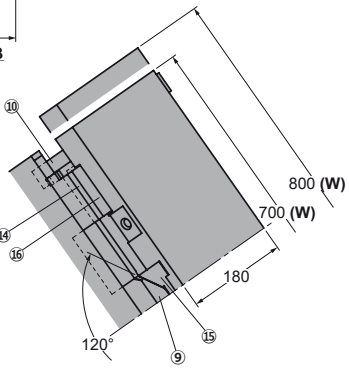
ASLT 0700 55
ASLT 0800 55



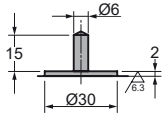




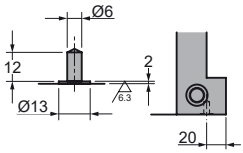




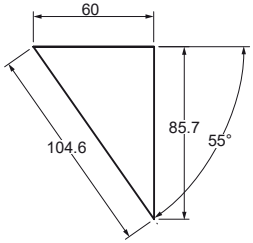
A MEASUREMENT REFERENCE



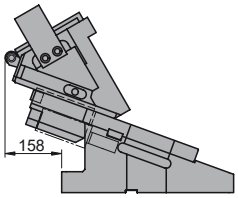
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	470.4 (47.9)	---	28023.0 (2859.5)	400.8	ASLT	0700	55
				408.3		0800	

Order: Model (W) (α)

ASLT 0700 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

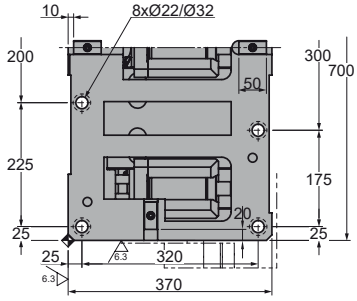
No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

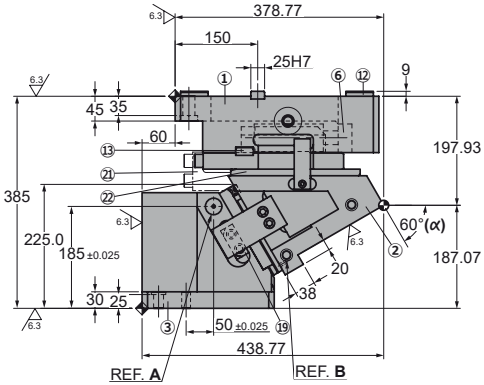
ASLT 0700 - ASLT 0800

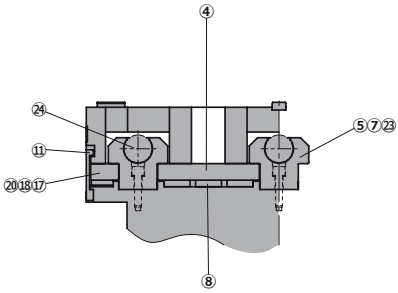
Aerial cam for pierce and flange

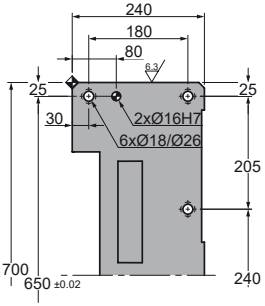
AZOL GAS

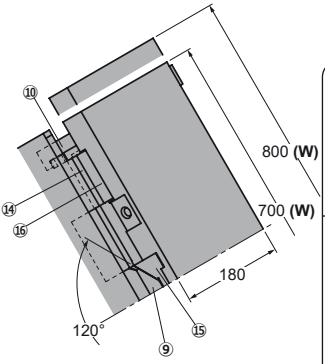
ASLT 0700 60
ASLT 0800 60



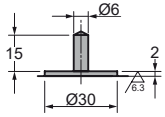




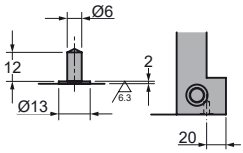




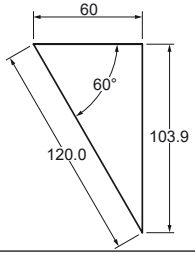
A MEASUREMENT REFERENCE



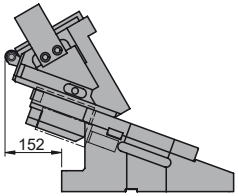
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	470.4 (47.9)	---	28023.0 (2859.5)	412.7	ASLT	0700	60
				421.2		0800	

Order: Model (W) (α)

ASLT 0700 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	3	Bronze + G
⑥	Spring Spacer	3	CK22
⑦	Spring Guide Plate	3	CK22
⑧	Slider Plate 1	6	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	2	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	2	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	3	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	6	Urethane
㉔	Gas Spring	3	FD 750 R63 V1

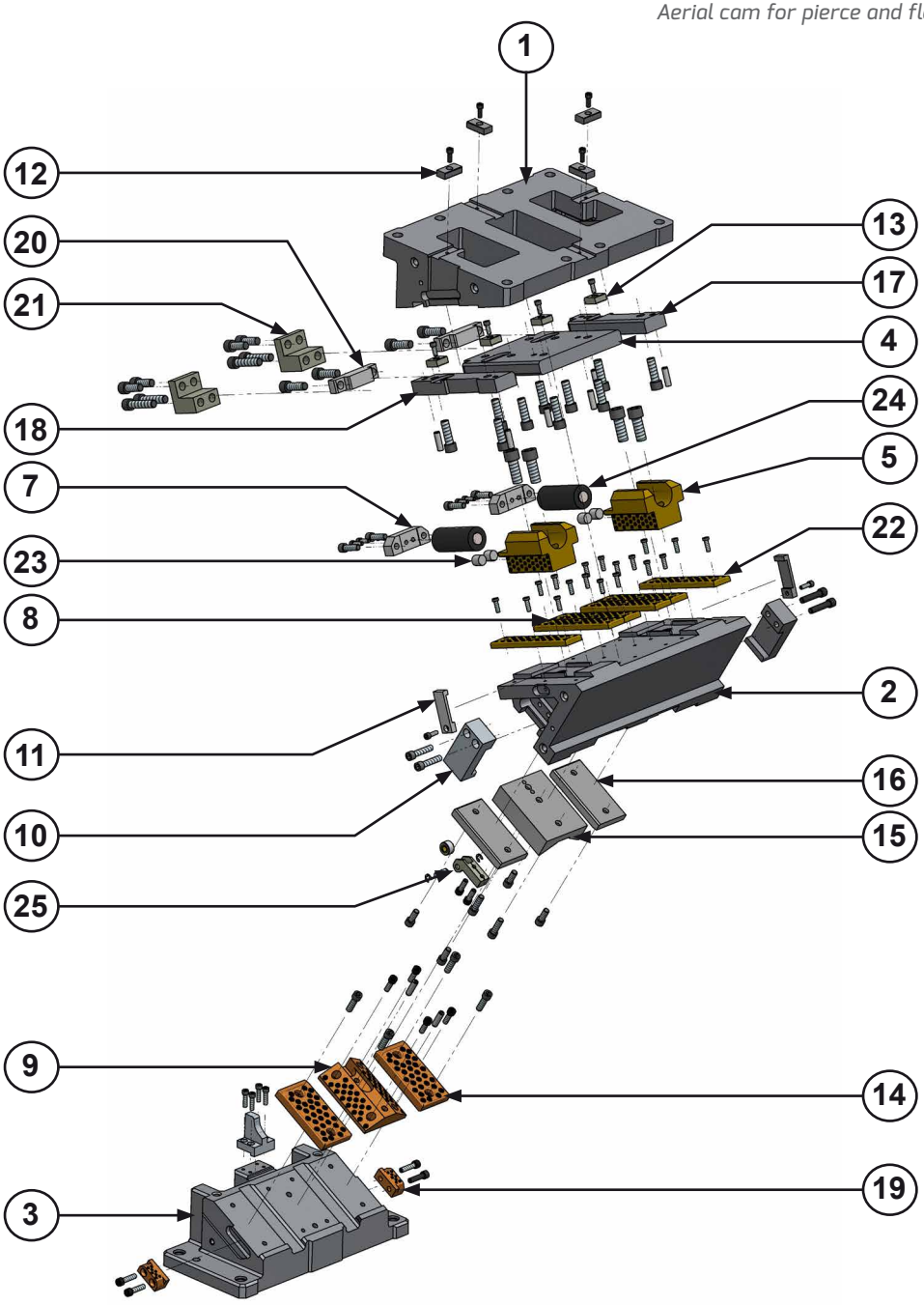
ASLT 0700 - ASLT 0800

Aerial cam for pierce and flange

AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

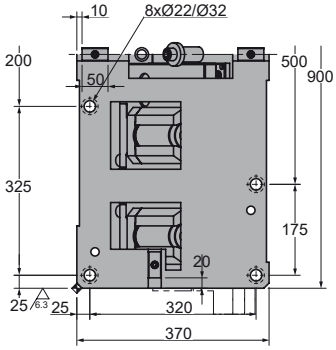


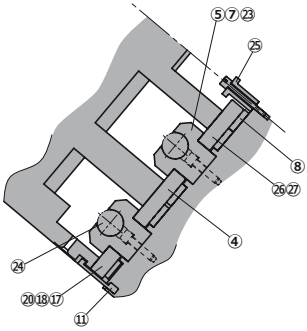
ASLT 0900 - ASLT 1000

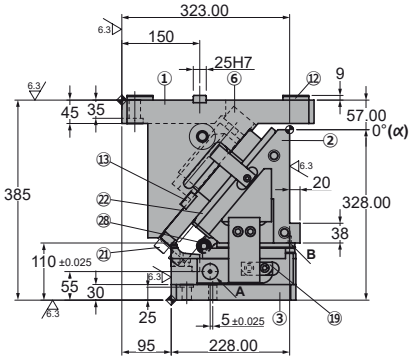
Aerial cam for pierce and flange

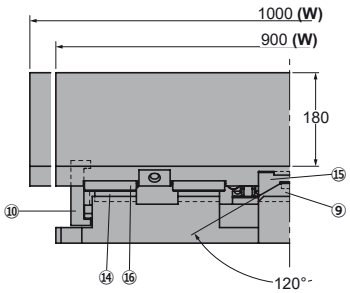
AZOL GAS

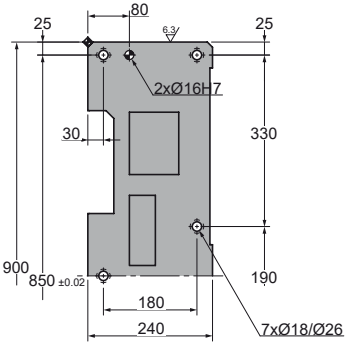
ASLT 0900 00
ASLT 1000 00



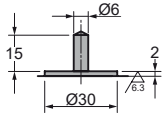




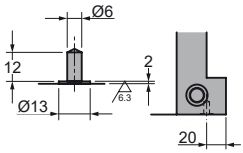




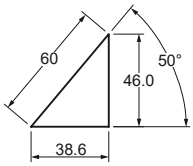
A MEASUREMENT REFERENCE



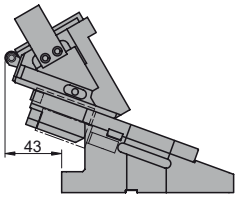
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	627.2 (63.9)	---	37364.0 (3812.7)	463.3	ASLT	0900	00
				470.2		1000	

Order: Model (W) (α)

ASLT 0900 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

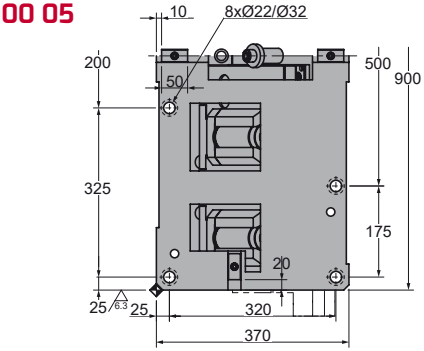
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

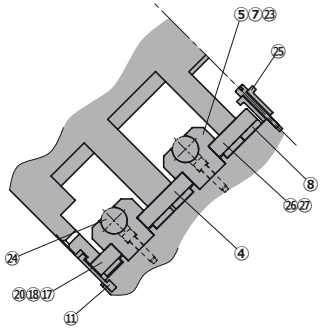
ASLT 0900 - ASLT 1000

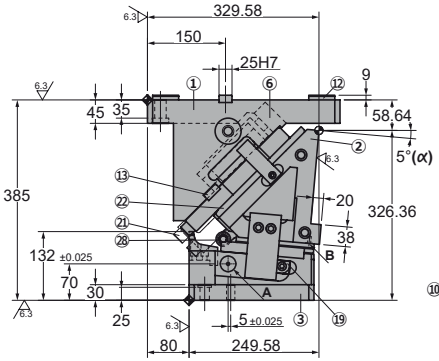
Aerial cam for pierce and flange

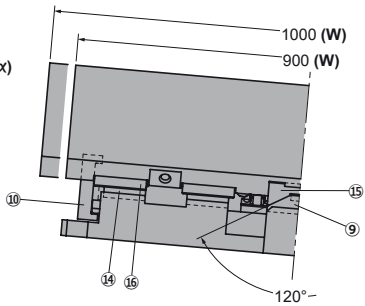
AZOL GAS

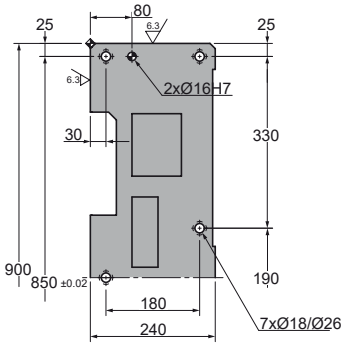
ASLT 0900 05
ASLT 1000 05



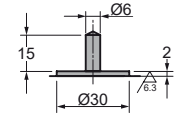




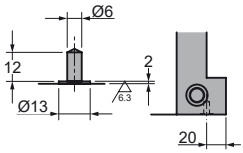




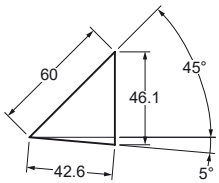
A MEASUREMENT REFERENCE



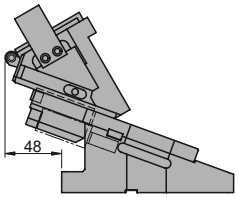
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	627.2 (63.9)	---	37364.0 (3812.7)	459.2	ASLT	0900	05
				466.1		1000	

Order: Model (W) (α)

ASLT 0900 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

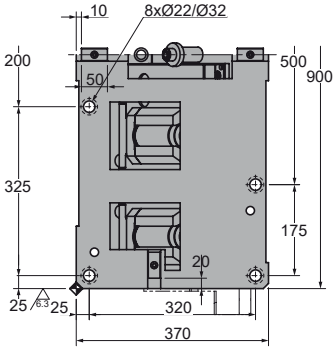
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

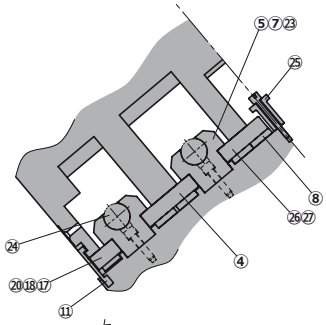
ASLT 0900 - ASLT 1000

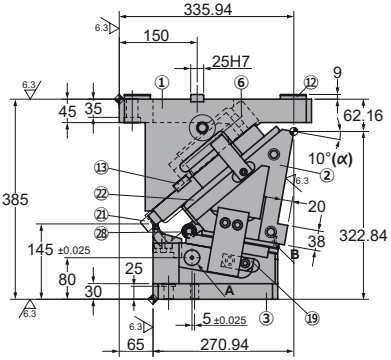
Aerial cam for pierce and flange

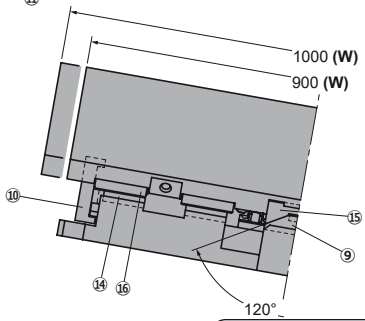
AZOL GAS

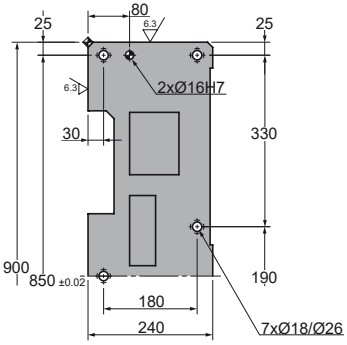
ASLT 0900 10
ASLT 1000 10



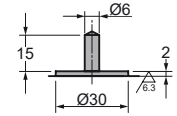




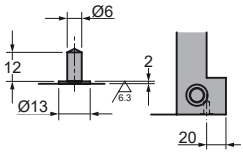




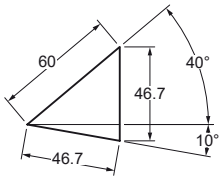
A MEASUREMENT REFERENCE



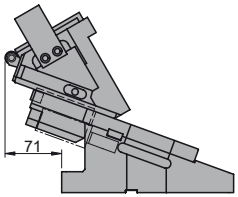
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
46.7	627.2 (63.9)	---	37364.0 (3812.7)	457.7	ASLT	0900	10
				464.6		1000	

Order: Model (W) (α)

ASLT 0900 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

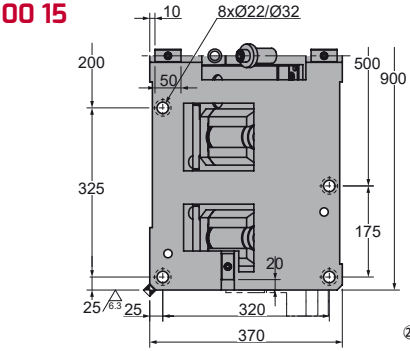
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

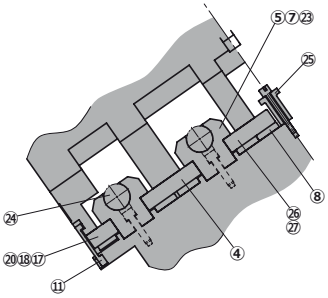
ASLT 0900 - ASLT 1000

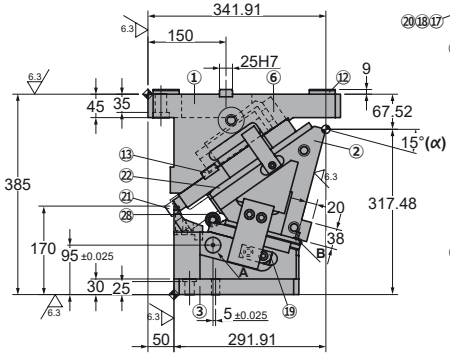
Aerial cam for pierce and flange

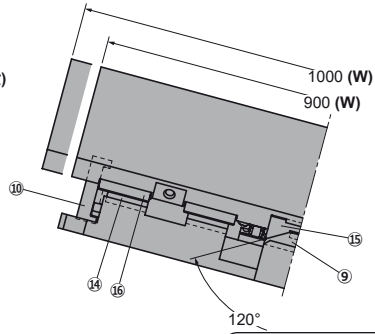
AZOL GAS

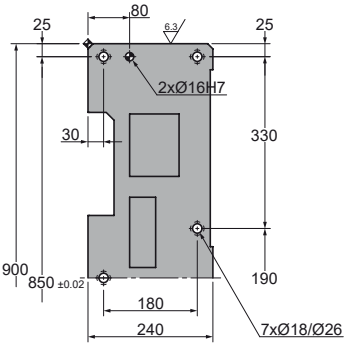
ASLT 0900 15
ASLT 1000 15



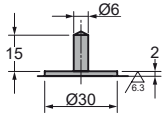




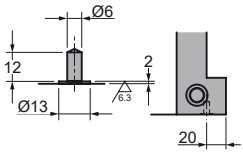




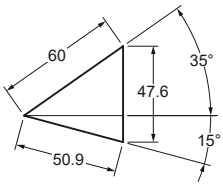
A MEASUREMENT REFERENCE



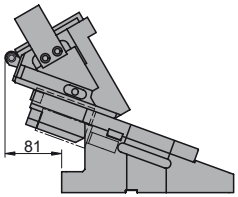
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	627.2 (63.9)	---	37364.0 (3812.7)	457.8	ASLT	0900	15
				464.7		1000	

Order: Model (W) (α)

ASLT 0900 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

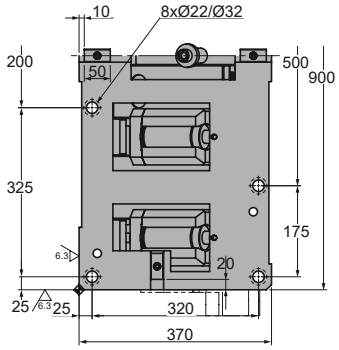
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

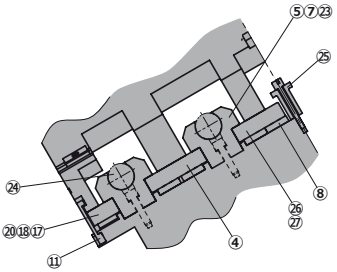
ASLT 0900 - ASLT 1000

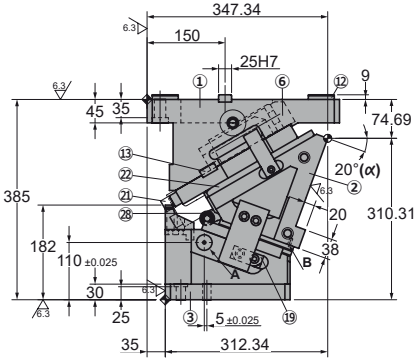
Aerial cam for pierce and flange

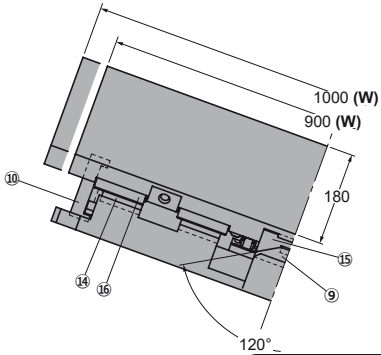
AZOL GAS

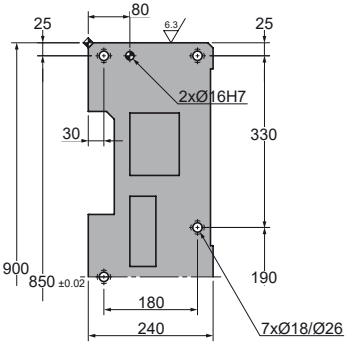
ASLT 0900 20
ASLT 1000 20



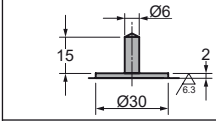




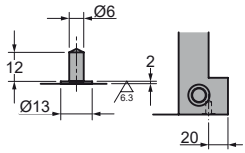




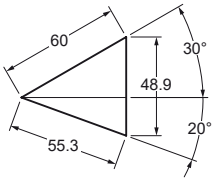
A MEASUREMENT REFERENCE



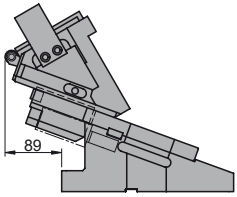
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
55.3	627.2 (63.9)	---	37364.0 (3812.7)	459.7	ASLT	0900	20
				466.5		1000	

Order: Model (W) (α)

ASLT 0900 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

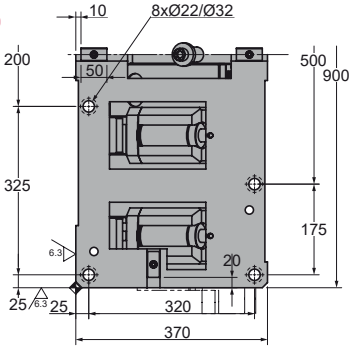
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

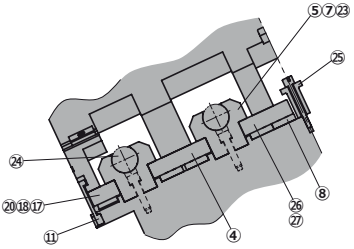
ASLT 0900 - ASLT 1000

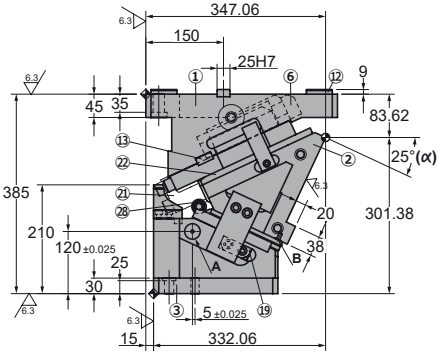
Aerial cam for pierce and flange

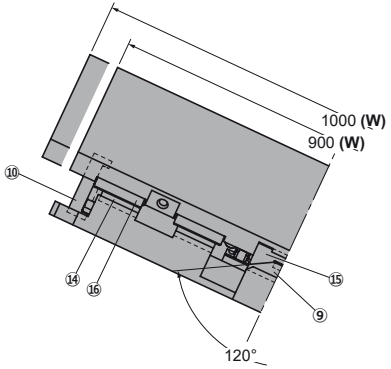
AZOL GAS

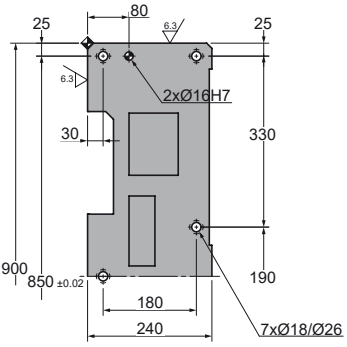
ASLT 0900 25
ASLT 1000 25



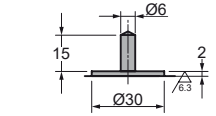




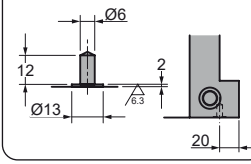




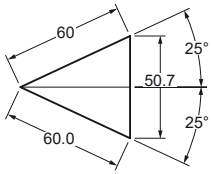
A MEASUREMENT REFERENCE



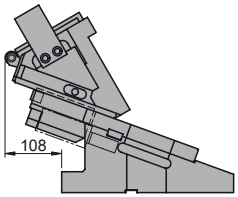
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
60.0	627.2 (63.9)	---	37364.0 (3812.7)	461.5	ASLT	0900	25
				468.4		1000	

Order: Model (W) (α)

ASLT 0900 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

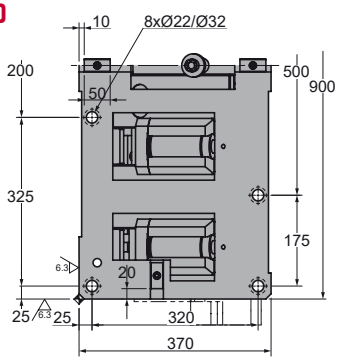
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

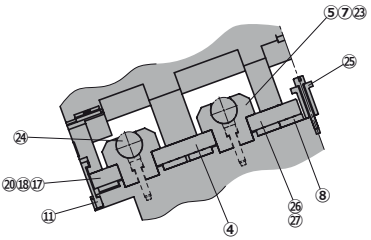
ASLT 0900 - ASLT 1000

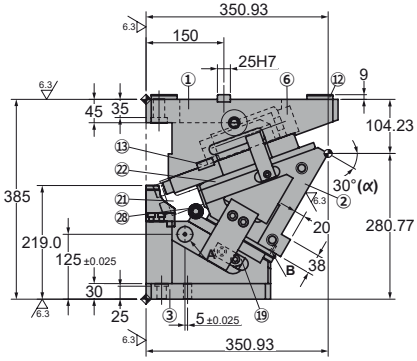
Aerial cam for pierce and flange

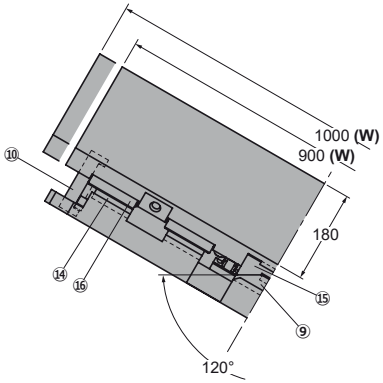
AZOL GAS

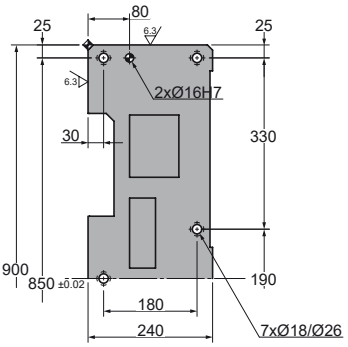
ASLT 0900 30
ASLT 1000 30



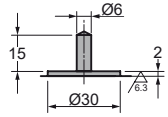




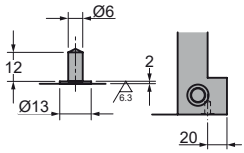




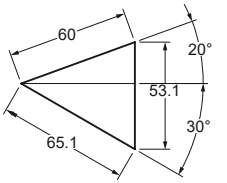
A MEASUREMENT REFERENCE



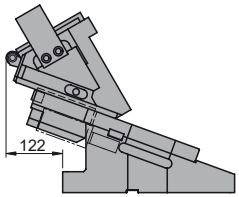
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	627.2 (63.9)	---	37364.0 (3812.7)	467.8	ASLT	0900	30
				474.7		1000	

Order: Model (W) (α)

ASLT 0900 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

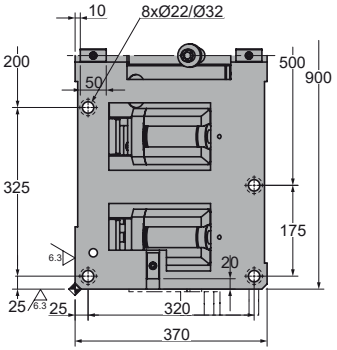
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45
㉘	Roller Block (roller)	2	----

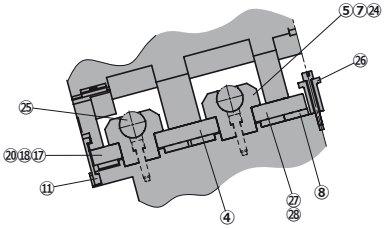
ASLT 0900 - ASLT 1000

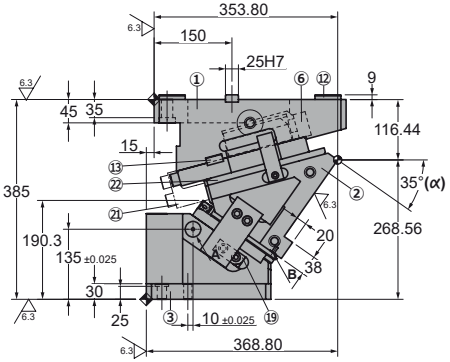
Aerial cam for pierce and flange

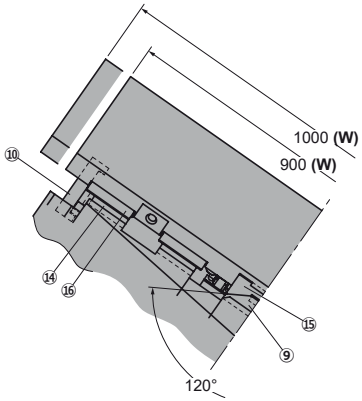
AZOL GAS

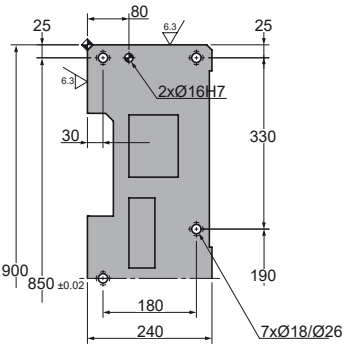
ASLT 0900 35
ASLT 1000 35



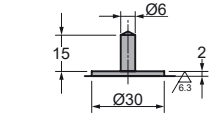




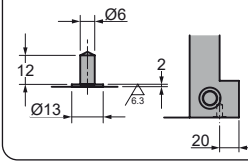




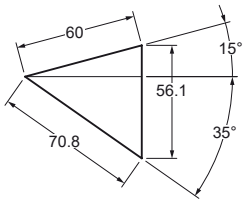
A MEASUREMENT REFERENCE



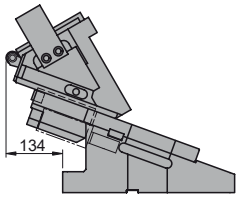
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	627.2 (63.9)	---	37364.0 (3812.7)	478.9	ASLT	0900	35
				485.8		1000	

Order: Model (W) (α)

ASLT 0900 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

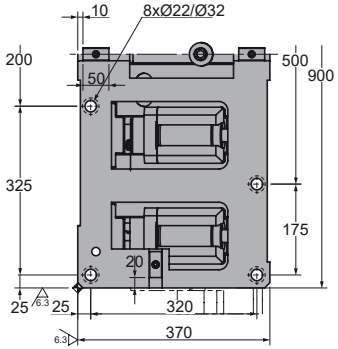
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

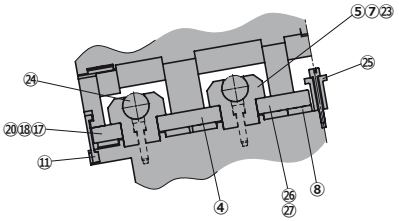
ASLT 0900 - ASLT 1000

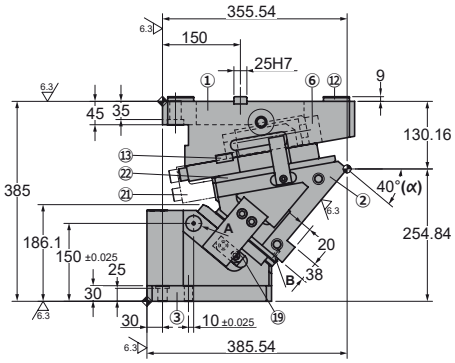
Aerial cam for pierce and flange

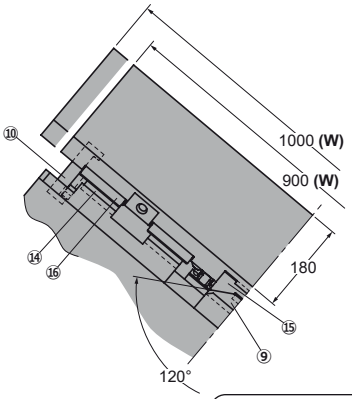
AZOL GAS

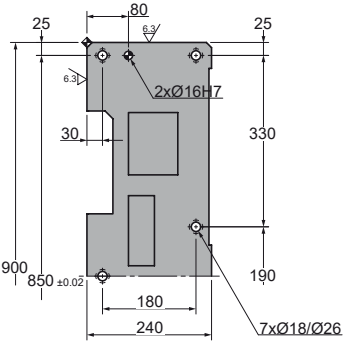
ASLT 0900 40
ASLT 1000 40



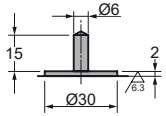




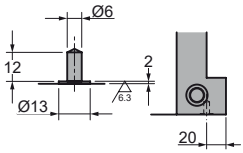




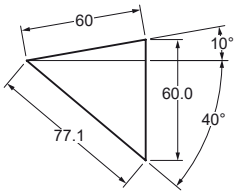
A MEASUREMENT REFERENCE



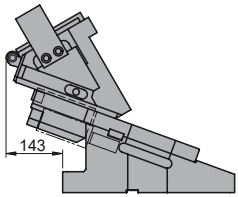
B MEASUREMENT REFERENCE



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	627.2 (63.9)	---	37364.0 (3812.7)	487.3	ASLT	0900	40
				494.2		1000	

Order: Model (W) (α)

ASLT 0900 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

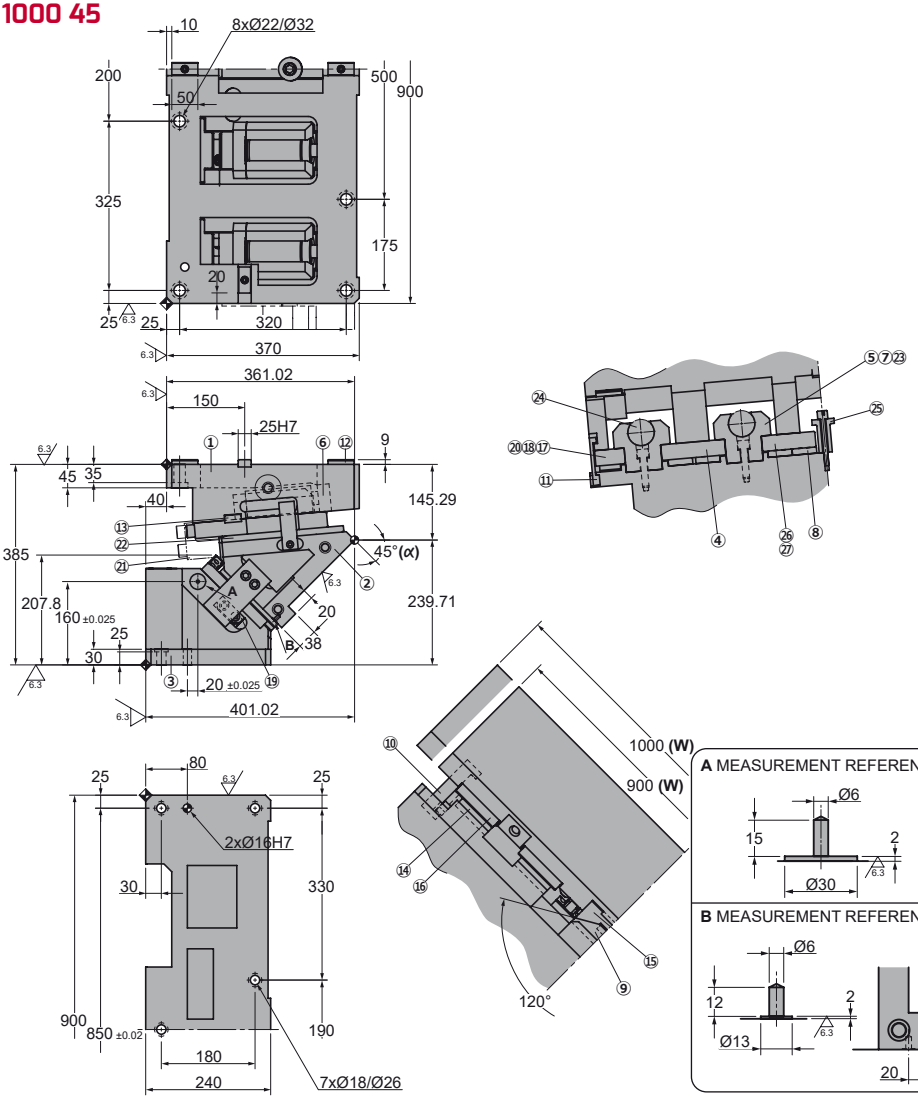
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

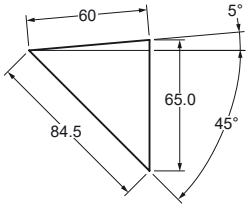
Aerial cam for pierce and flange

AZOL GAS

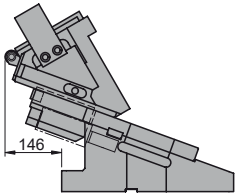
ASLT 0900 45
ASLT 1000 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	627.2 (63.9)	---	37364.0 (3812.7)	499.4	ASLT	0900	45
				506.3		1000	

Order: Model (W) (α)

ASLT 0900 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

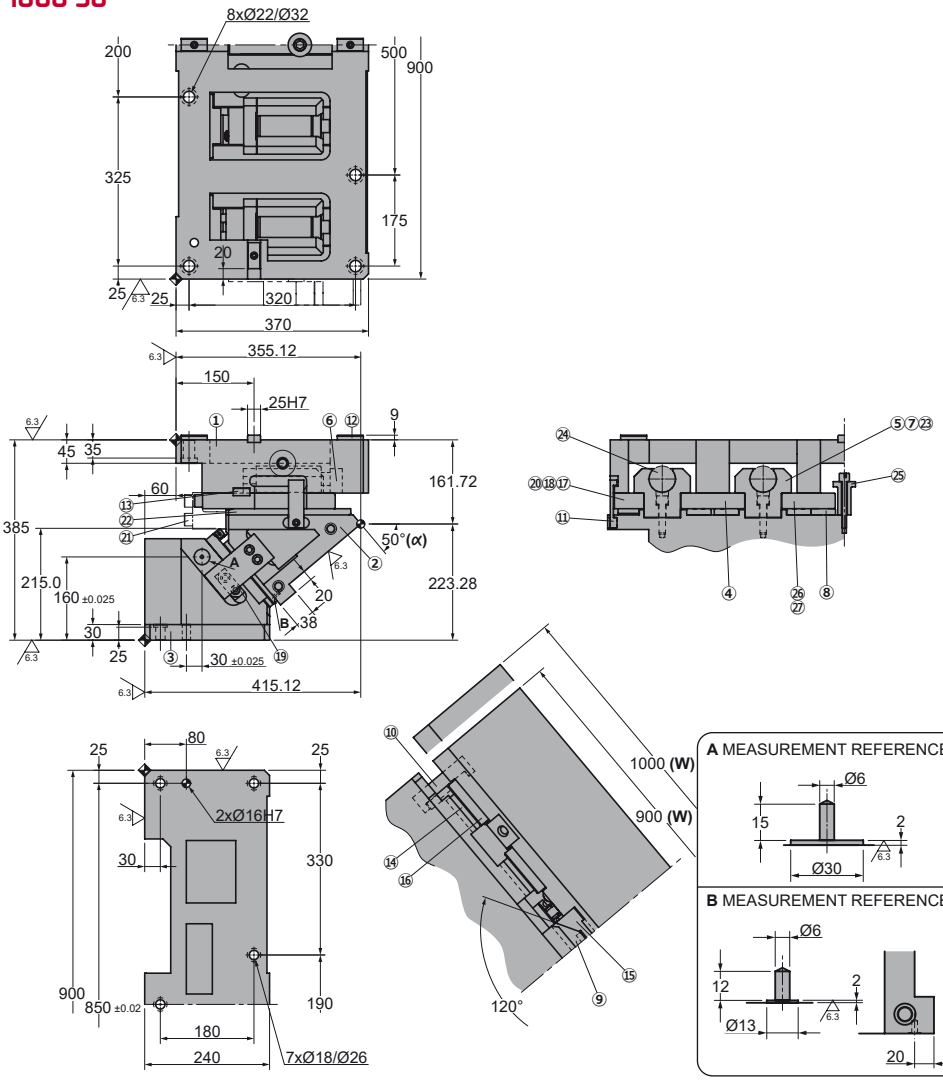
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

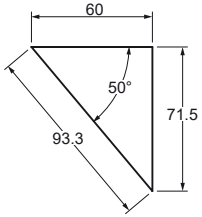
Aerial cam for pierce and flange

AZOL GAS

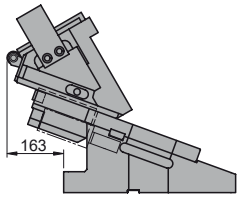
ASLT 0900 50
ASLT 1000 50



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	627.2 (63.9)	---	37364.0 (3812.7)	498.4	ASLT	0900	50
				505.3		1000	

Order: Model (W) (α)

ASLT 0900 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

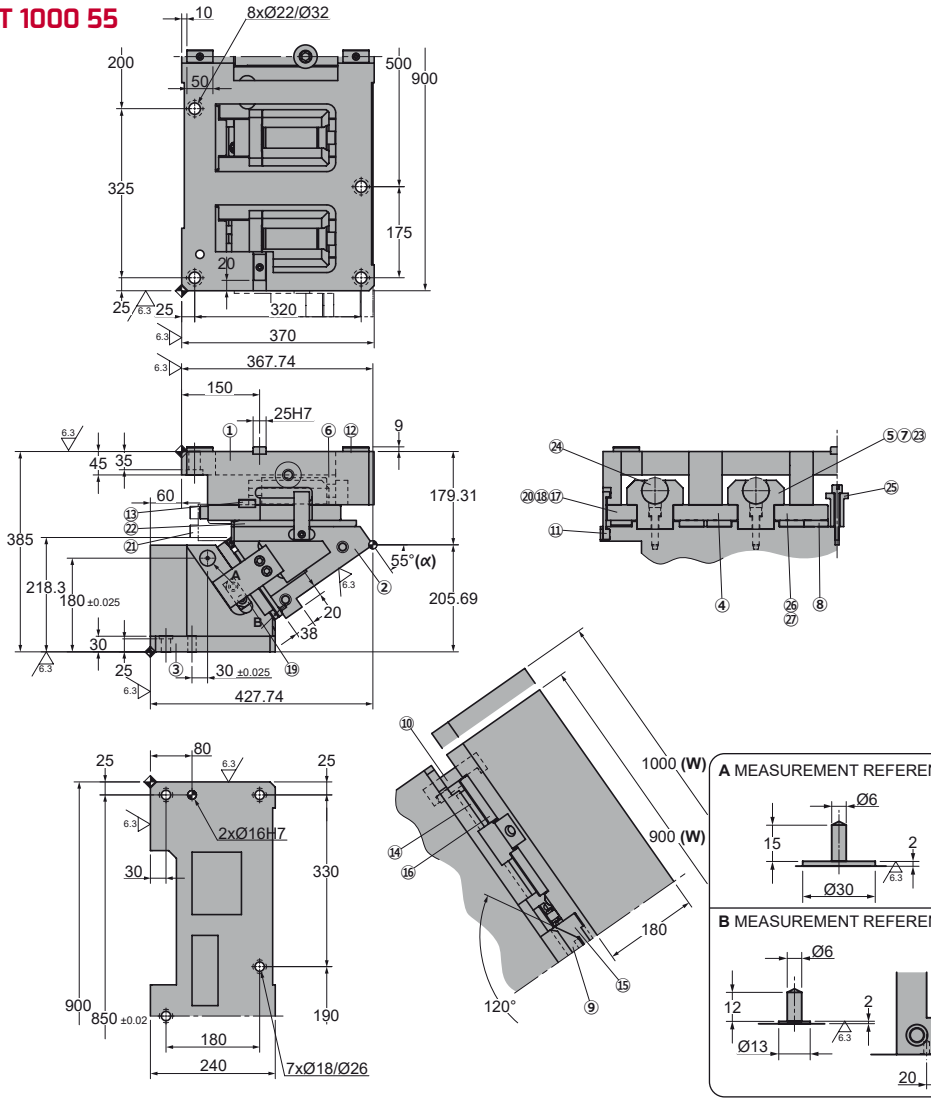
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

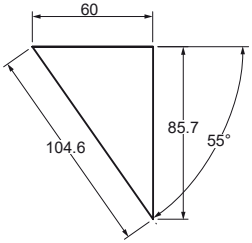
Aerial cam for pierce and flange

AZOL GAS

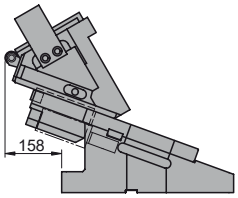
ASLT 0900 55
ASLT 1000 55



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	627.2 (63.9)	---	37364.0 (3812.7)	519.2	ASLT	0900	55
				526.9		1000	

Order: Model (W) (α)

ASLT 0900 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

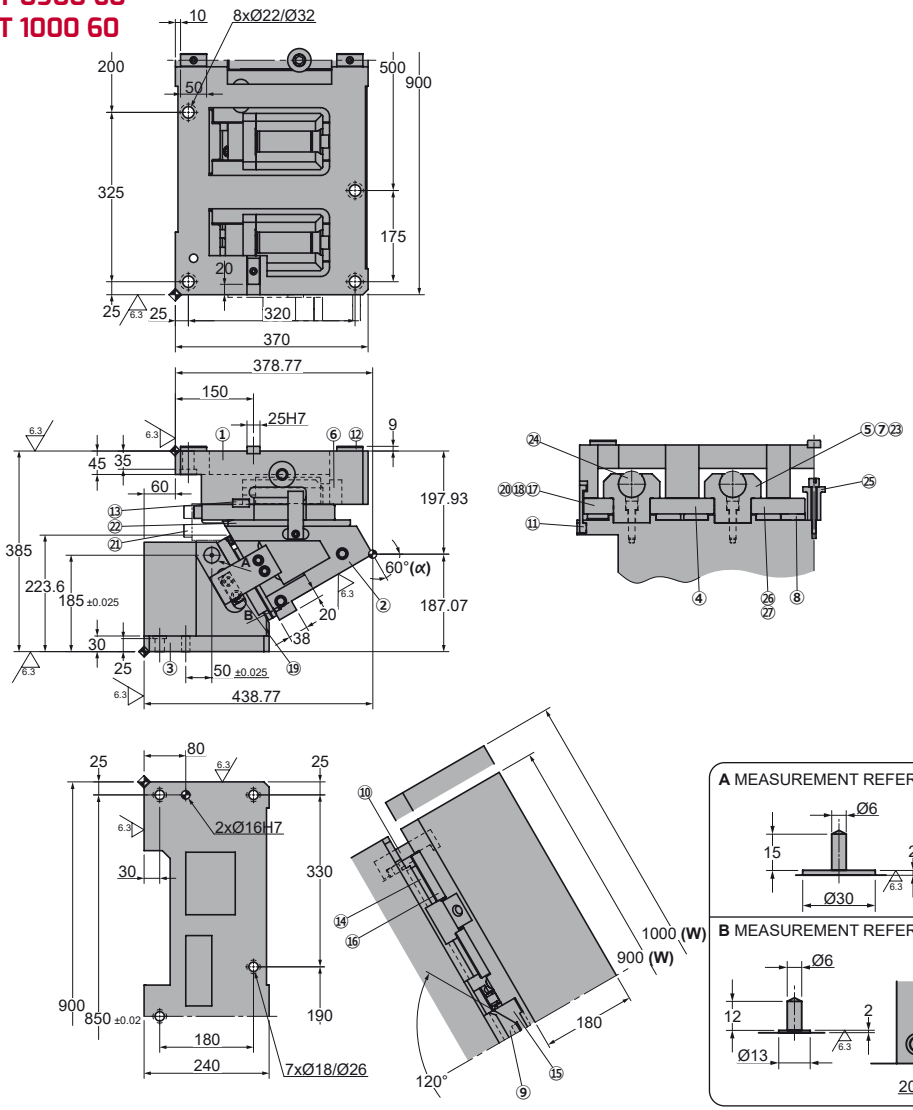
No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

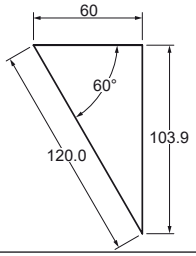
Aerial cam for pierce and flange

AZOL GAS

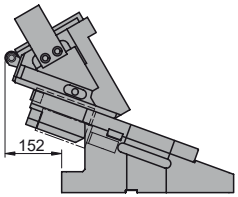
ASLT 0900 60
ASLT 1000 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ASLT 0900 - ASLT 1000

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	627.2 (63.9)	---	37364.0 (3812.7)	535.2	ASLT	0900	60
				543.1		1000	

Order: Model (W) (α)

ASLT 0900 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

⑤ Spring Guide
⑨ Lower Slide Guide
⑭ Slider Plate 2
⑲ Positive Return Guide
㉒ Slider Plate 3
㉔ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Upper Plate 1	2	CK45
⑤	Spring Guide	4	Bronze + G
⑥	Spring Spacer	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Slider Plate 1	8	Bronze + G
⑨	Lower Slide Guide	1	Bronze + G
⑩	Positive Return	2	CK45
⑪	Security Plate	2	CK45
⑫	Key 1	4	CK45
⑬	Key 2	6	CK45
⑭	Slider Plate 2	4	Bronze + G
⑮	Upper Slide Guide	1	CK45

No.	Description	Qty.	Material
⑯	Guide Plate 2	4	CK45
⑰	Upper Plate 2 - Right	1	CK45
⑱	Upper Plate 2 - Left	1	CK45
⑲	Positive Return Guide	2	Bronze + G
⑳	Stopper Plate	4	CK22
㉑	Locking plate	2	CK45
㉒	Slider Plate 3	2	Bronze + G
㉓	Cushioning Stopper	8	Urethane
㉔	Gas Spring	4	FD 750 R63 V1
㉕	Security Dowel Pin	1	CK45
㉖	Upper Plate 3 - Right	1	CK45
㉗	Upper Plate 3 - Left	1	CK45

ASLT 0900 - ASLT 1000

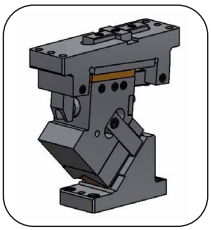
Aerial cam for pierce and flange

AZOL GAS

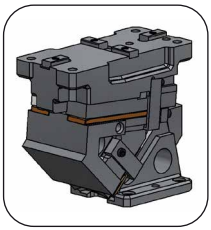
ANRP

Aerial cam for pierce and flange

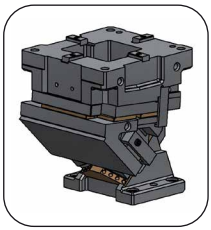
General information



ANRP 0070
ANRP 0080



ANRP 0165
ANRP 0200

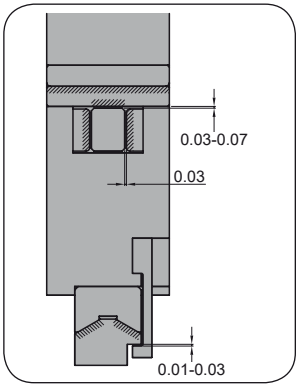


ANRP 0300
ANRP 0400

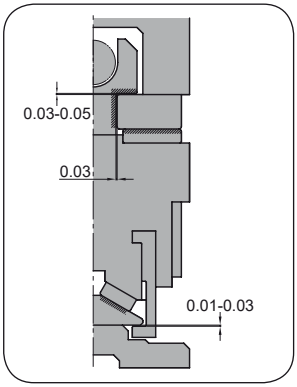
- Aerial cam.
- Angles from 0° to 60° with increments of 5°.
- "V" shaped sliding for auto-centered.
- Optional gas spring.
- According to NAAMS.

Adjustment clearances

ANRP 0070 / 0080



ANRP 0165 / 0200



ANRP

Aerial cam for pierce and flange

AZOL GAS

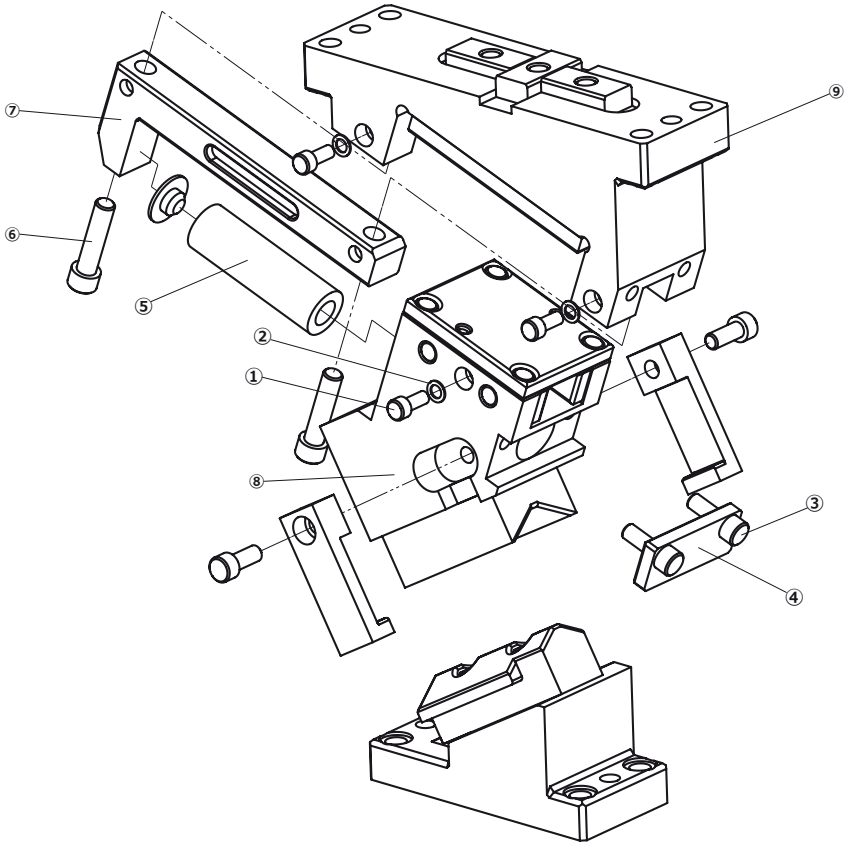
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove the washer ②.
- Remove screw ③, stopper plate ④ and extract gas spring ⑤.
- Unscrew ⑥ pieces and remove the guide bar ⑦ from cam holder ⑨.
- Drag guide bar through cam holder.

Assembling process

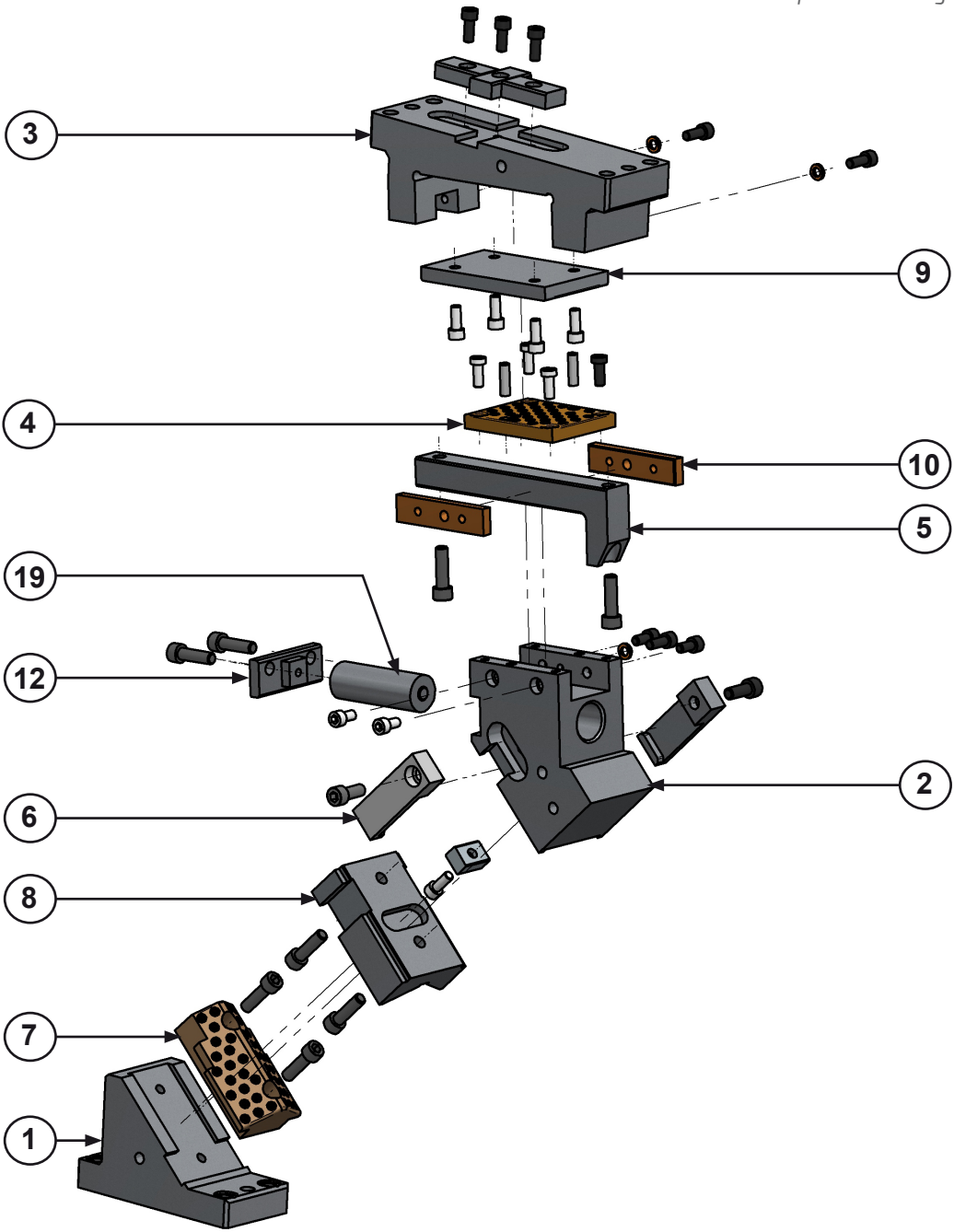
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

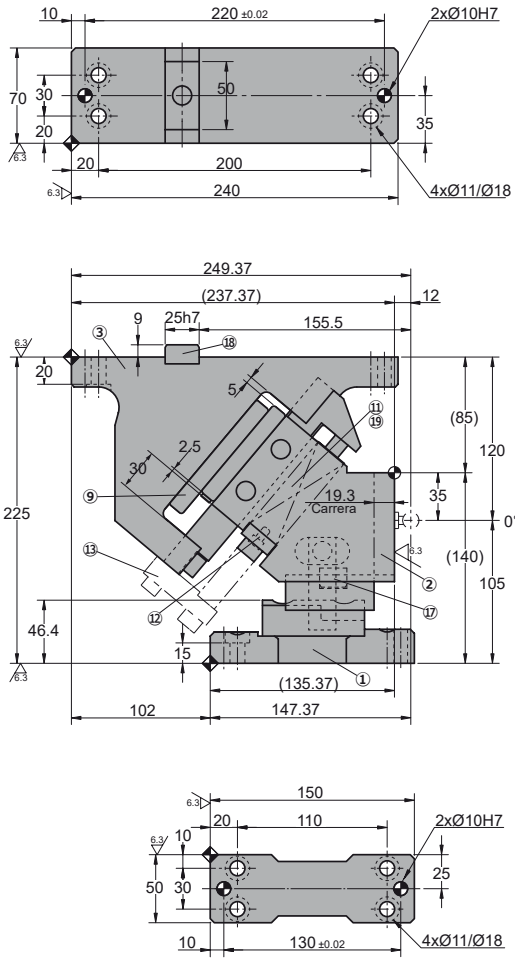


ANRP 0070

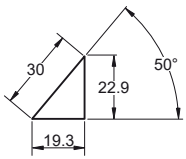
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
19.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	16.1	ANRP	0070	00
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 00-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

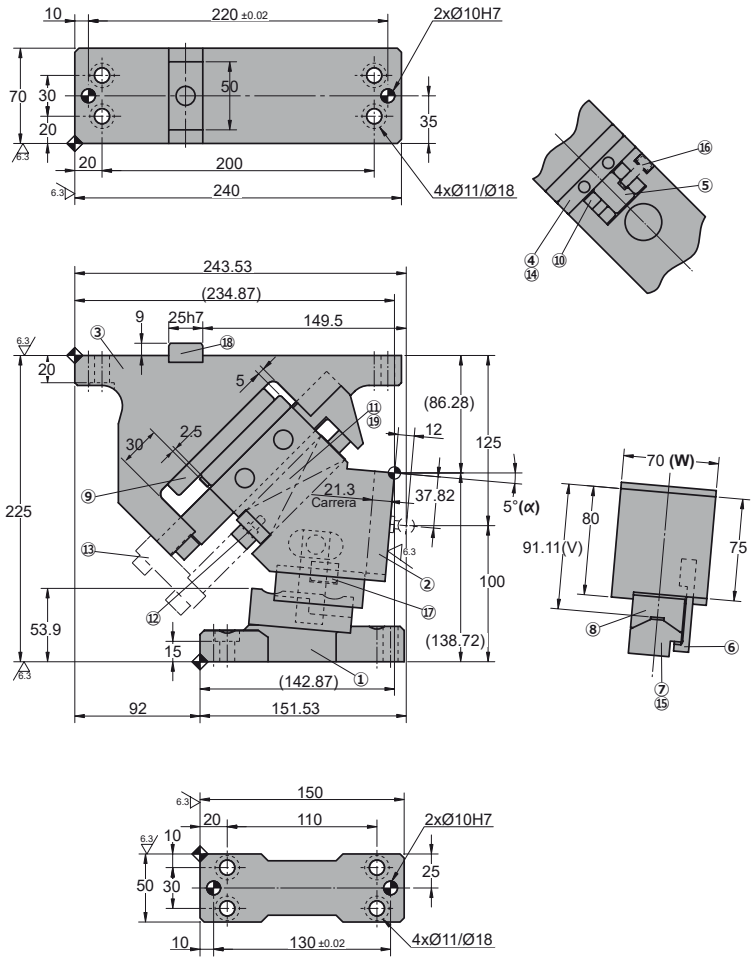
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

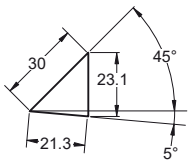
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 05



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
21.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	15.4	ANRP	0070	05
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 05-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

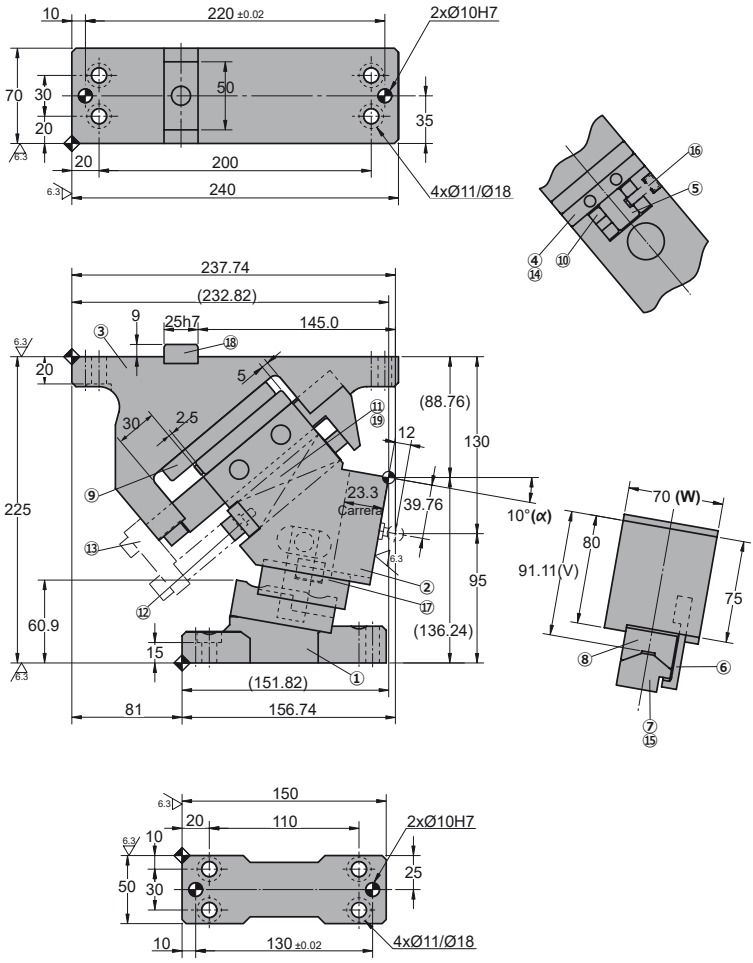
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

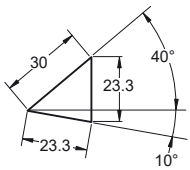
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 10



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.8	ANRP	0070	10
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 10-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

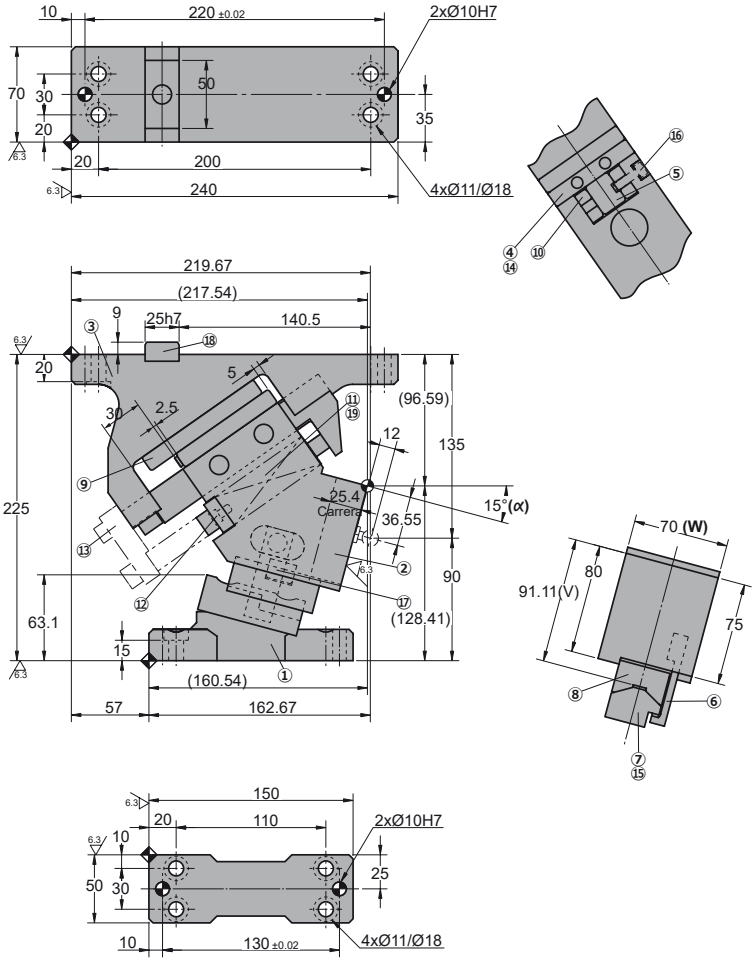
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

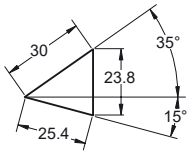
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 15



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
25.4	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.1	ANRP	0070	15
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 15-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

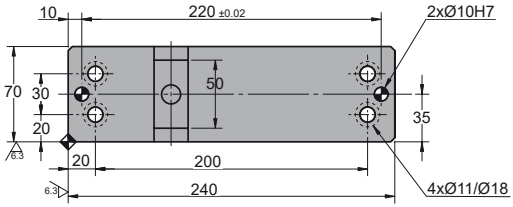
⑲	Gas Spring	1	AFC 150 038

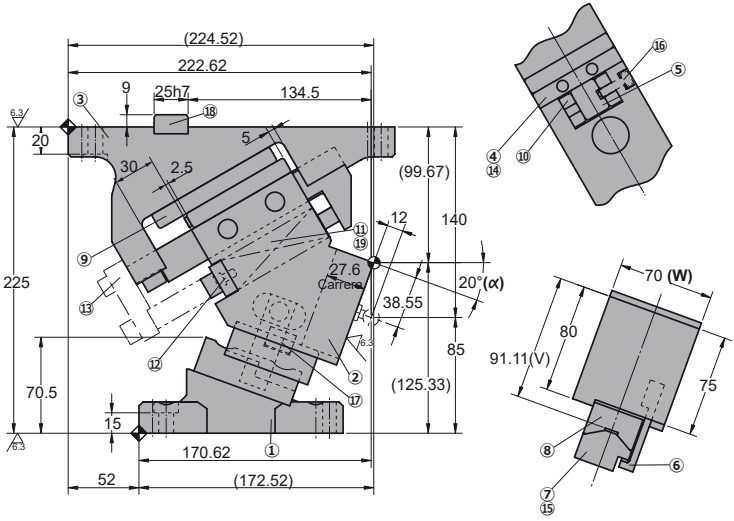
ANRP 0070

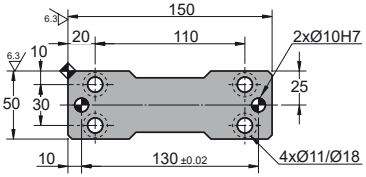
Aerial cam for pierce and flange

AZOL GAS

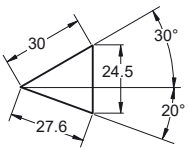
ANRP 0070 20







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
27.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.1	ANRP	0070	20
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 20-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

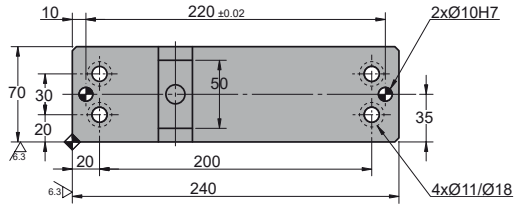
⑲	Gas Spring	1	AFC 150 038

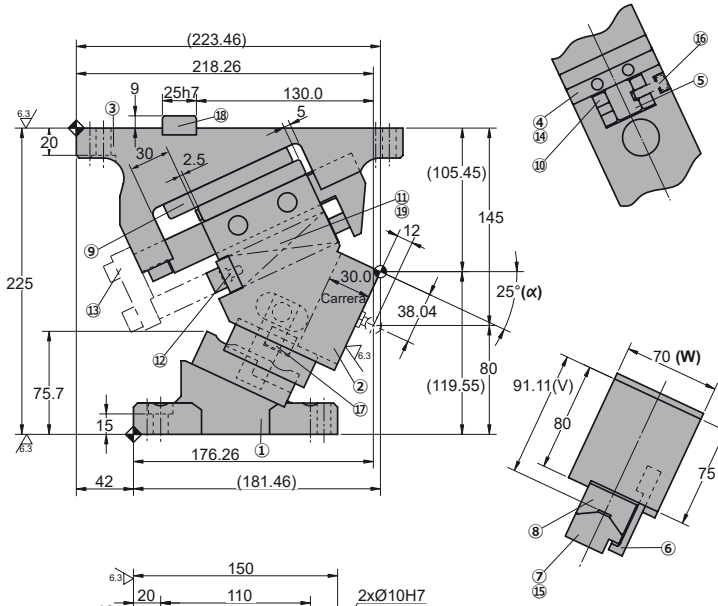
ANRP 0070

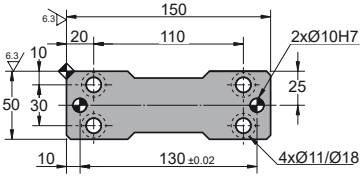
Aerial cam for pierce and flange

AZOL GAS

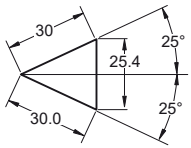
ANRP 0070 25







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.0	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	14.0	ANRP	0070	25
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 25-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

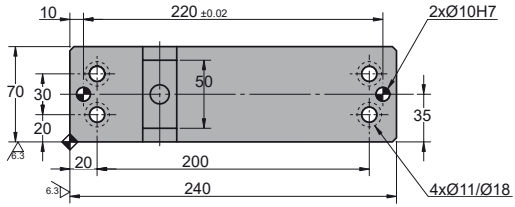
⑲	Gas Spring	1	AFC 150 038

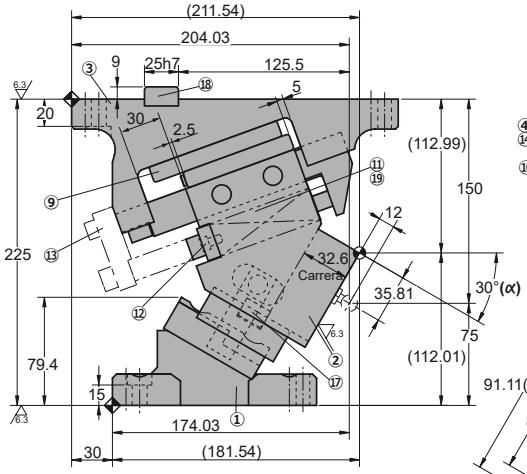
ANRP 0070

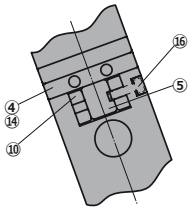
Aerial cam for pierce and flange

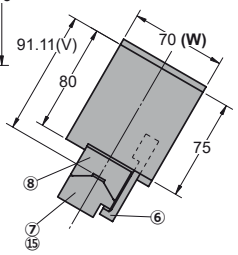
AZOL GAS

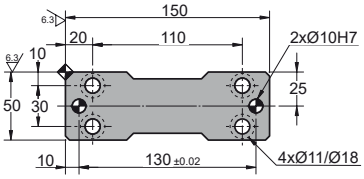
ANRP 0070 30



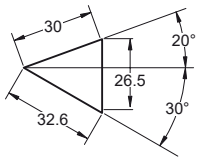








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	30
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 30-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

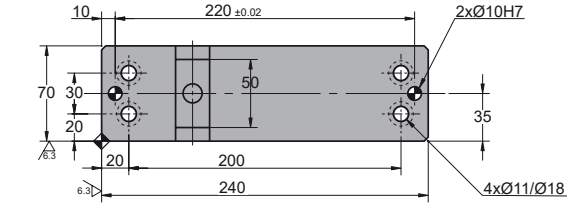
⑲	Gas Spring	1	AFC 150 038

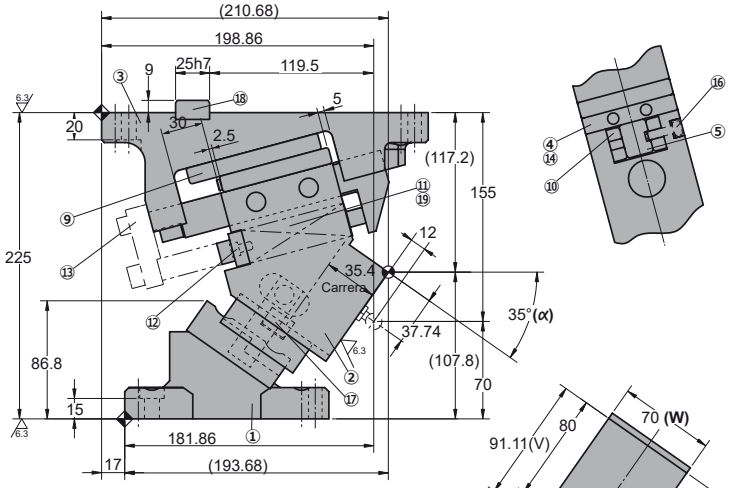
ANRP 0070

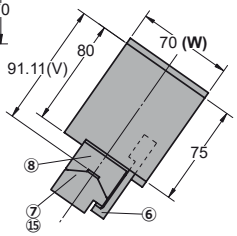
Aerial cam for pierce and flange

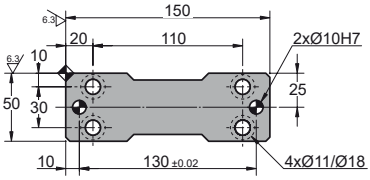
AZOL GAS

ANRP 0070 35

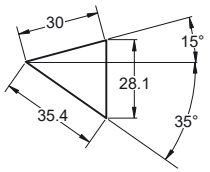








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.7	ANRP	0070	35
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 35-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

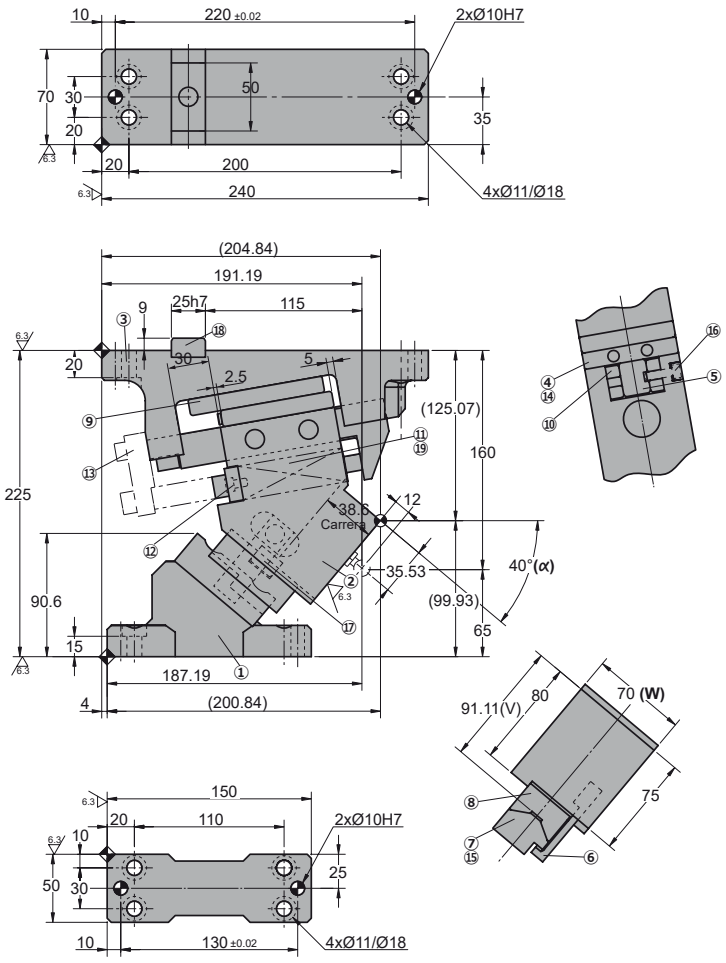
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

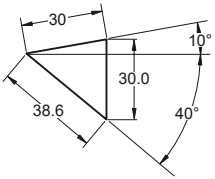
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 40



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	40
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 40-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

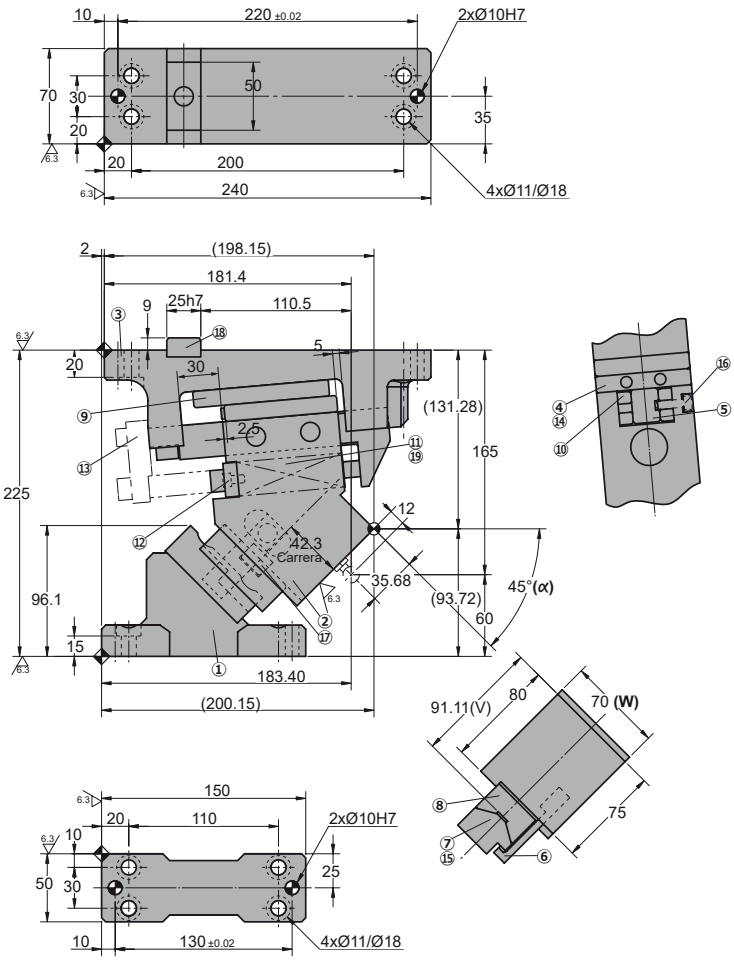
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

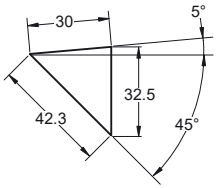
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 45



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.8	ANRP	0070	45
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 45-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

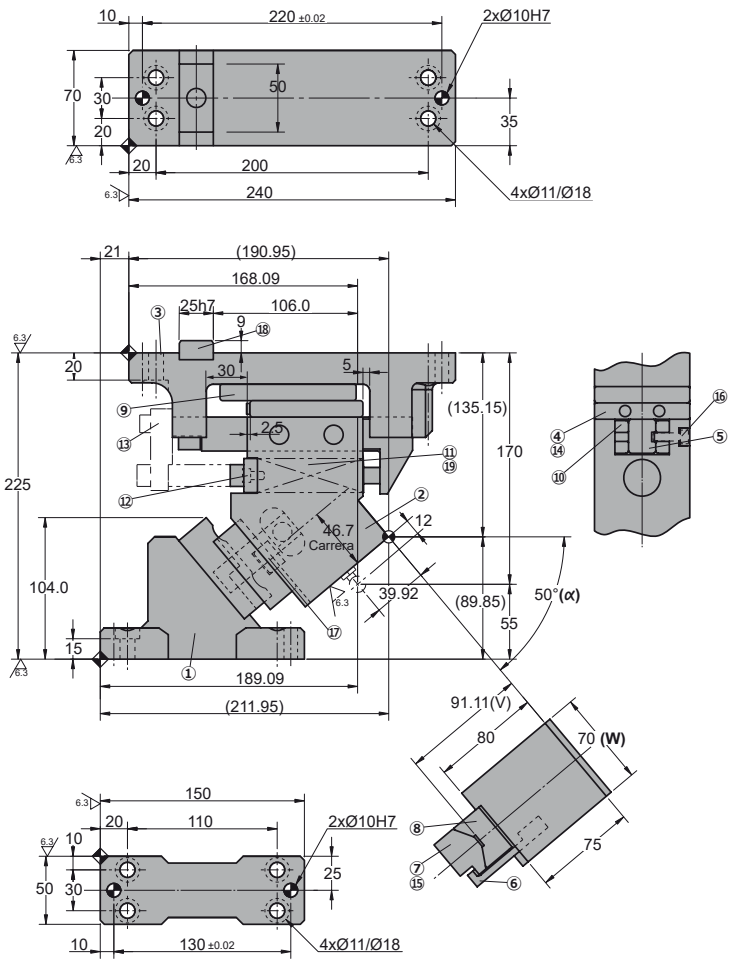
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

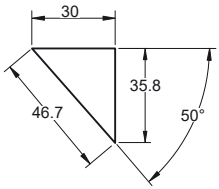
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	98.1 (10.0)	88.2 (9.0)	676.2 (69.0)	13.9	ANRP	0070	50
		G ---	G 2058.4 (209.9)				

Order: Model (W) (α)

ANRP 0070 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 50-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

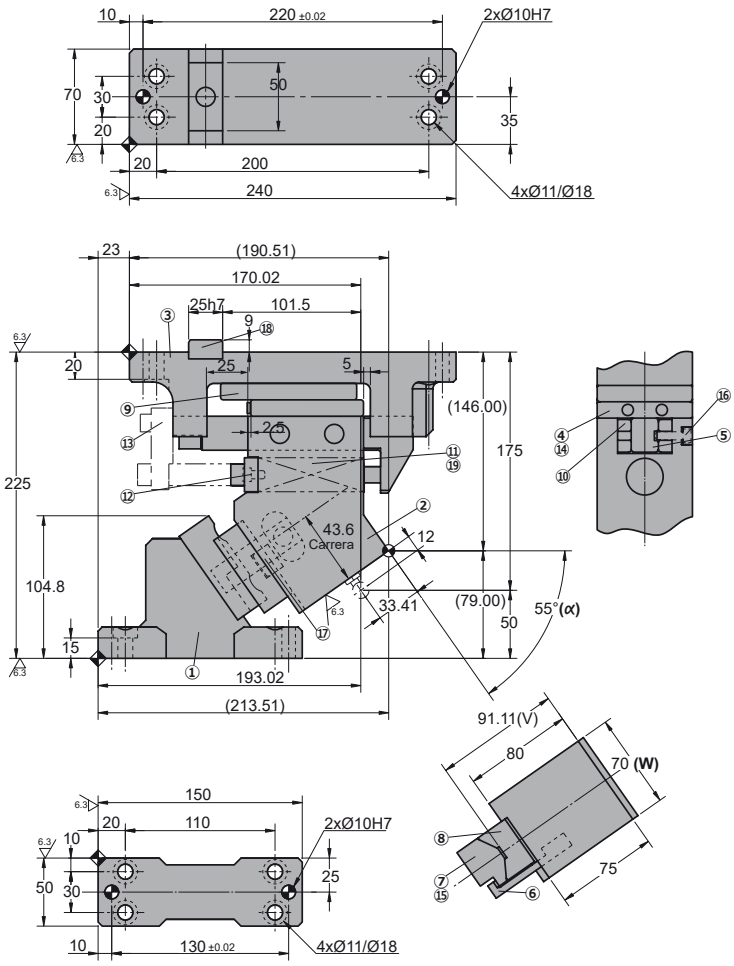
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

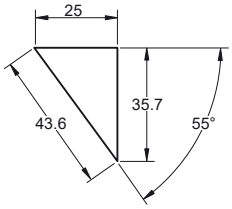
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 55



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
43.6	98.1 (10.0)	88.2 (9.0)	578.2 (59.0)	14.1	ANRP	0070	55
		G ---	G 1938.1 (197.7)				

Order: Model (W) (α)

ANRP 0070 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 55-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑲ Coil Spring
- ⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

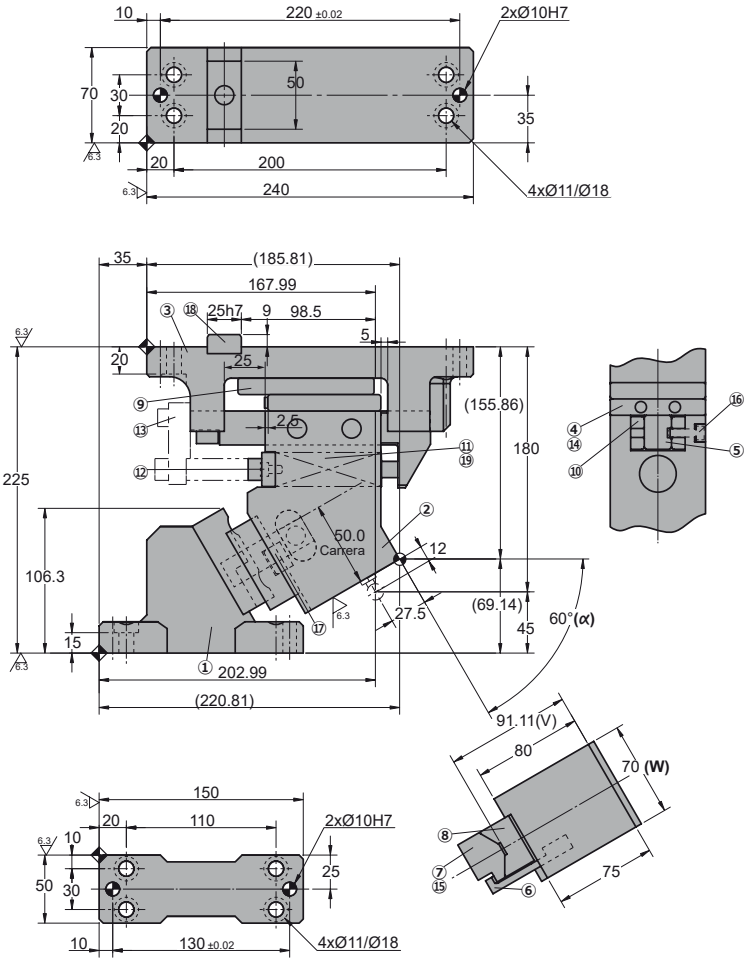
⑲	Gas Spring	1	AFC 150 038

ANRP 0070

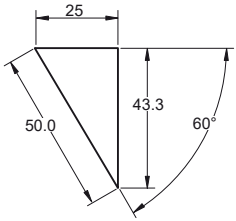
Aerial cam for pierce and flange

AZOL GAS

ANRP 0070 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0070

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	98.1 (10.0)	88.2 (9.0)	578.2 (59.0)	14.5	ANRP	0070	60
		G ---	G 1938.1 (197.7)				

Order: Model (W) (α)

ANRP 0070 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G GAS SPRING

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0070 60-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑲ Coil Spring
⑲ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	1	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Stopper	2	Urethane
⑮	Dowel Pin	1	Ø8x25
⑯	Elastic Ring	1	L=12.5
⑰	Key A	1	CK45
⑱	Key B	1	CK45
⑲	Coil Spring	1	TJL25-115

⑲	Gas Spring	1	AFC 150 038

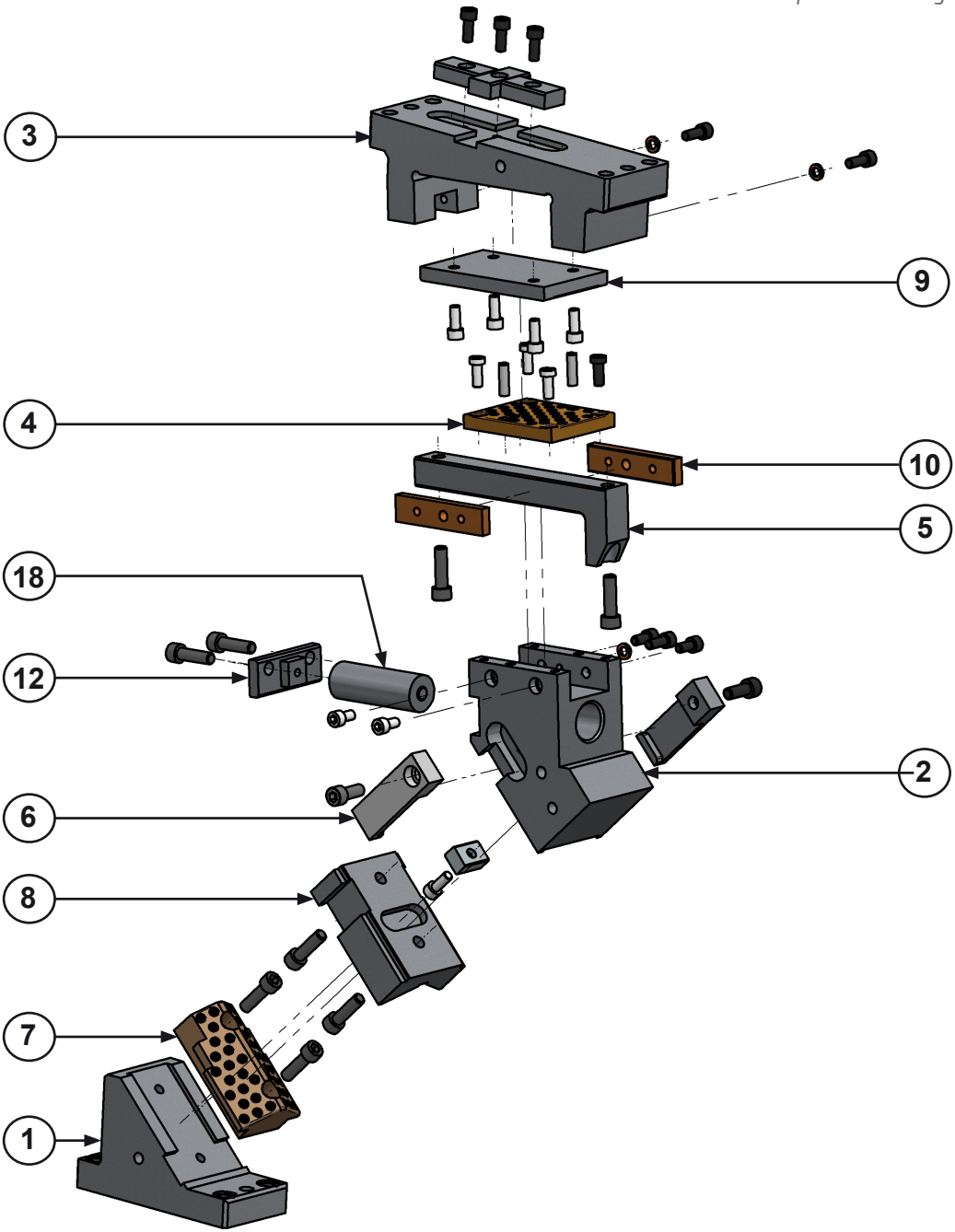
ANRP 0070

Aerial cam for pierce and flange

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

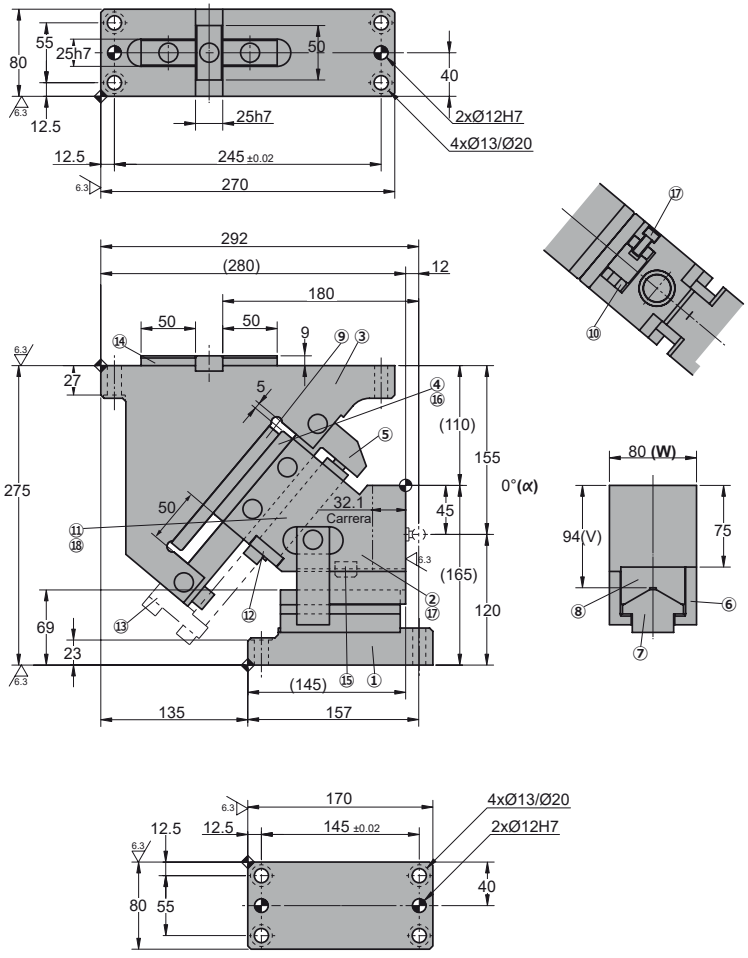


ANRP 0080

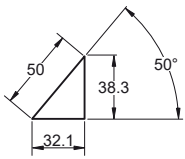
Aerial cam for pierce and flange

AZOL GAS

ANRP 0080 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	27.9	ANRP	0080	00
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 00-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

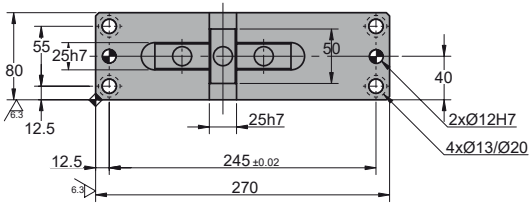
⑱	Gas Spring	1	AG 150 050

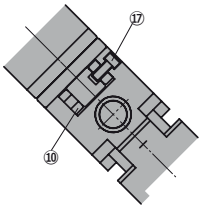
ANRP 0080

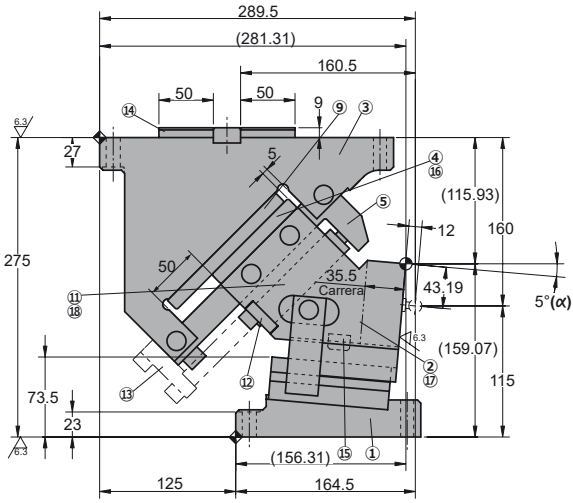
Aerial cam for pierce and flange

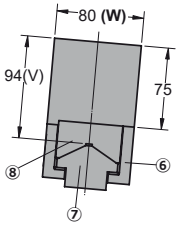
AZOL GAS

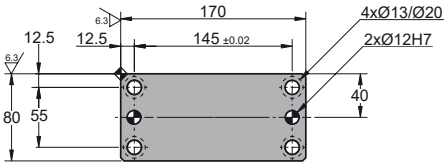
ANRP 0080 05



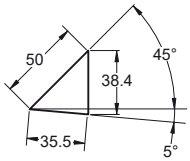








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	27.5	ANRP	0080	05
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 05-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

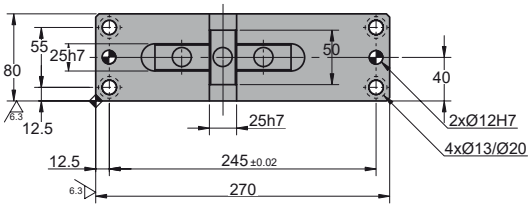
⑱	Gas Spring	1	AG 150 050

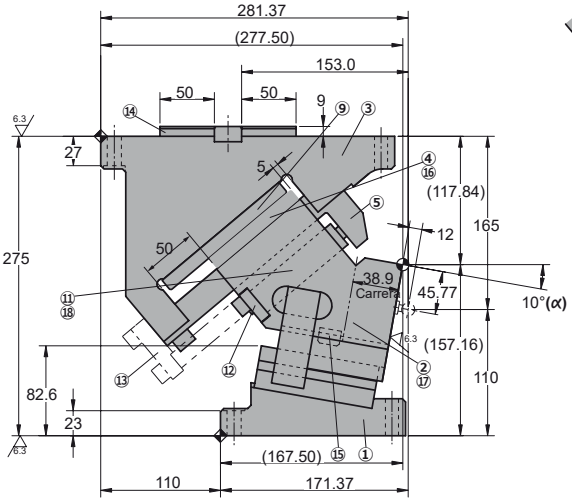
ANRP 0080

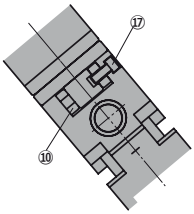
Aerial cam for pierce and flange

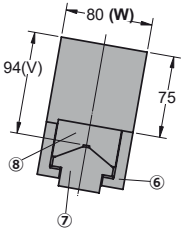
AZOL GAS

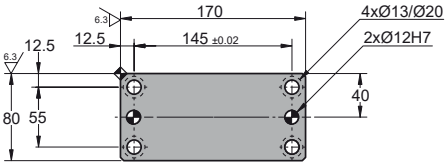
ANRP 0080 10



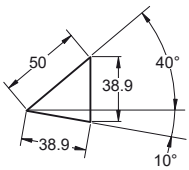








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.9	ANRP	0080	10
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 10-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑱ Coil Spring
⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

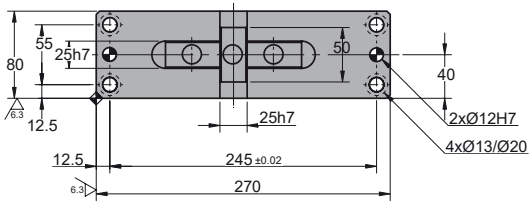
⑱	Gas Spring	1	AG 150 050

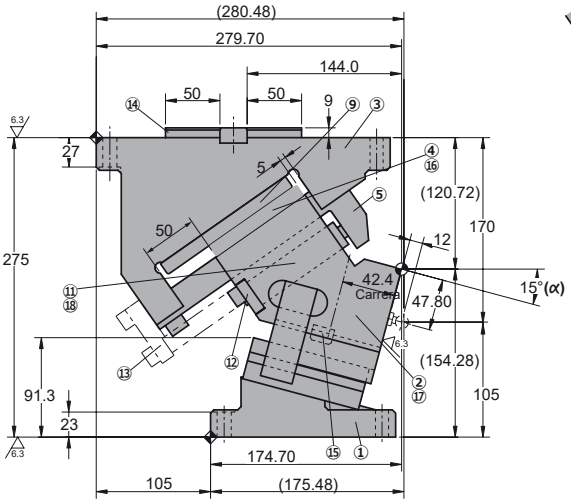
ANRP 0080

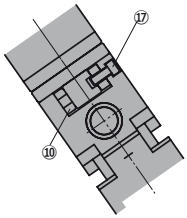
Aerial cam for pierce and flange

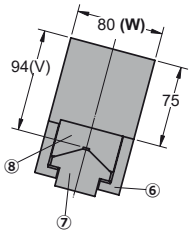
AZOL GAS

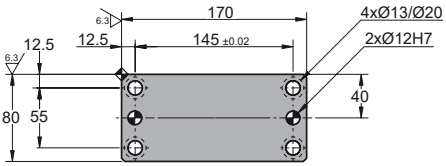
ANRP 0080 15



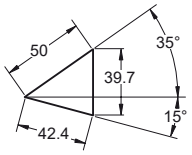








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.5	ANRP	0080	15
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 15-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

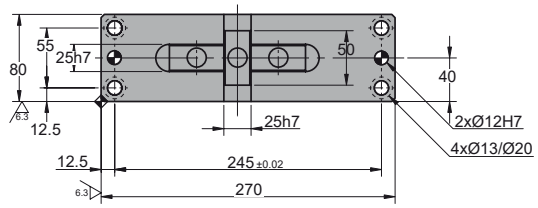
⑱	Gas Spring	1	AG 150 050

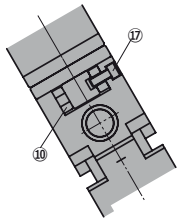
ANRP 0080

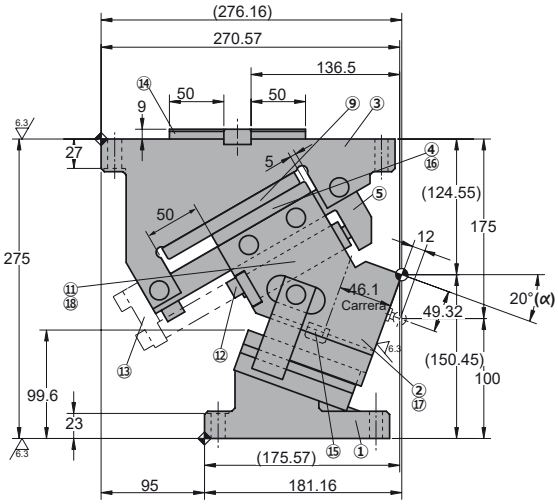
Aerial cam for pierce and flange

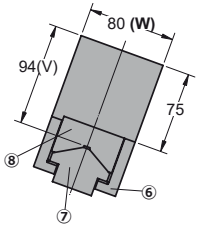
AZOL GAS

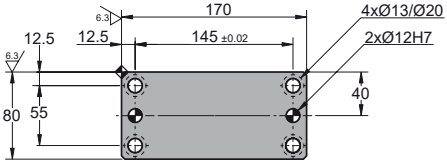
ANRP 0080 20



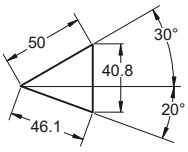








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	26.0	ANRP	0080	20
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 20-G

SPARE PARTS:

④ Slider Plate A
⑦ Slide Guide A
⑩ Slider Plate B
⑱ Coil Spring
⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

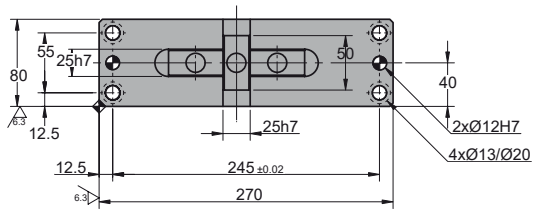
⑱	Gas Spring	1	AG 150 050

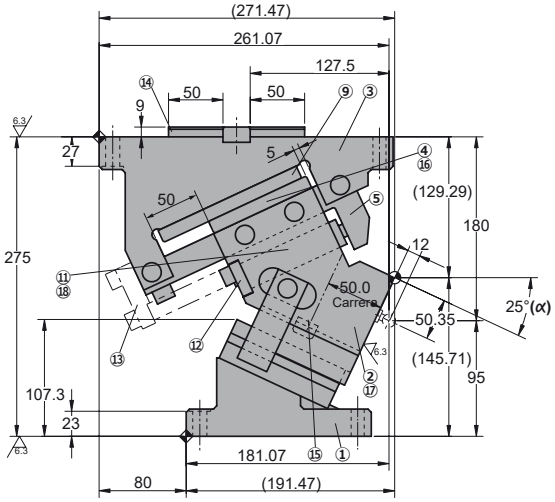
ANRP 0080

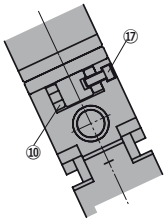
Aerial cam for pierce and flange

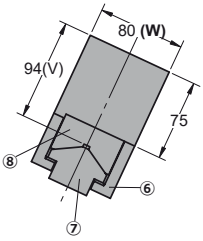
AZOL GAS

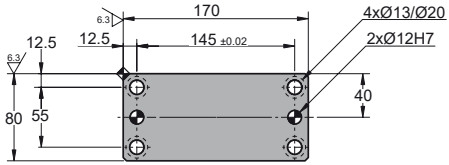
ANRP 0080 25



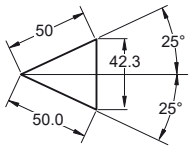








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.9	ANRP	0080	25
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 25-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

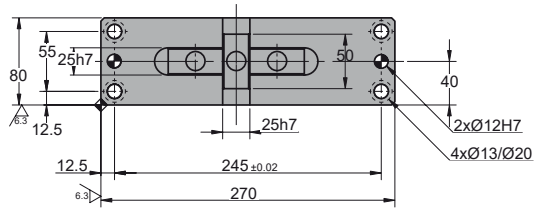
⑱	Gas Spring	1	AG 150 050

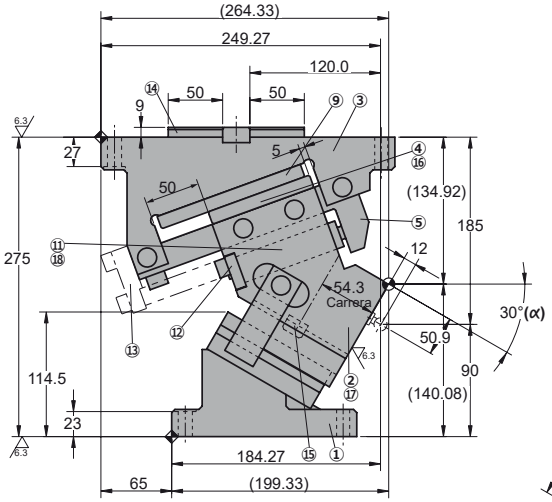
ANRP 0080

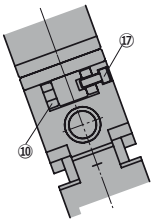
Aerial cam for pierce and flange

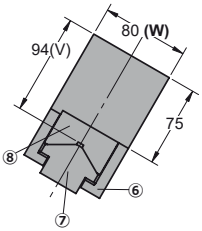
AZOL GAS

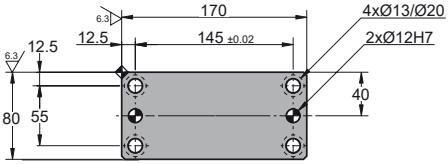
ANRP 0080 30



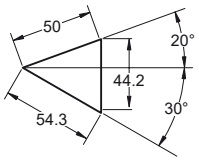








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.3	ANRP	0080	30
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 30-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

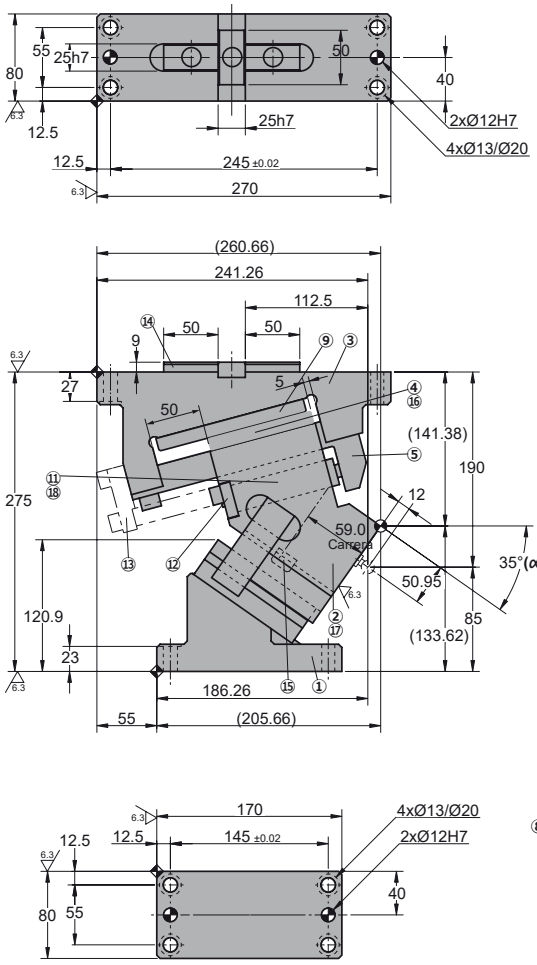
⑱	Gas Spring	1	AG 150 050

ANRP 0080

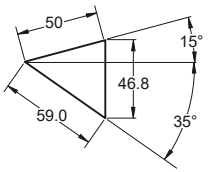
Aerial cam for pierce and flange

AZOL GAS

ANRP 0080 35



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	25.0	ANRP	0080	35
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 35-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

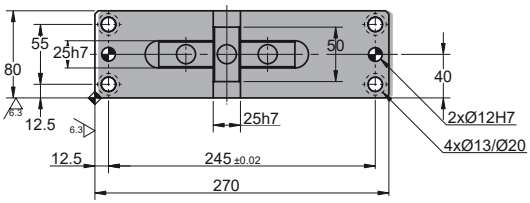
⑱	Gas Spring	1	AG 150 050

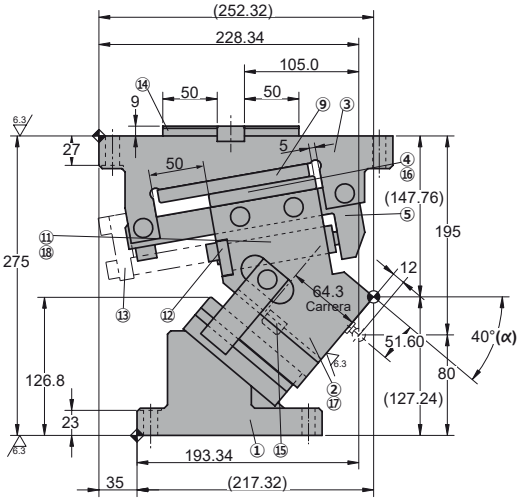
ANRP 0080

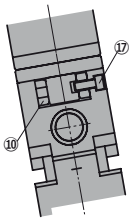
Aerial cam for pierce and flange

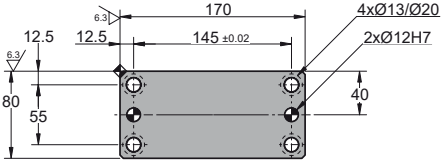
AZOL GAS

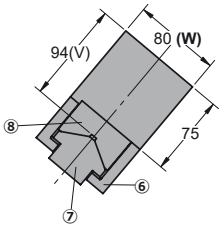
ANRP 0080 40



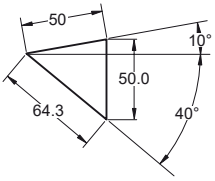








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.7	ANRP	0080	40
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 40-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

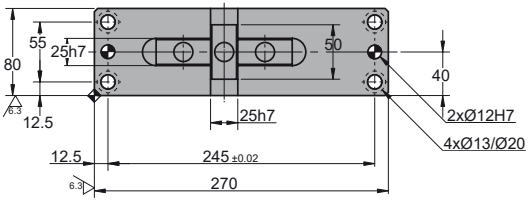
⑱	Gas Spring	1	AG 150 050

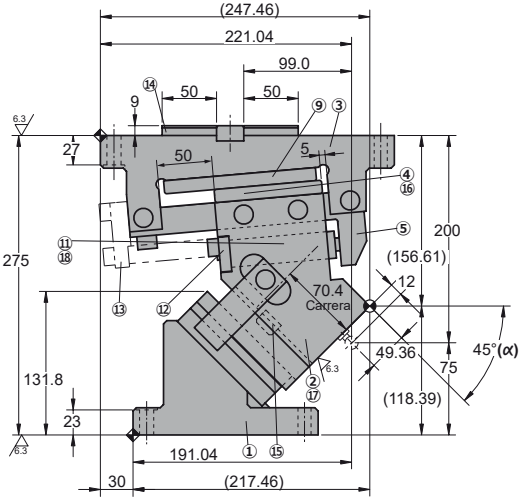
ANRP 0080

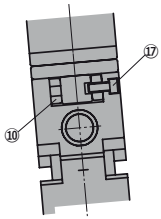
Aerial cam for pierce and flange

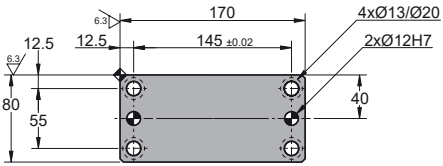
AZOL GAS

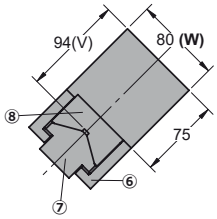
ANRP 0080 45



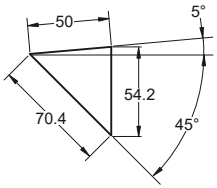








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.7	ANRP	0080	45
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G GAS SPRING

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 45-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

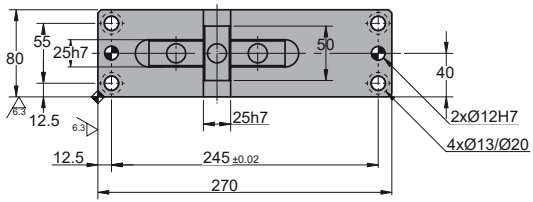
⑱	Gas Spring	1	AG 150 050

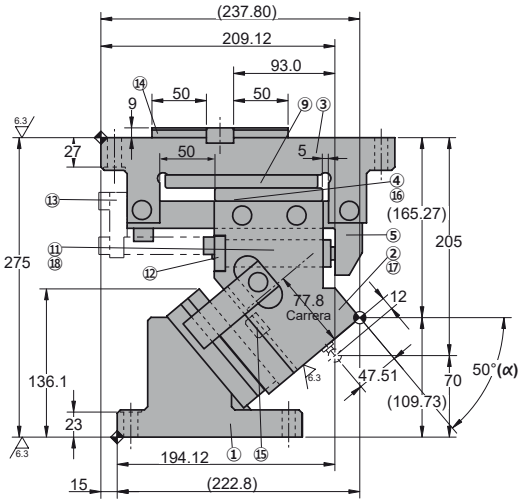
ANRP 0080

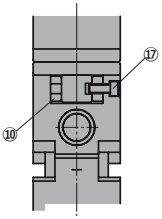
Aerial cam for pierce and flange

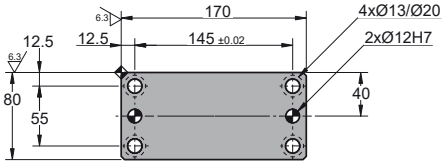
AZOL GAS

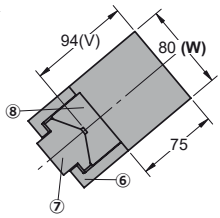
ANRP 0080 50



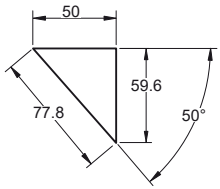








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	166.7 (17.0)	73.5 (7.5)	1223.6 (124.8)	24.9	ANRP	0080	50
		G ---	G 1960.6 (200.0)				

Order: Model (W) (α)

ANRP 0080 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 50-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

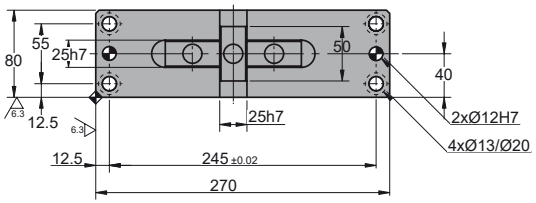
⑱	Gas Spring	1	AG 150 050

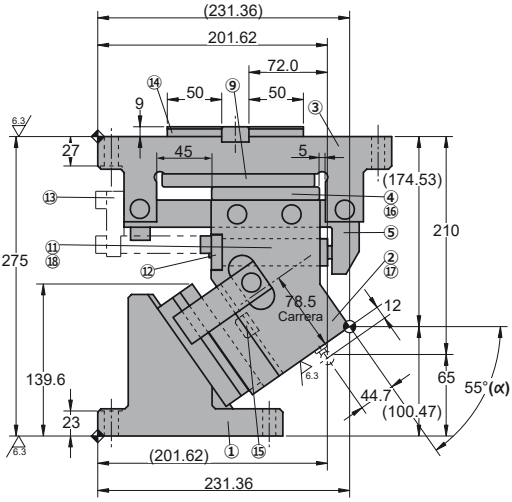
ANRP 0080

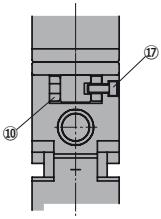
Aerial cam for pierce and flange

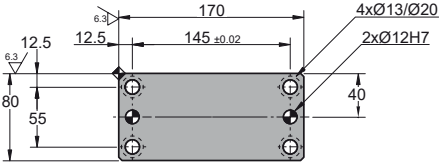
AZOL GAS

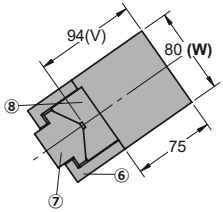
ANRP 0080 55



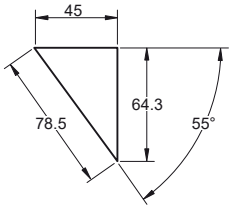








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
78.5	166.7 (17.0)	73.5 (7.5)	1108.6 (113.0)	25.8	ANRP	0080	55
		G ---	G 1902.1 (193.9)				

Order: Model (W) (α)

ANRP 0080 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G GAS SPRING

G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 55-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

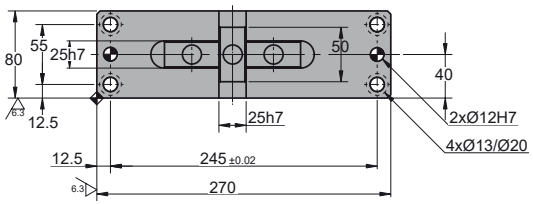
⑱	Gas Spring	1	AG 150 050

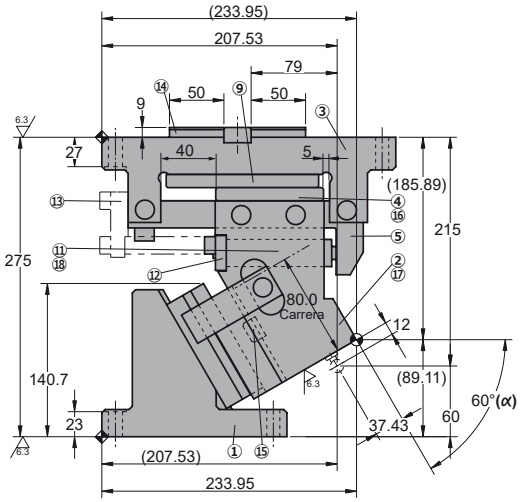
ANRP 0080

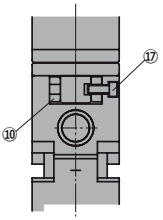
Aerial cam for pierce and flange

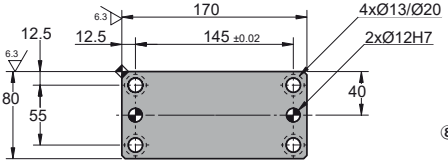
AZOL GAS

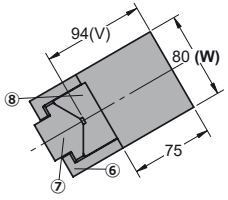
ANRP 0080 60



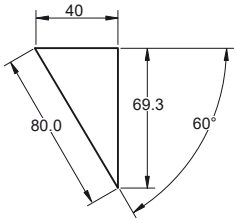








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ANRP 0080

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
80.0	166.7 (17.0)	73.5 (7.5)	993.6 (101.3)	26.2	ANRP	0080	60
		G ---	G 1847.1 (188.3)				

Order: Model (W) (α)

ANRP 0080 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

G **GAS SPRING**



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0080 60-G

SPARE PARTS:
- ④ Slider Plate A
- ⑦ Slide Guide A
- ⑩ Slider Plate B
- ⑱ Coil Spring
- ⑱ Gas spring **(G)**

COMPONENTS

No.		Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GGG50
④	Slider Plate A	1	Bronze + G
⑤	Guide Bar	1	CK45
⑥	Positive Return	2	CK45
⑦	Slide Guide A	1	Bronze + G
⑧	Slide Guide B	1	CK45
⑨	Cam Slider Plate	1	CK45
⑩	Slider Plate B	2	Bronze + G
⑪	Spring Guide Pin	(1)	CK45
⑫	Stopper Plate	1	CK22

No.		Qty.	Material
⑬	Locking plate	1	CK45
⑭	Key A	3	CK45
⑮	Key B	1	CK45
⑯	Dowel Pin	2	Ø8 x 25
⑰	Elastic Ring	3	L=16
⑱	Coil Spring	1	TJL32-152

⑱	Gas Spring	1	AG 150 050

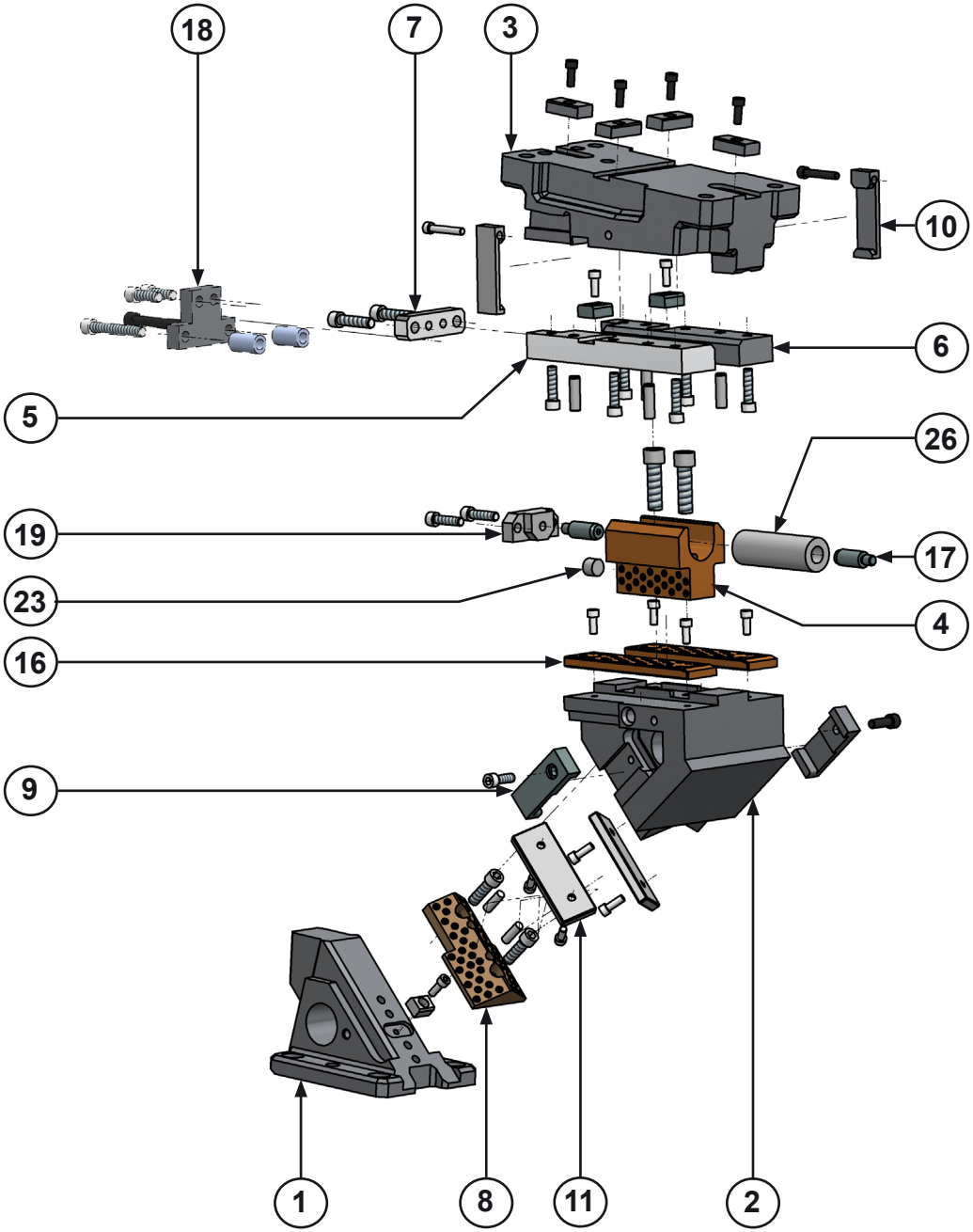
ANRP 0080

Aerial cam for pierce and flange

AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

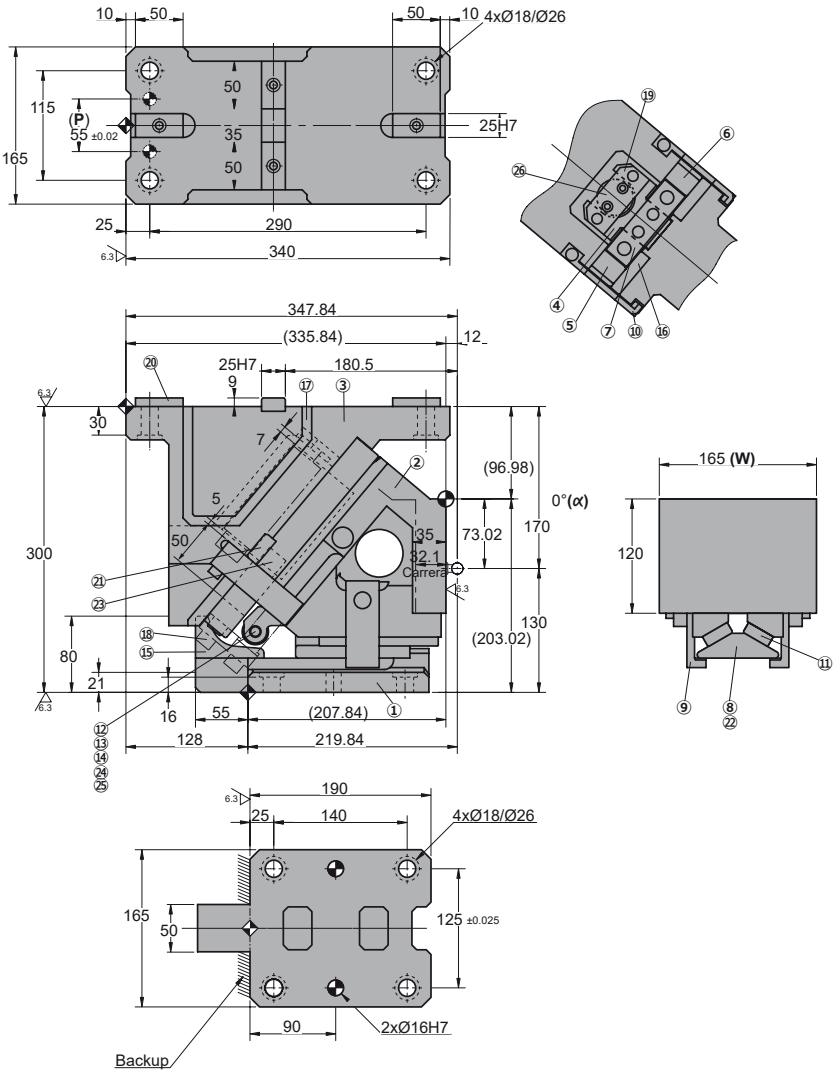


ANRP 0165

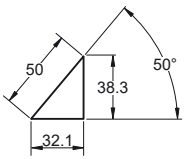
Aerial cam for pierce and flange

AZOL GAS

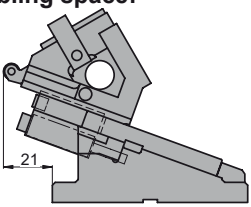
ANRP 0165 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	76.1	ANRP	0165	00
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

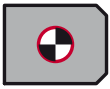
ANRP 0165 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 00-G

ANRP 0165 00-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

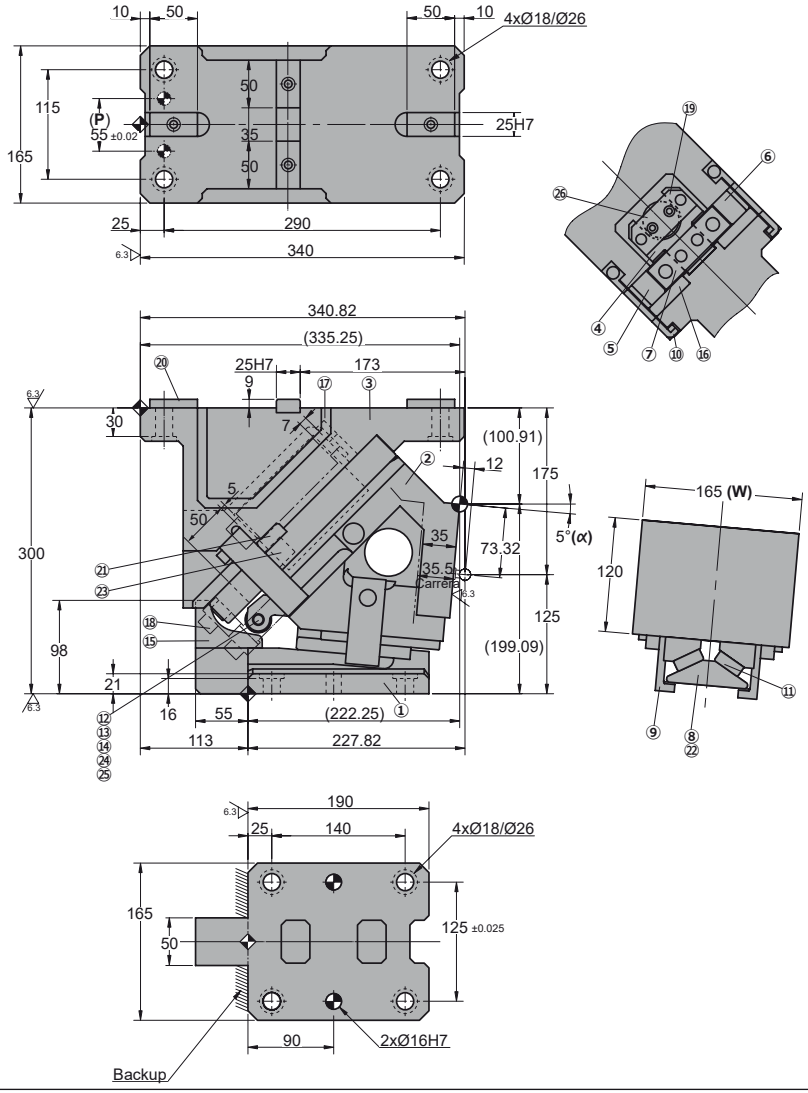
㉖	Gas Spring	1	AG 250 063

ANRP 0165

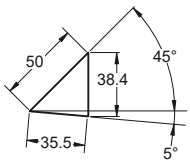
Aerial cam for pierce and flange

AZOL GAS

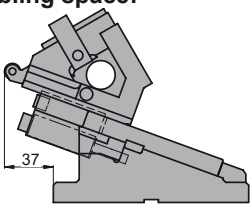
ANRP 0165 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	74.2	ANRP	0165	05
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

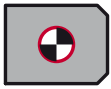
ANRP 0165 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 05-G

ANRP 0165 05-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

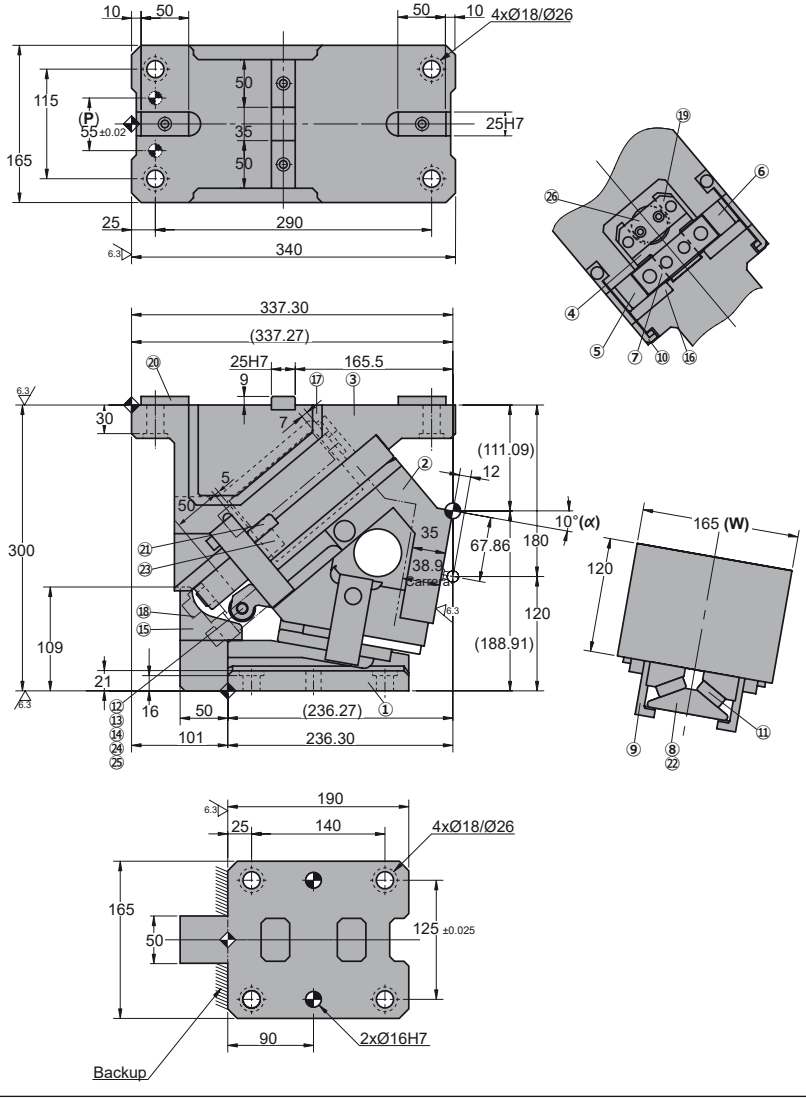
㉖	Gas Spring	1	AG 250 063

ANRP 0165

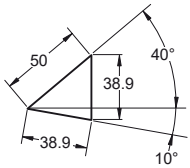
Aerial cam for pierce and flange

AZOL GAS

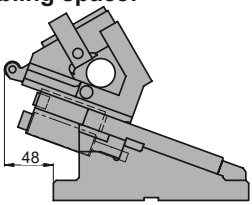
ANRP 0165 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	73.8	ANRP	0165	10
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

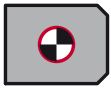
ANRP 0165 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 10-G

ANRP 0165 10-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

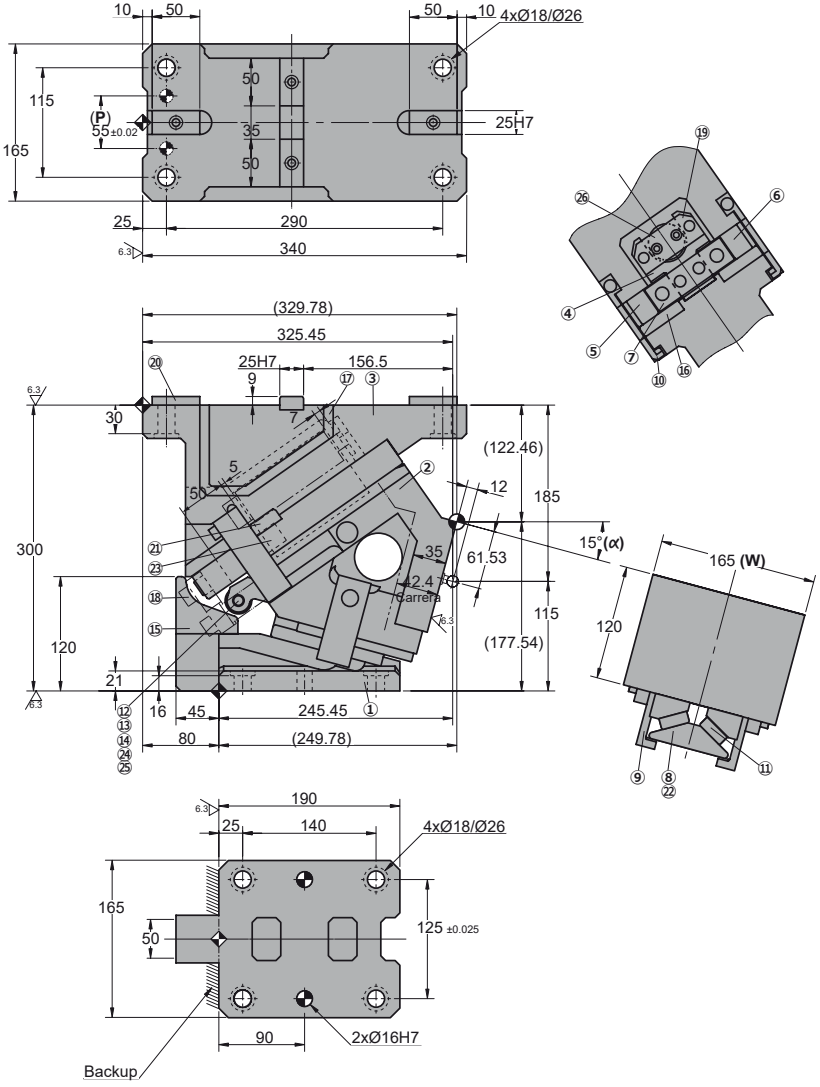
㉖	Gas Spring	1	AG 250 063

ANRP 0165

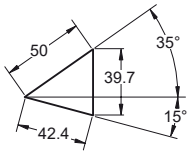
Aerial cam for pierce and flange

AZOL GAS

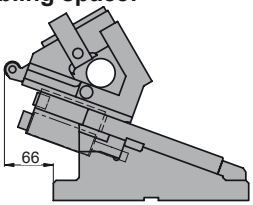
ANRP 0165 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	73.1	ANRP	0165	15
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

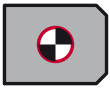
ANRP 0165 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 15-G

ANRP 0165 15-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

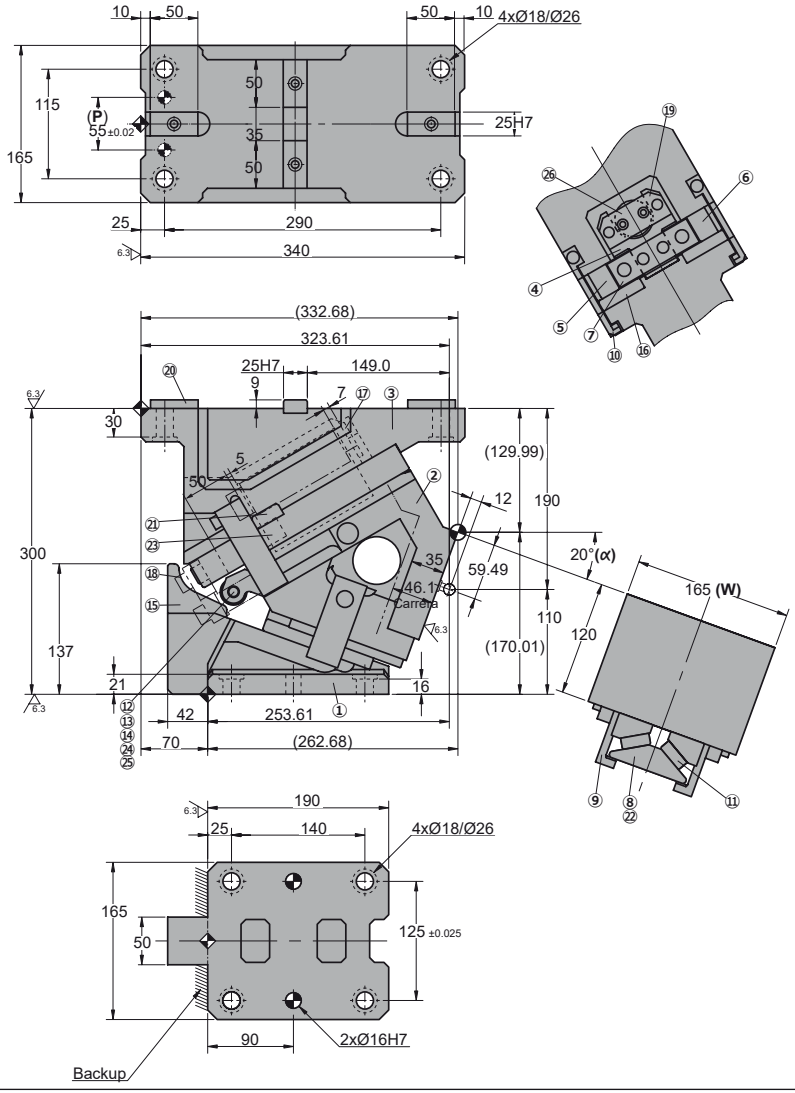
㉖	Gas Spring	1	AG 250 063

ANRP 0165

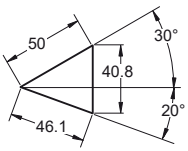
Aerial cam for pierce and flange

AZOL GAS

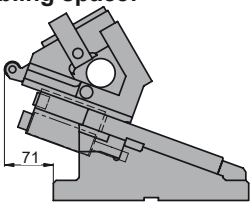
ANRP 0165 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.3	ANRP	0165	20
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

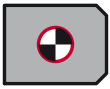
ANRP 0165 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0165 20-G

ANRP 0165 20-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

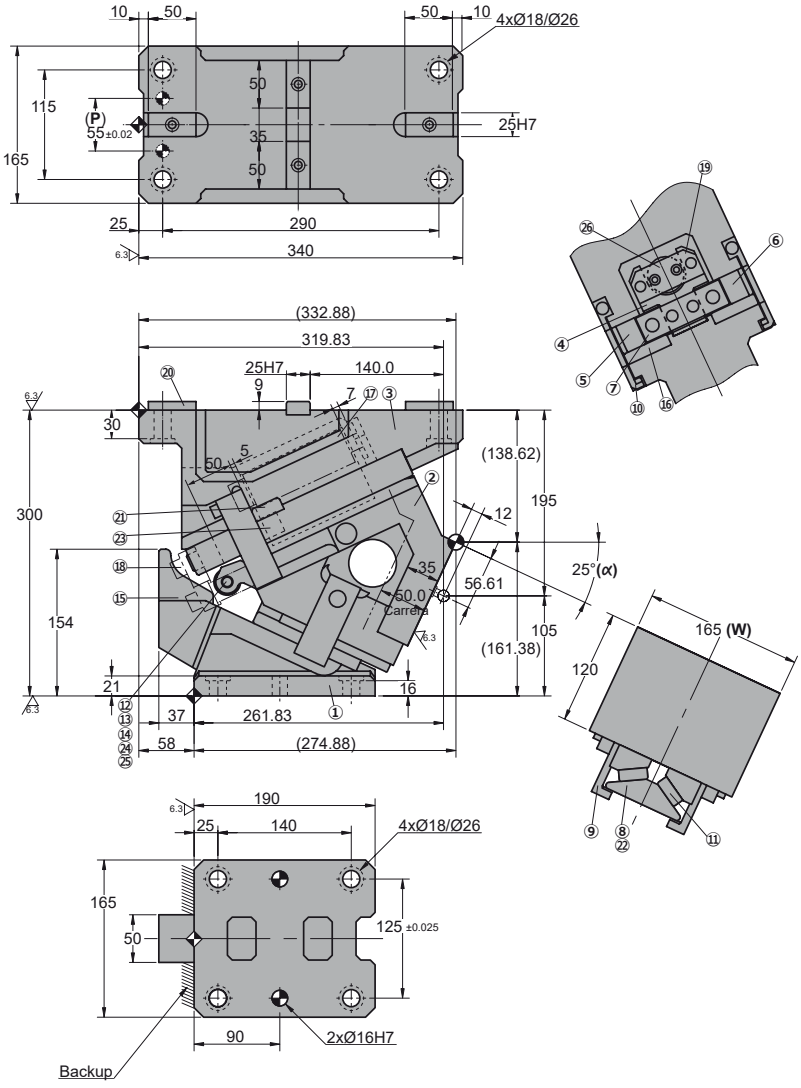
㉖	Gas Spring	1	AG 250 063

ANRP 0165

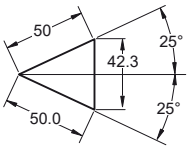
Aerial cam for pierce and flange

AZOL GAS

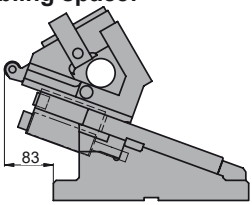
ANRP 0165 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.1	ANRP	0165	25
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

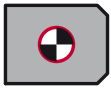
ANRP 0165 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 25-G

ANRP 0165 25-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key A	4	CK45
㉑	Key B	2	CK45
㉒	Key C	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM40-178

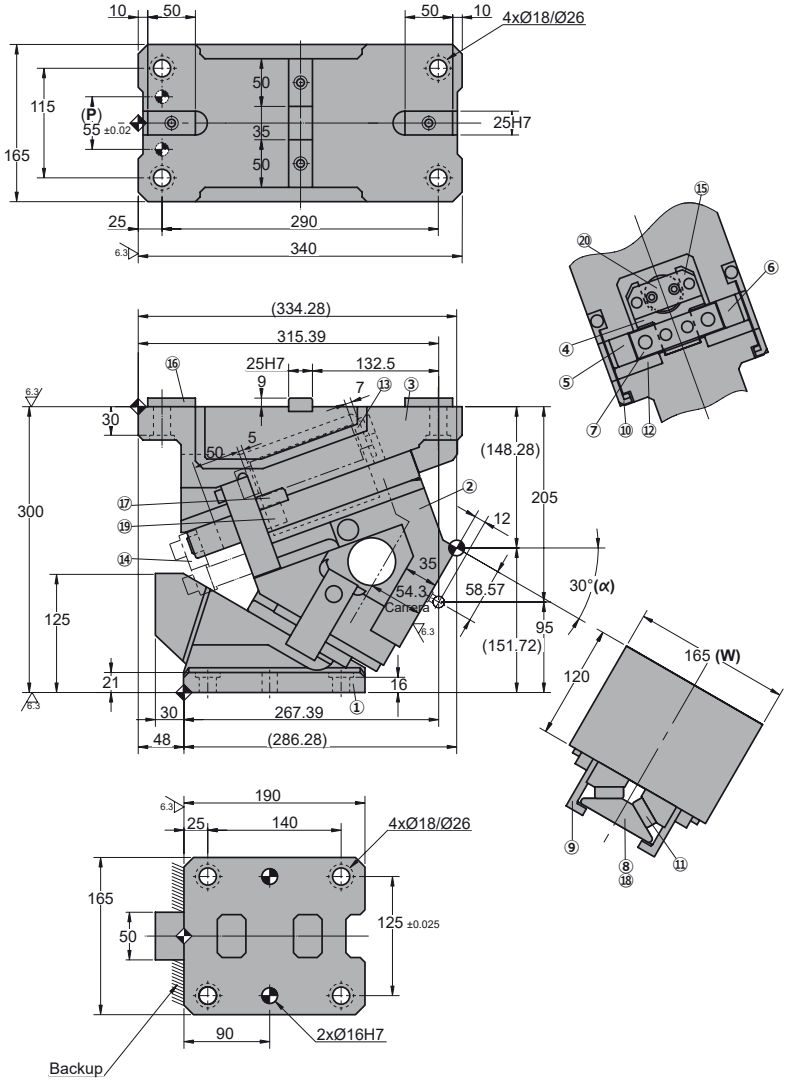
㉖	Gas Spring	1	AG 250 063

ANRP 0165

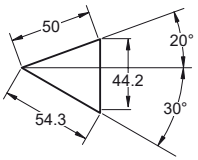
Aerial cam for pierce and flange

AZOL GAS

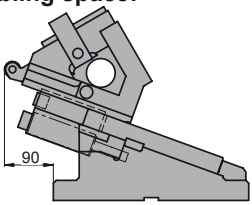
ANRP 0165 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	71.9	ANRP	0165	30
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

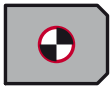
ANRP 0165 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 30-G

ANRP 0165 30-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

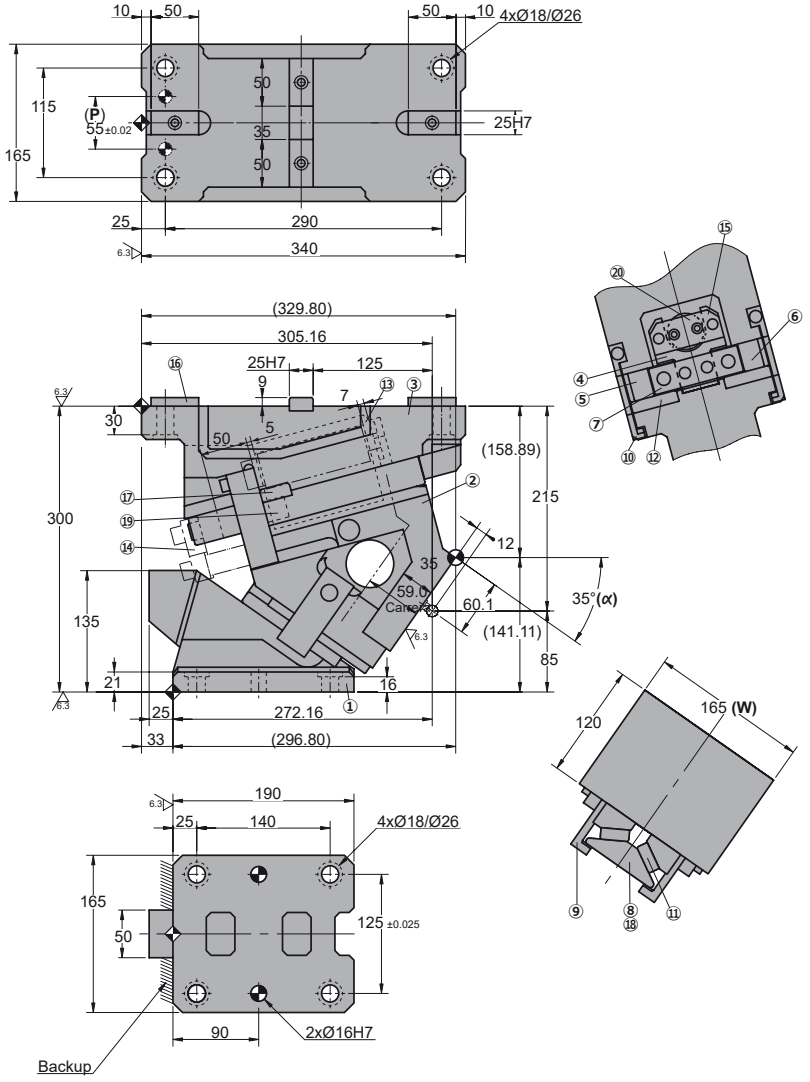
⑳	Gas Spring	1	AG 250 063

ANRP 0165

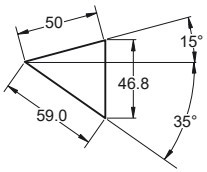
Aerial cam for pierce and flange

AZOL GAS

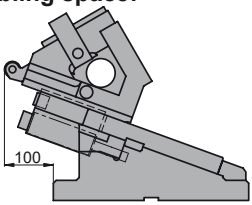
ANRP 0165 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.2	ANRP	0165	35
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

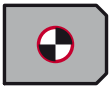
ANRP 0165 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 35-G

ANRP 0165 35-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

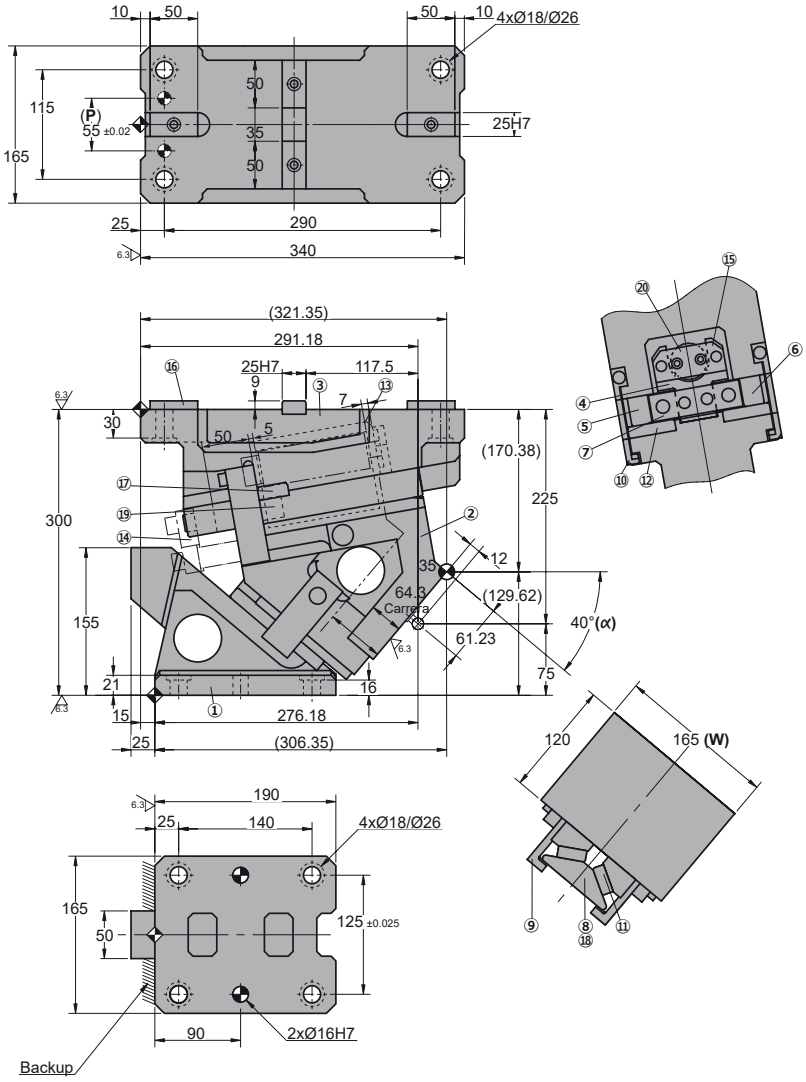
⑳	Gas Spring	1	AG 250 063

ANRP 0165

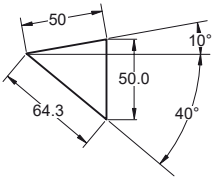
Aerial cam for pierce and flange

AZOL GAS

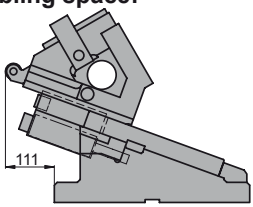
ANRP 0165 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	72.4	ANRP	0165	40
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

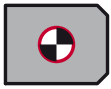
ANRP 0165 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 40-G

ANRP 0165 40-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

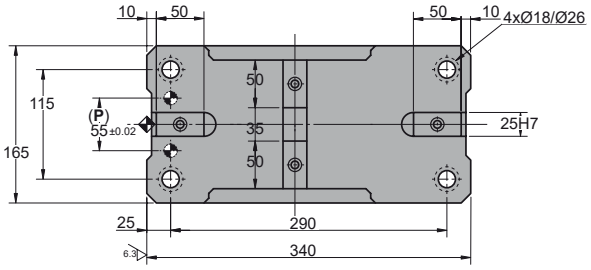
⑳	Gas Spring	1	AG 250 063

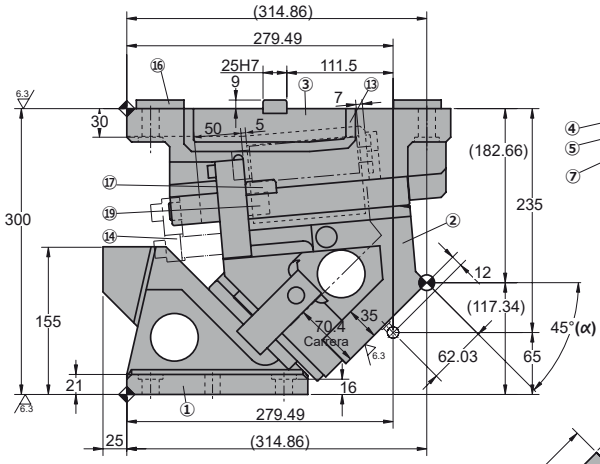
ANRP 0165

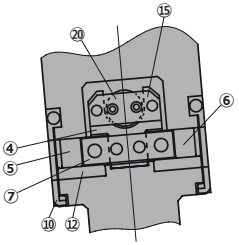
Aerial cam for pierce and flange

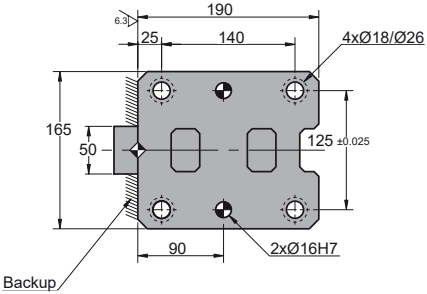
AZOL GAS

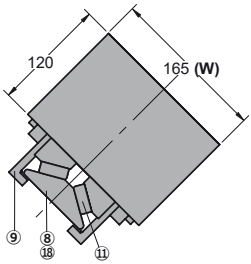
ANRP 0165 45



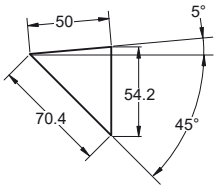




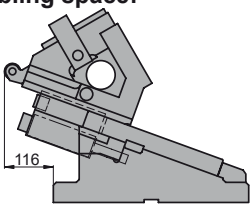




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	65.5	ANRP	0165	45
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

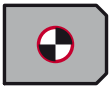
ANRP 0165 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0165 45-G

ANRP 0165 45-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

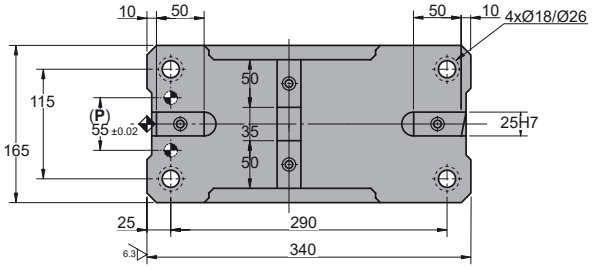
⑳	Gas Spring	1	AG 250 063

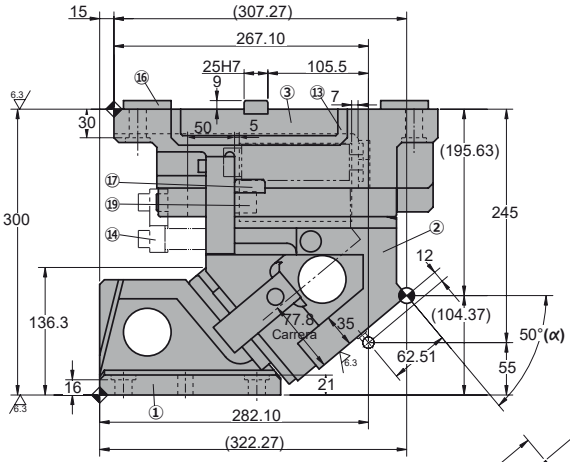
ANRP 0165

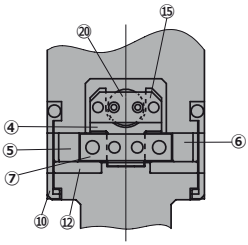
Aerial cam for pierce and flange

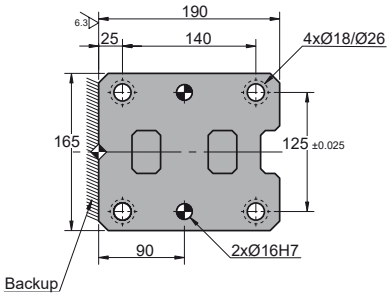
AZOL GAS

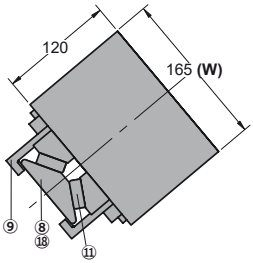
ANRP 0165 50



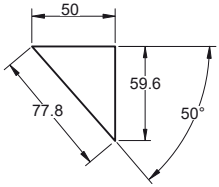




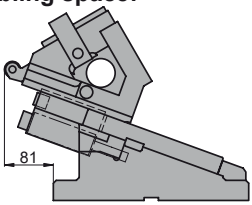




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	64.3	ANRP	0165	50
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

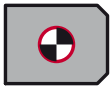
ANRP 0165 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 50-G

ANRP 0165 50-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

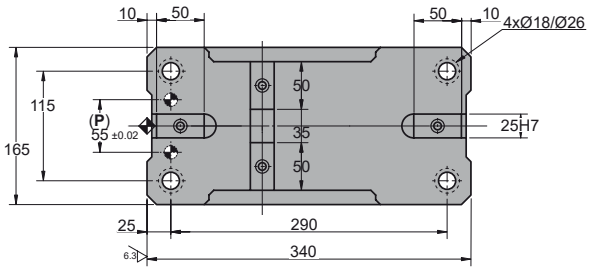
⑳	Gas Spring	1	AG 250 063

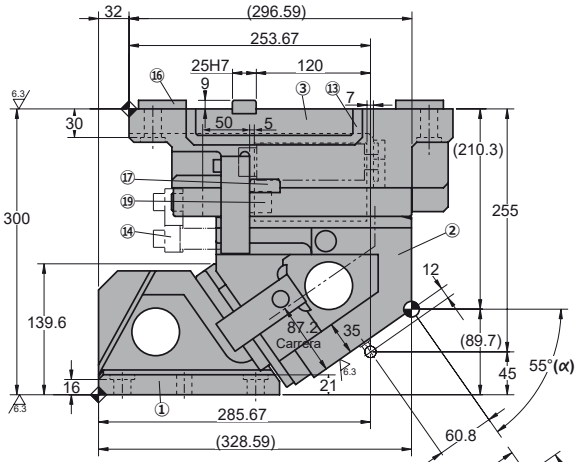
ANRP 0165

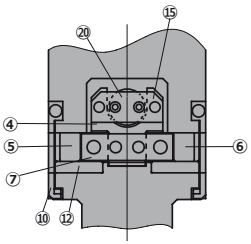
Aerial cam for pierce and flange

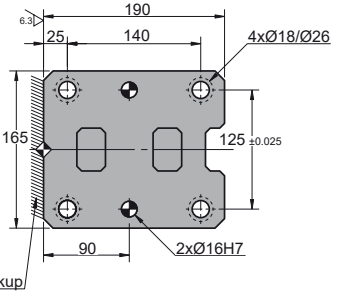
AZOL GAS

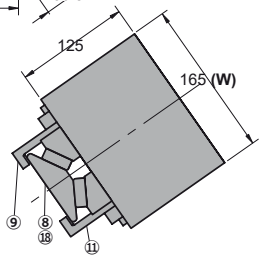
ANRP 0165 55



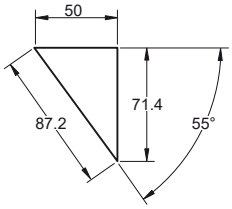




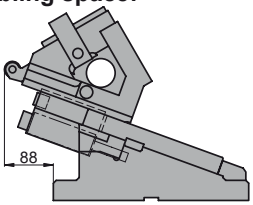




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	65.2	ANRP	0165	55
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

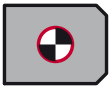
ANRP 0165 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0165 55-G

ANRP 0165 55-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

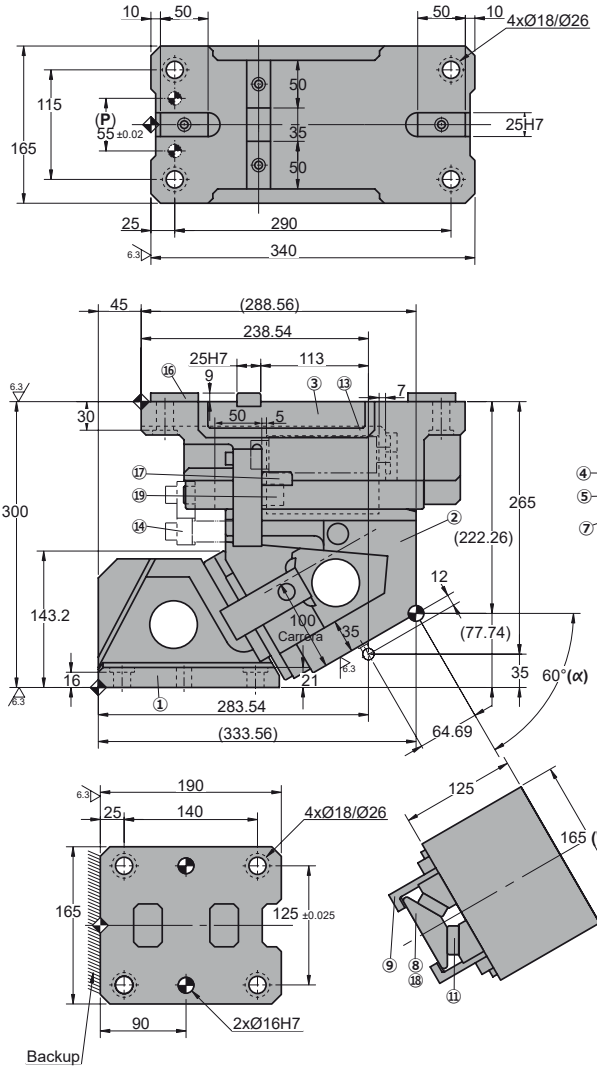
⑳	Gas Spring	1	AG 250 063

ANRP 0165

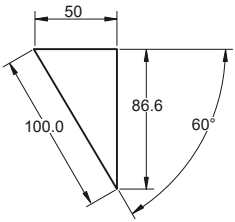
Aerial cam for pierce and flange

AZOL GAS

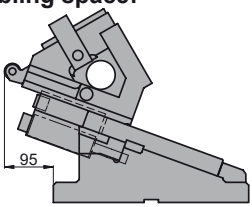
ANRP 0165 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
100.0	294.2 (30.0)	449.1 (45.8)	2694.0 (274.7)	66.6	ANRP	0165	60
		G ---	G 3308.1 (337.3)				

Order: Model (W) (α)

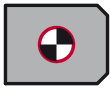
ANRP 0165 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0165 60-G

ANRP 0165 60-G-P16

SPARE PARTS:

- ④ Spring Guide
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate A	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key A	4	CK45
⑰	Key B	2	CK45
⑱	Key C	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM40-178

⑳	Gas Spring	1	AG 250 063

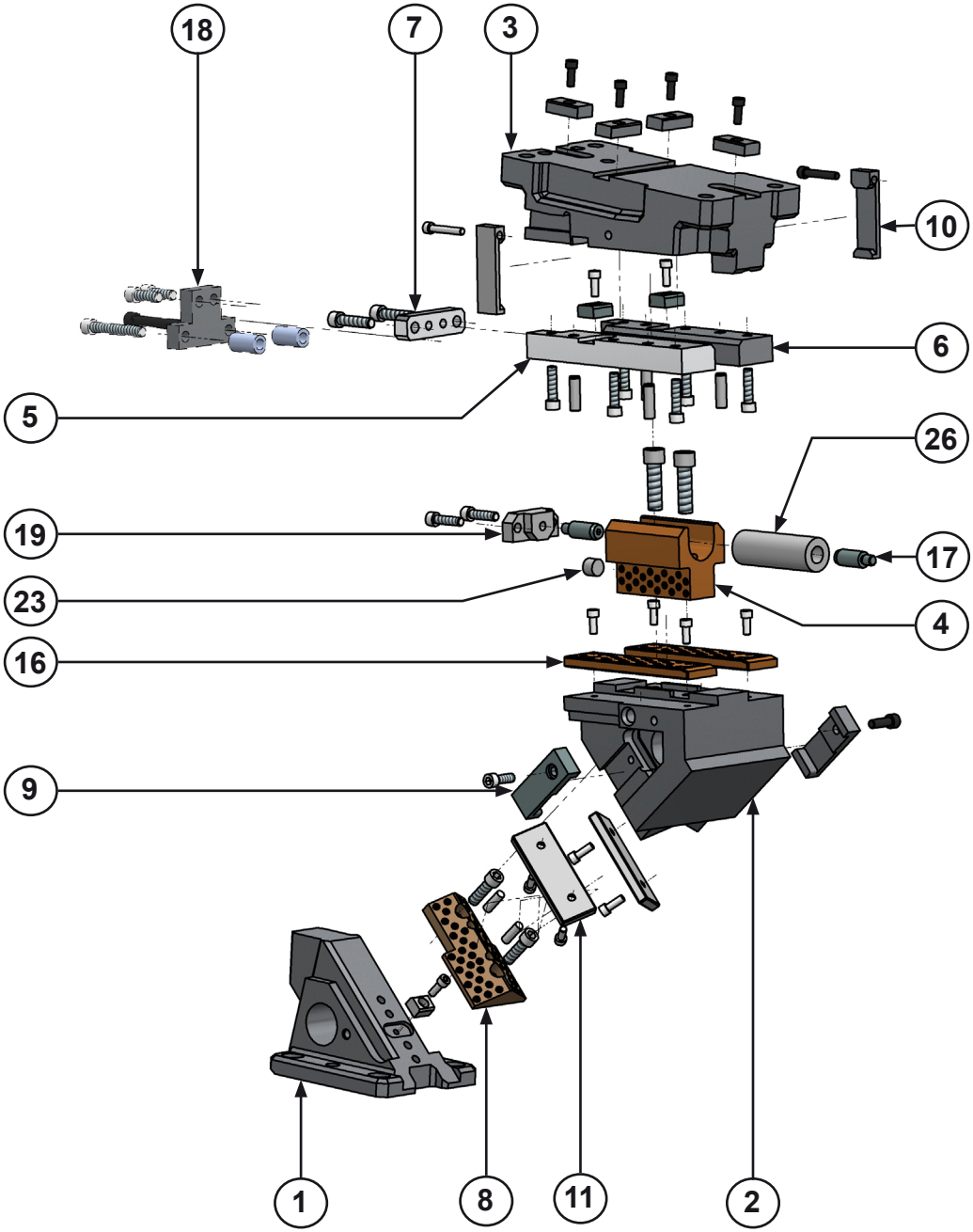
ANRP 0165

Aerial cam for pierce and flange

AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

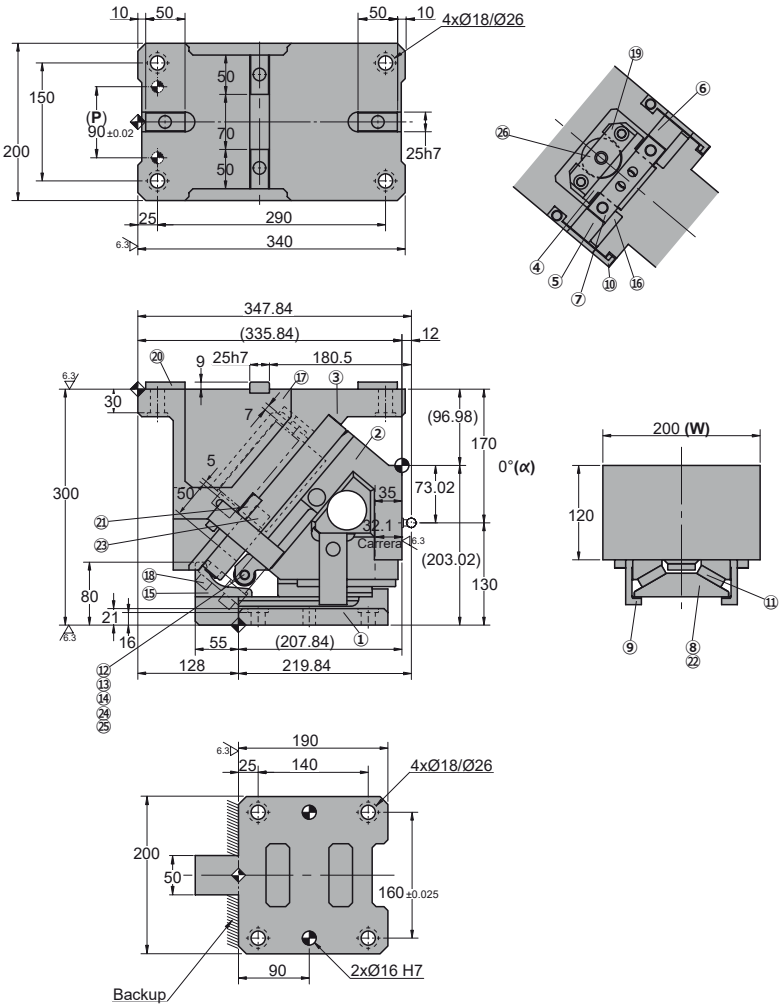


ANRP 0200

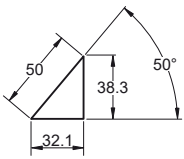
Aerial cam for pierce and flange

AZOL GAS

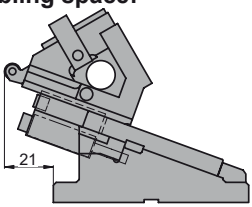
ANRP 0200 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	90.3	ANRP	0200	00
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

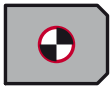
ANRP 0200 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0200 00-G

ANRP 0200 00-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

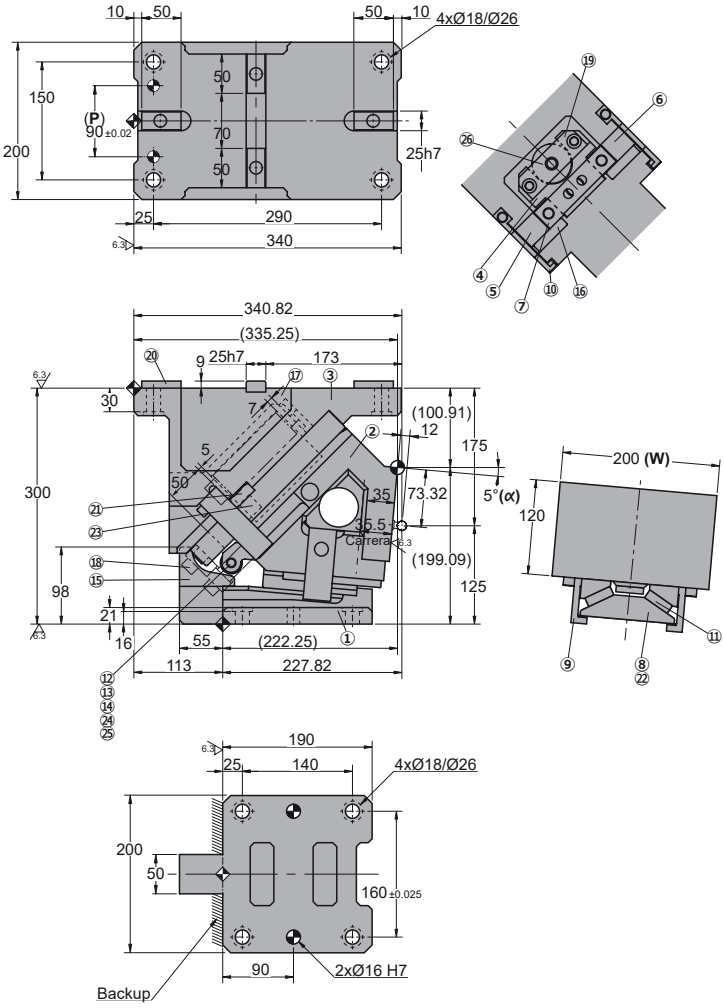
No.	Description	Qty.	Material
㉖	Gas Spring	1	FD 500 063

ANRP 0200

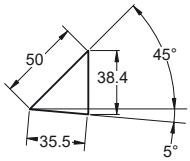
Aerial cam for pierce and flange

AZOL GAS

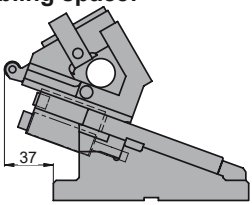
ANRP 0200 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	88.0	ANRP	0200	05
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

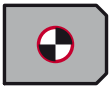
ANRP 0200 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 05-G

ANRP 0200 05-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

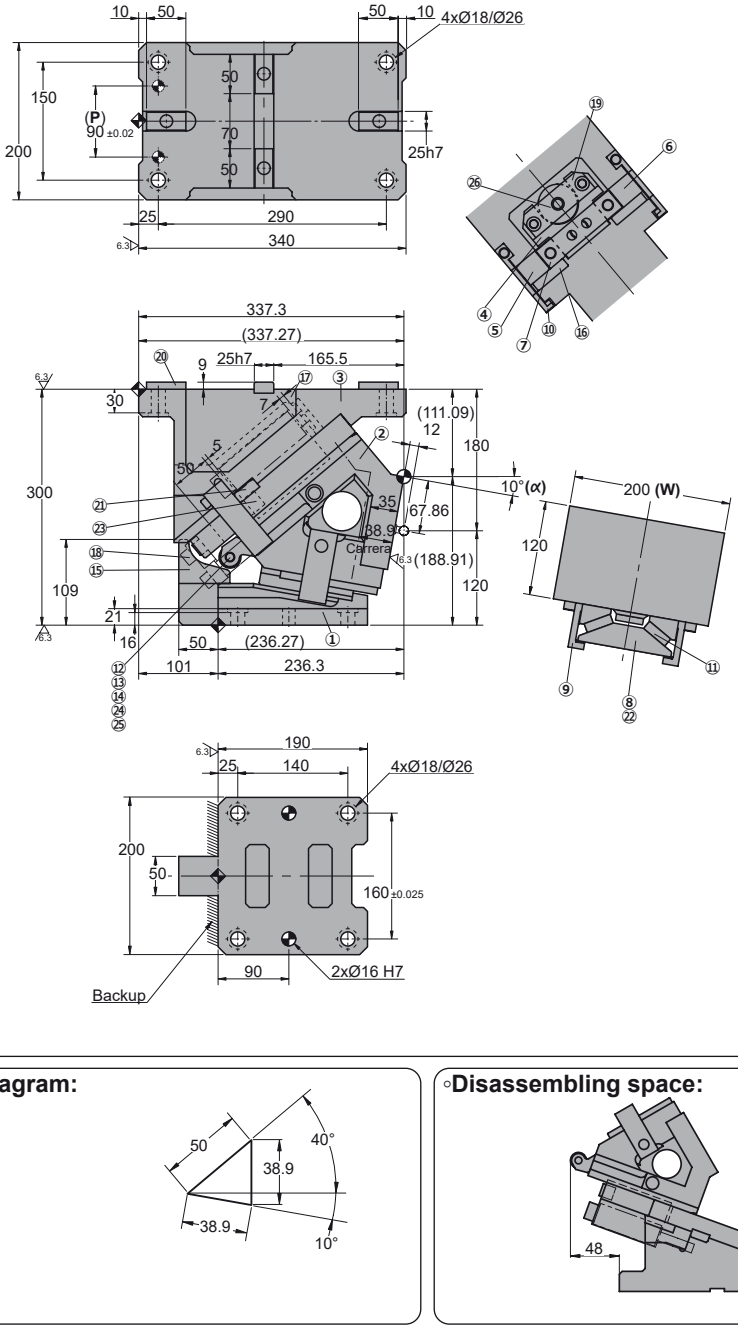
㉖	Gas Spring	1	FD 500 063

ANRP 0200

Aerial cam for pierce and flange

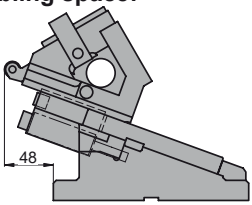
AZOL GAS

ANRP 0200 10



◦Cam diagram:

◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	87.5	ANRP	0200	10
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

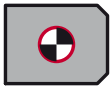
ANRP 0200 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 10-G

ANRP 0200 10-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

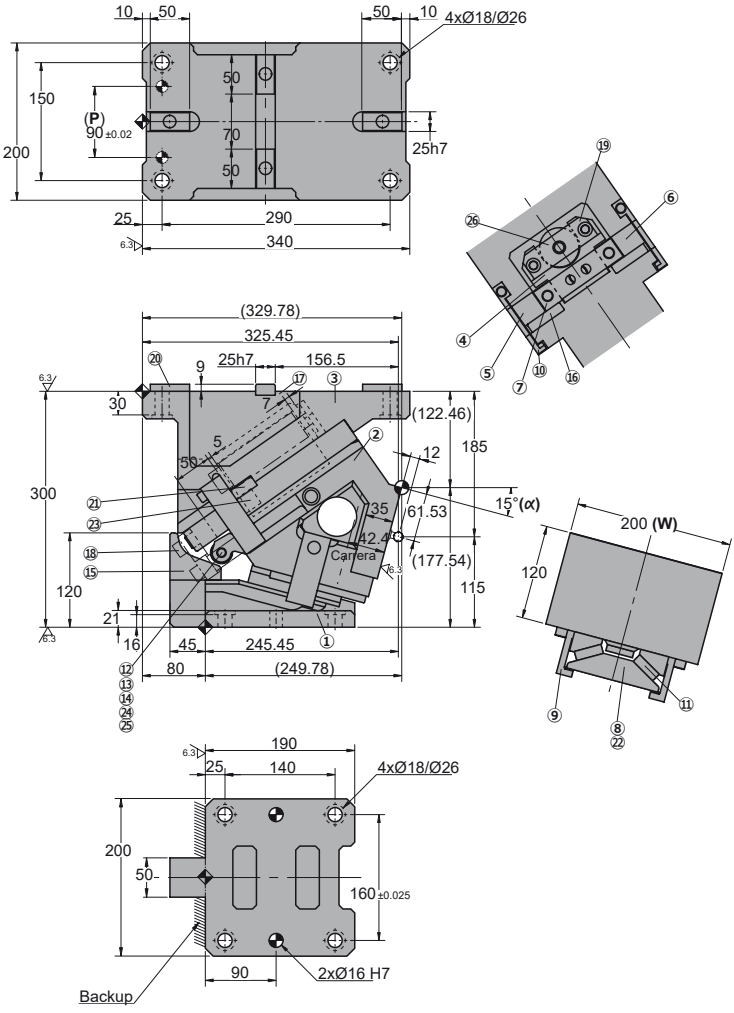
㉖	Gas Spring	1	FD 500 063

ANRP 0200

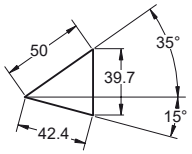
Aerial cam for pierce and flange

AZOL GAS

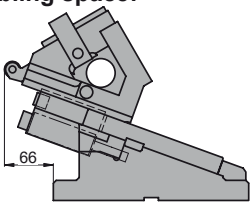
ANRP 0200 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	87.0	ANRP	0200	15
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

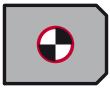
ANRP 0200 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 15-G

ANRP 0200 15-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

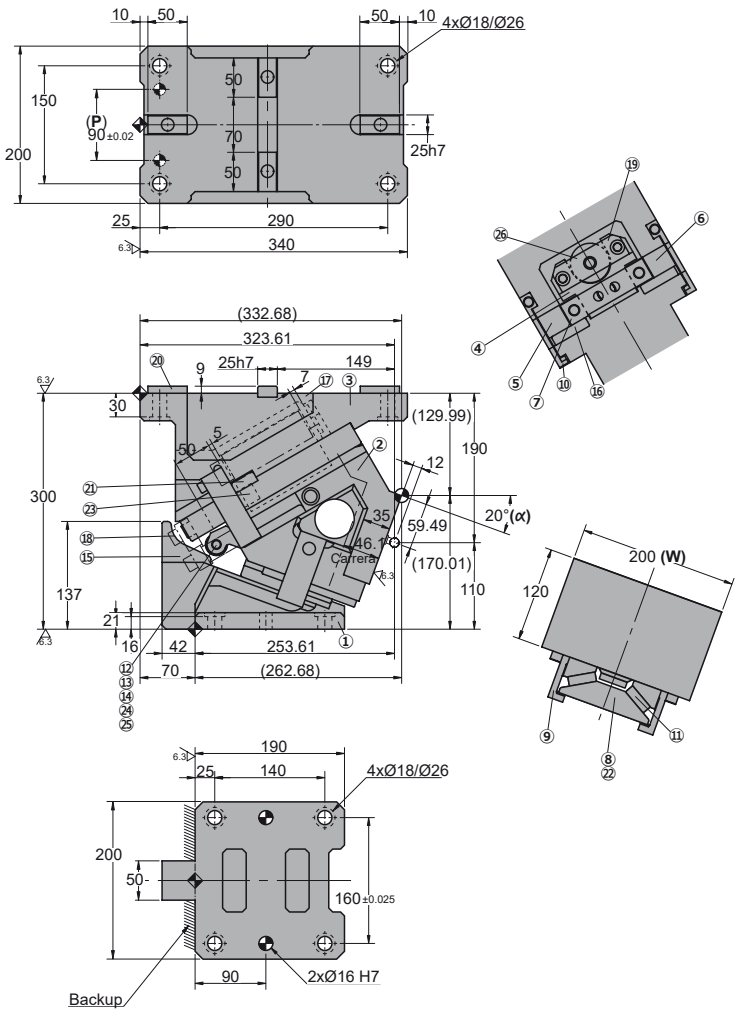
㉖	Gas Spring	1	FD 500 063

ANRP 0200

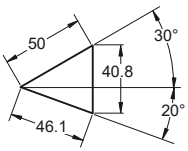
Aerial cam for pierce and flange

AZOL GAS

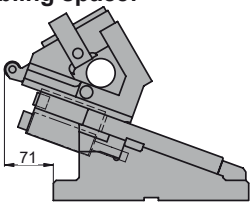
ANRP 0200 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	85.8	ANRP	0200	20
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

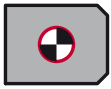
ANRP 0200 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 20-G

ANRP 0200 20-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

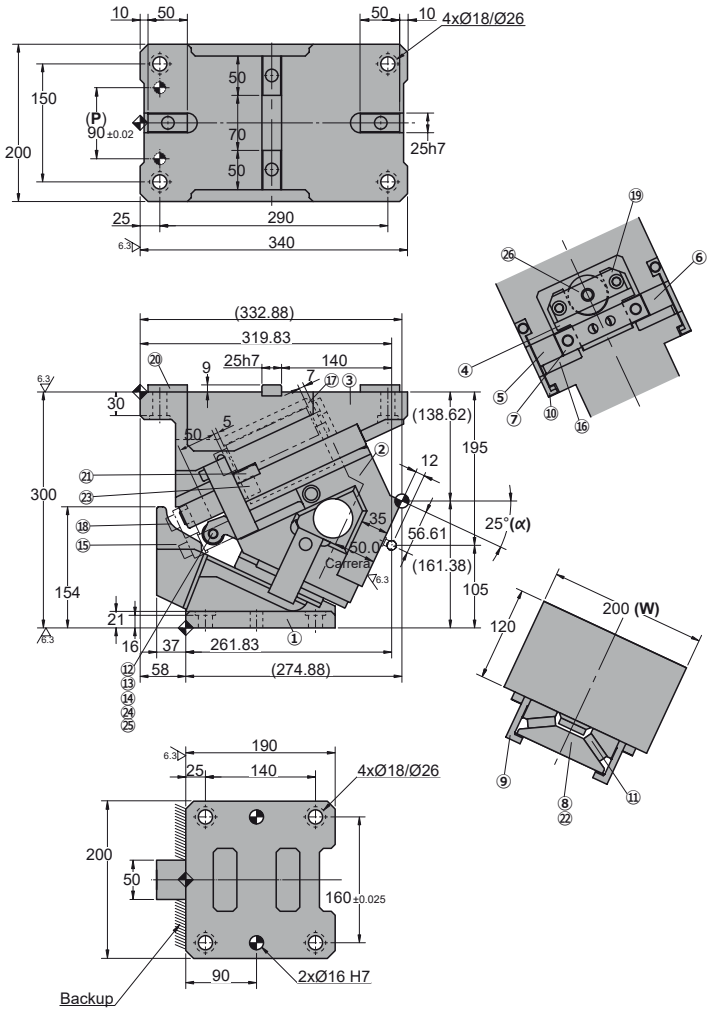
㉖	Gas Spring	1	FD 500 063

ANRP 0200

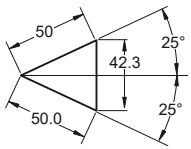
Aerial cam for pierce and flange

AZOL GAS

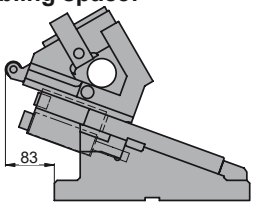
ANRP 0200 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.2	ANRP	0200	25
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

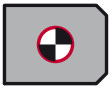
ANRP 0200 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 25-G

ANRP 0200 25-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑯ Slider Plate B
- ㉖ Coil Spring
- ㉖ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Bearing	1	CK45
⑬	Bearing Shaft	1	CK45
⑭	Roller Body	1	CK45

No.	Description	Qty.	Material
⑮	Bearing Guide	1	CK45
⑯	Slider Plate B	2	Bronze
⑰	Coil Spring Holder	1	CK45
⑱	Locking plate	1	CK22
⑲	Spring Guide Plate	1	CK22
⑳	Key	4	CK45
㉑	Key	2	CK45
㉒	Key	1	CK45
㉓	Stopper	1	Urethane
㉔	Bushing	1	Bronze + G
㉕	Elastic Ring	2	Ø9
㉖	Coil Spring	1	TJM50-178

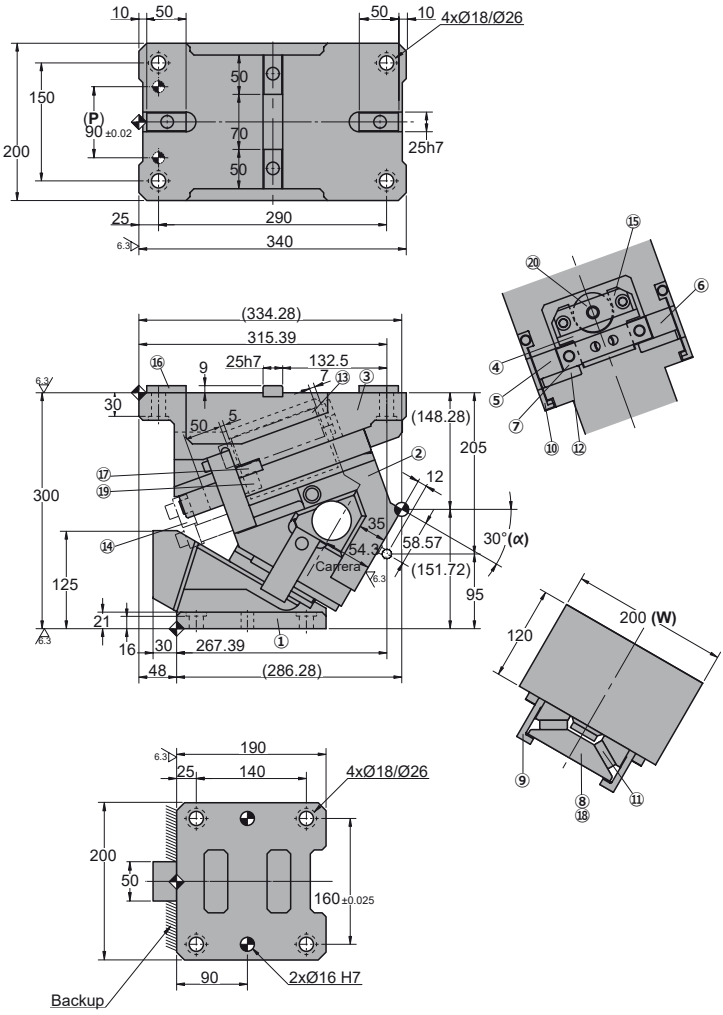
㉖	Gas Spring	1	FD 500 063

ANRP 0200

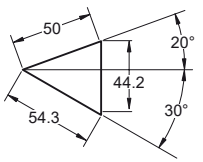
Aerial cam for pierce and flange

AZOL GAS

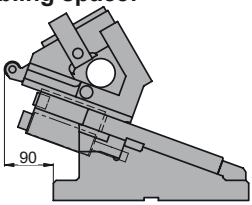
ANRP 0200 30



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	85.6	ANRP	0200	30
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

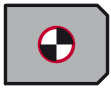
ANRP 0200 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 30-G

ANRP 0200 30-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

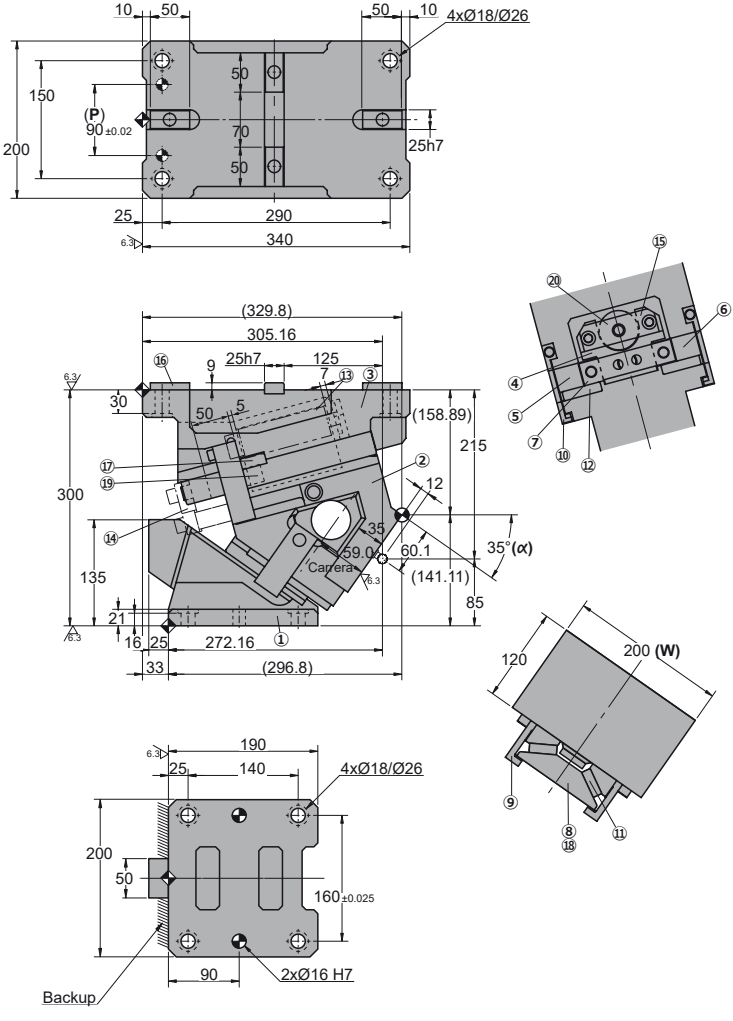
⑳	Gas Spring	1	FD 500 063

ANRP 0200

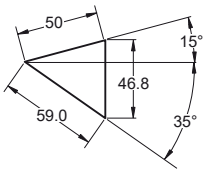
Aerial cam for pierce and flange

AZOL GAS

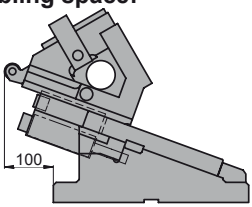
ANRP 0200 35



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.2	ANRP	0200	35
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

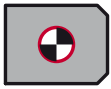
ANRP 0200 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 35-G

ANRP 0200 35-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

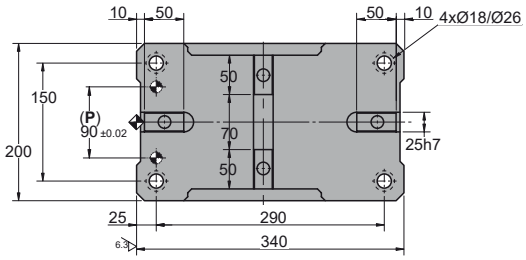
⑳	Gas Spring	1	FD 500 063

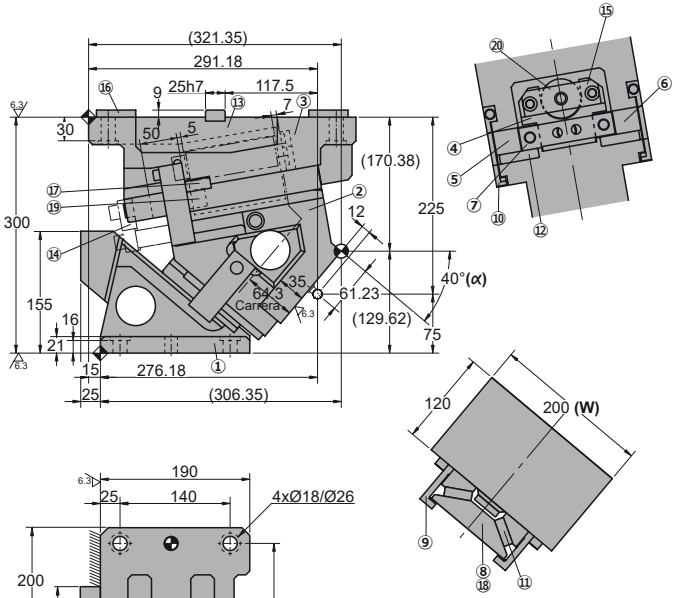
ANRP 0200

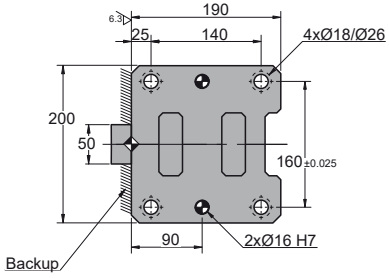
Aerial cam for pierce and flange

AZOL GAS

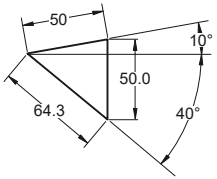
ANRP 0200 40



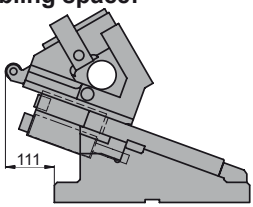




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	86.6	ANRP	0200	40
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

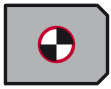
ANRP 0200 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 40-G

ANRP 0200 40-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

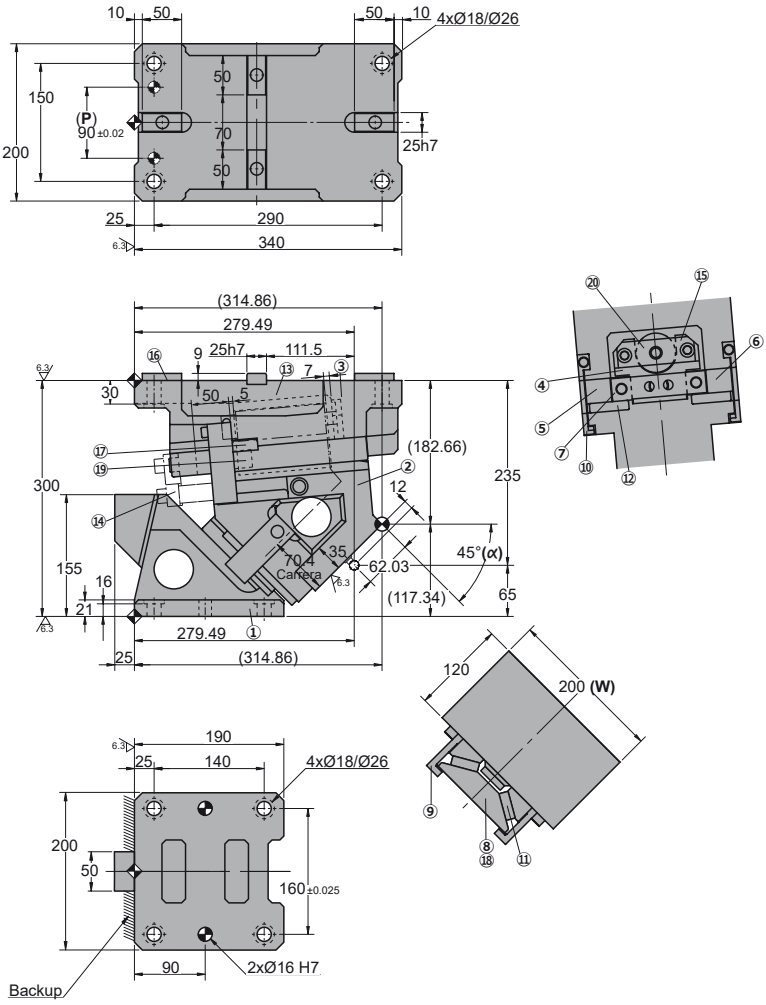
⑳	Gas Spring	1	FD 500 063

ANRP 0200

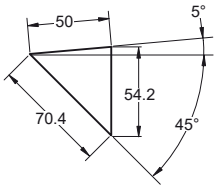
Aerial cam for pierce and flange

AZOL GAS

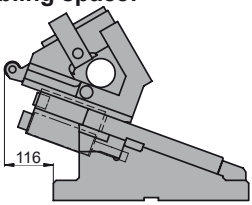
ANRP 0200 45



◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	88.0	ANRP	0200	45
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

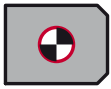
ANRP 0200 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 45-G

ANRP 0200 45-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

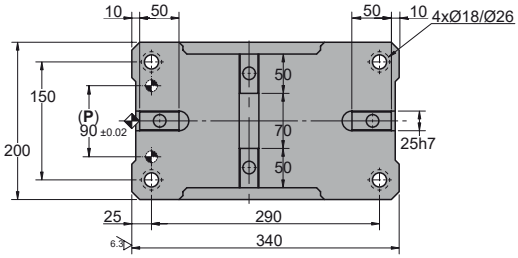
⑳	Gas Spring	1	FD 500 063

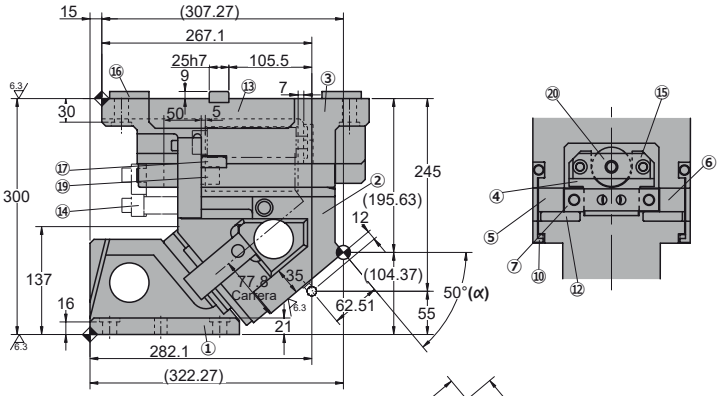
ANRP 0200

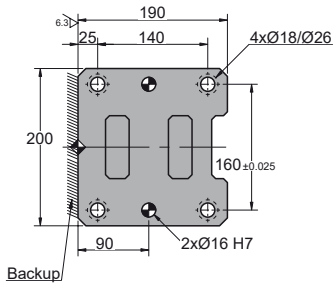
Aerial cam for pierce and flange

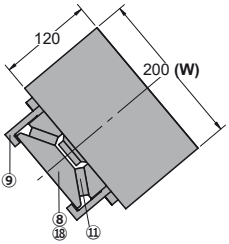
AZOL GAS

ANRP 0200 50

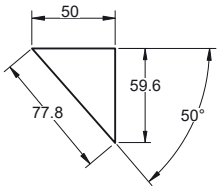




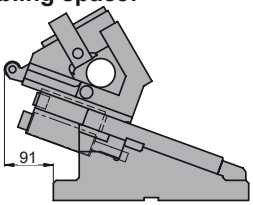




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	78.2	ANRP	0200	50
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

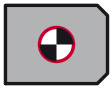
ANRP 0200 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 50-G

ANRP 0200 50-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

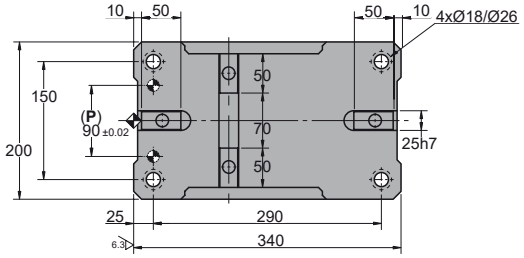
⑳	Gas Spring	1	FD 500 063

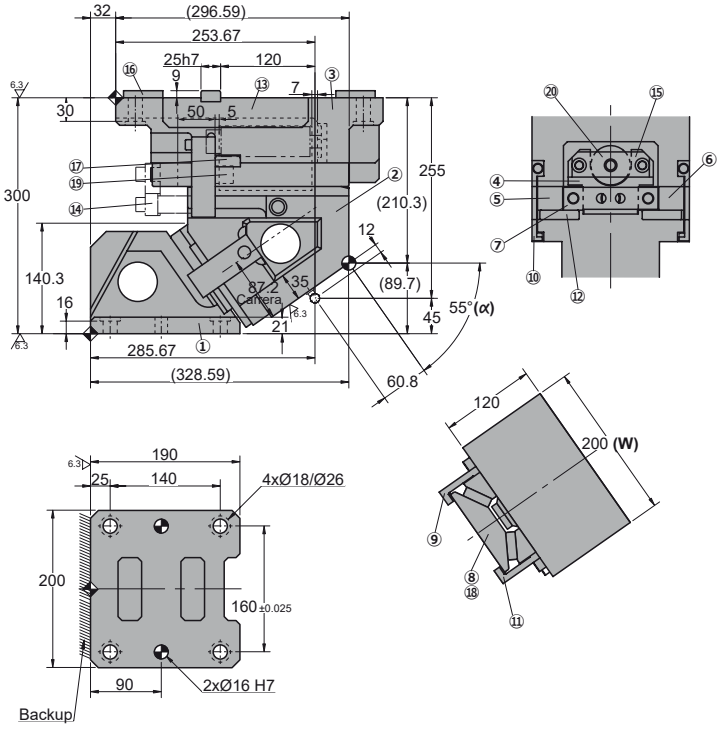
ANRP 0200

Aerial cam for pierce and flange

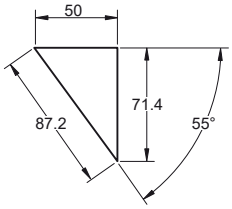
AZOL GAS

ANRP 0200 55

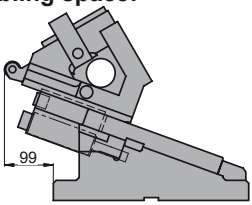




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	80.5	ANRP	0200	55
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

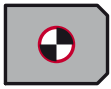
ANRP 0200 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 55-G

ANRP 0200 55-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

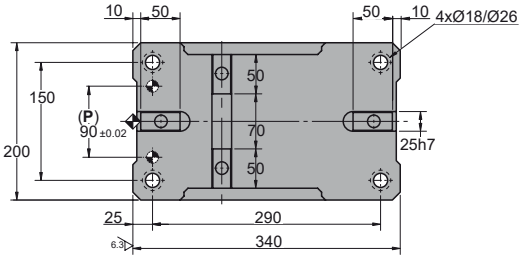
⑳	Gas Spring	1	FD 500 063

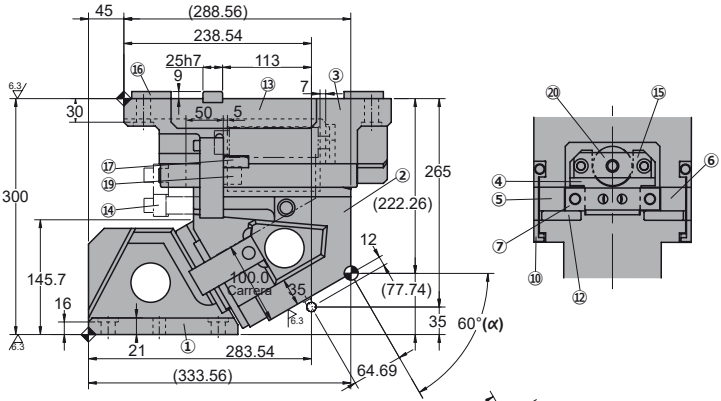
ANRP 0200

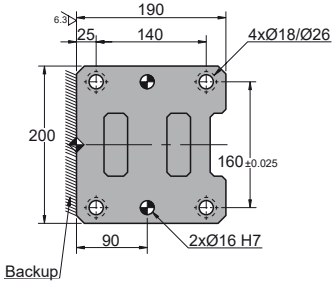
Aerial cam for pierce and flange

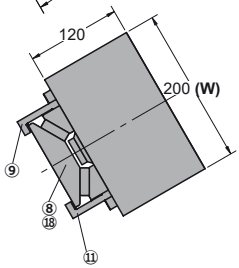
AZOL GAS

ANRP 0200 60

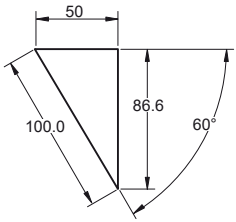




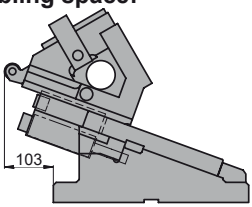




◦Cam diagram:



◦Disassembling space:



AZOL GAS

ANRP 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
100.0	353.0 (36.0)	749.2 (76.4)	4494.0 (458.3)	82.4	ANRP	0200	60
		G ---	G 5956.6 (607.4)				

Order: Model (W) (α)

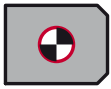
ANRP 0200 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P 16 - Ø16 H7.



G GAS SPRING

G Gas spring included in the cam



Order Options: Model (W) (α)-Option

ANRP 0200 60-G

ANRP 0200 60-G-P16

SPARE PARTS:

- ④ Spring Guidee
- ⑧ Slide Guide
- ⑫ Slider Plate B
- ⑳ Coil Spring
- ⑳ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Spring Guide	1	Bronze + G
⑤	Base Plate D-R	1	CK45
⑥	Base Plate D-L	1	CK45
⑦	Stopper Plate	1	CK45
⑧	Slide Guide	1	Bronze + G
⑨	Positive Return A	2	CK45
⑩	Positive Return B	2	CK22
⑪	Slider Plate	2	CK45
⑫	Slider Plate B	2	Bronze

No.	Description	Qty.	Material
⑬	Coil Spring Holder	1	CK45
⑭	Locking plate	1	CK22
⑮	Spring Guide Plate	1	CK22
⑯	Key	4	CK45
⑰	Key	2	CK45
⑱	Key	1	CK45
⑲	Stopper	1	Urethane
⑳	Coil Spring	1	TJM50-178

⑳	Gas Spring	1	FD 500 063

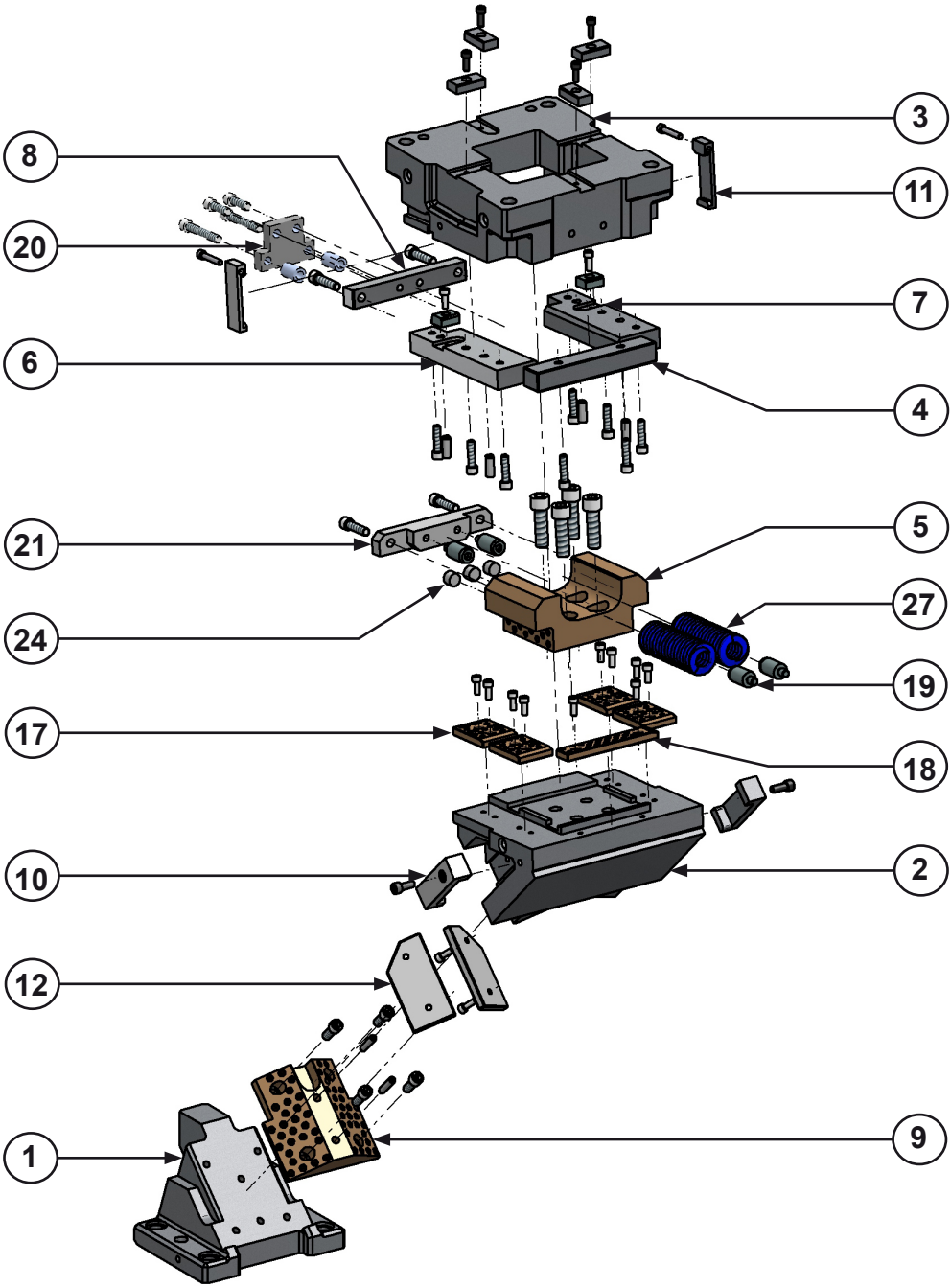
ANRP 0200

Aerial cam for pierce and flange

AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

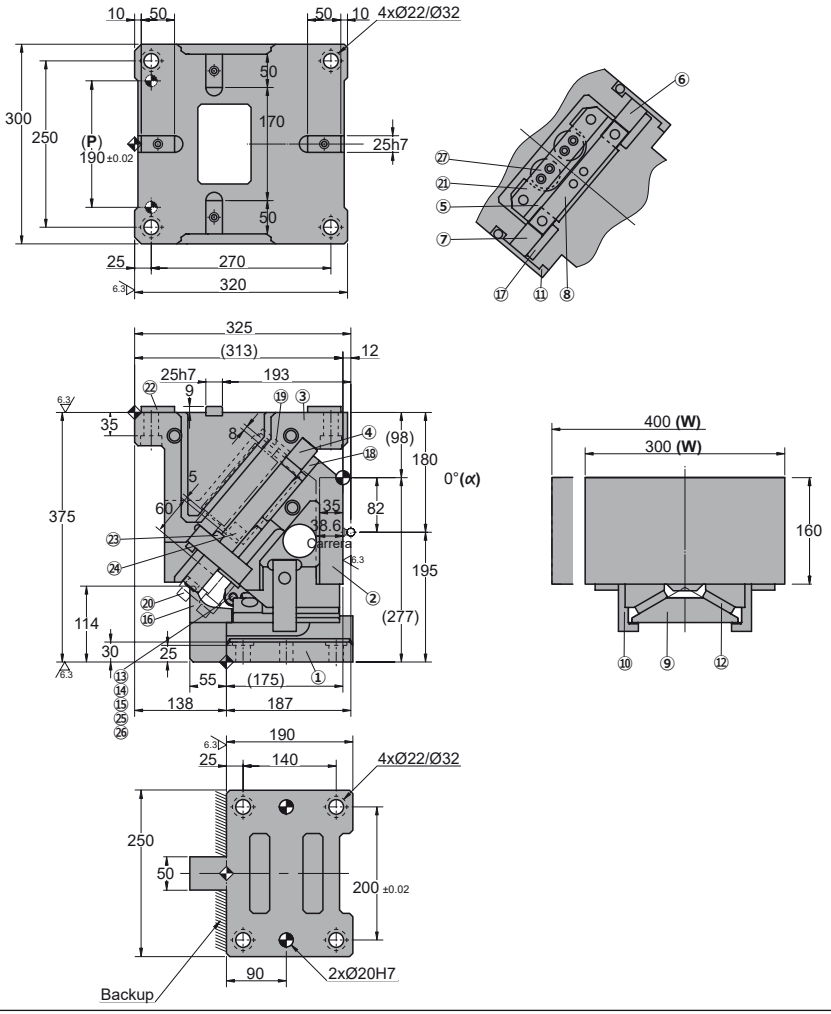


ANRP 0300-0400

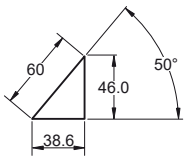
Aerial cam for pierce and flange

AZOL GAS

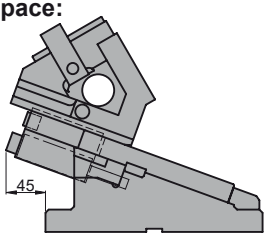
ANRP 0300 00
ANRP 0400 00



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
38.6	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	153.2	160.2	ANRP	0300 0400	00
		G ---	G 11783.9 (1201.6)					

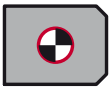
Order: Model (W) (α)

ANRP 0300 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 00-G

ANRP 0300 00-G-P16

SPARE PARTS:
- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

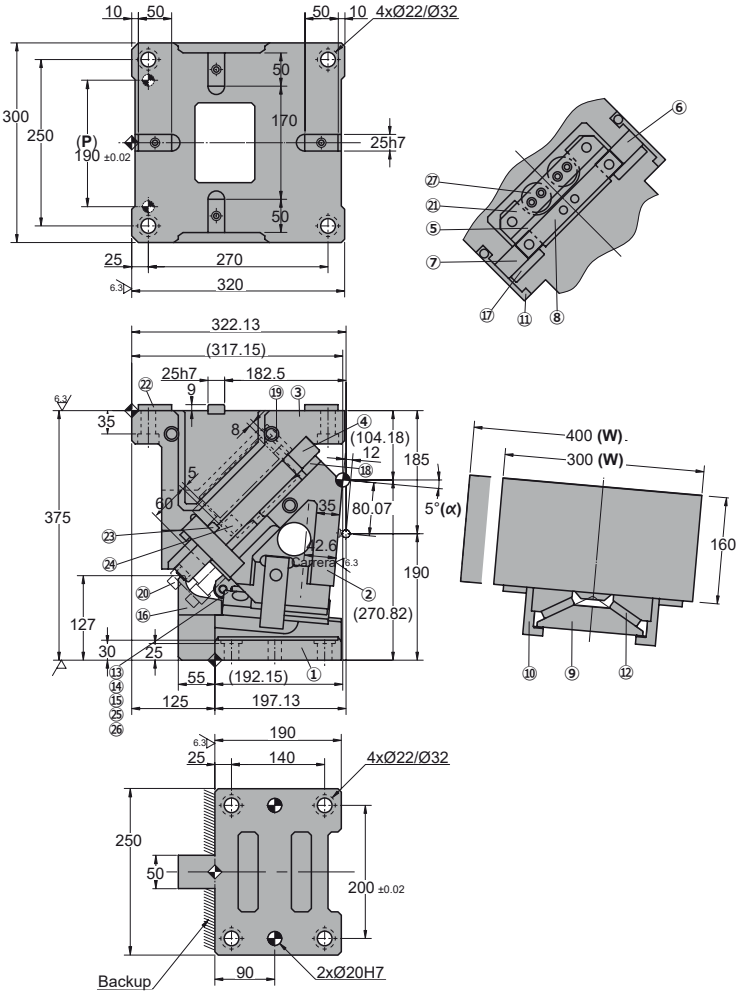
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

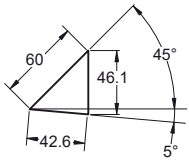
Aerial cam for pierce and flange

AZOL GAS

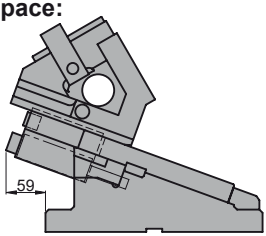
ANRP 0300 05
ANRP 0400 05



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
42.6	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	152.5	159.5	ANRP	0300 0400	05
		G ---	G 11783.9 (1201.6)					

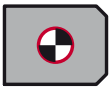
Order: Model (W) (α)

ANRP 0300 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 05-G

ANRP 0300 05-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

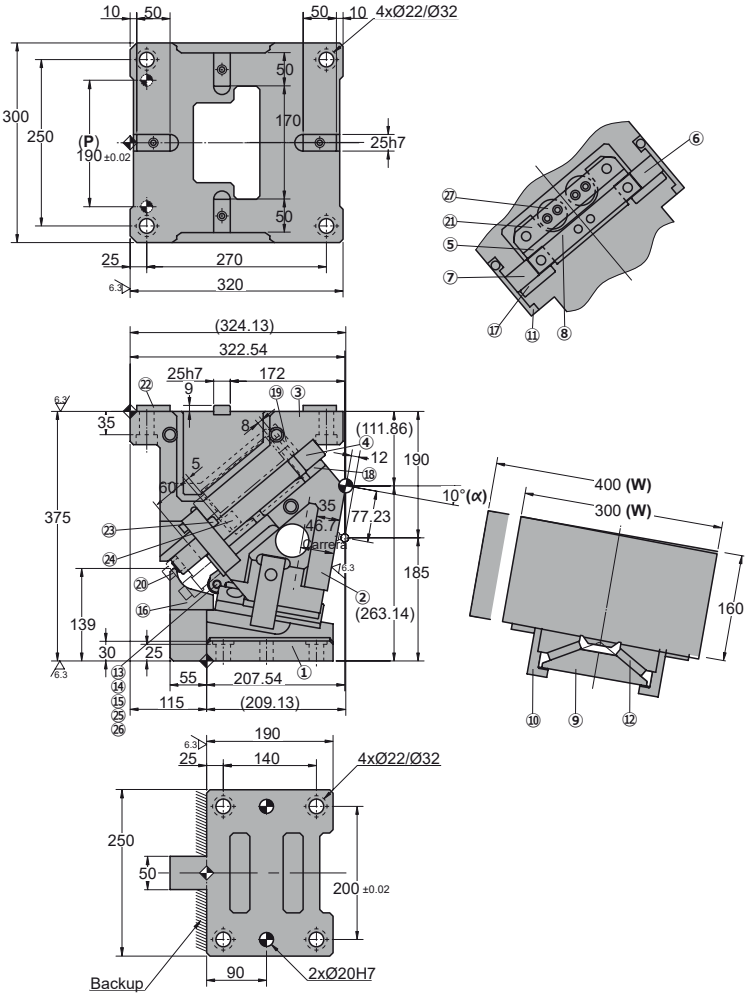
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

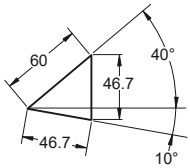
Aerial cam for pierce and flange

AZOL GAS

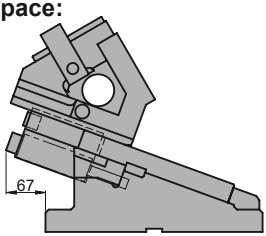
ANRP 0300 10
ANRP 0400 10



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
46.7	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	151.4	158.4	ANRP	0300 0400	10
		G ---	G 11783.9 (1201.6)					

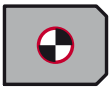
Order: Model (W) (α)

ANRP 0300 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 10-G

ANRP 0300 10-G-P16

SPARE PARTS:

⑤ Spring Guide
⑨ Slide Guide
⑰ Slider Plate B
⑱ Slider Plate C
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

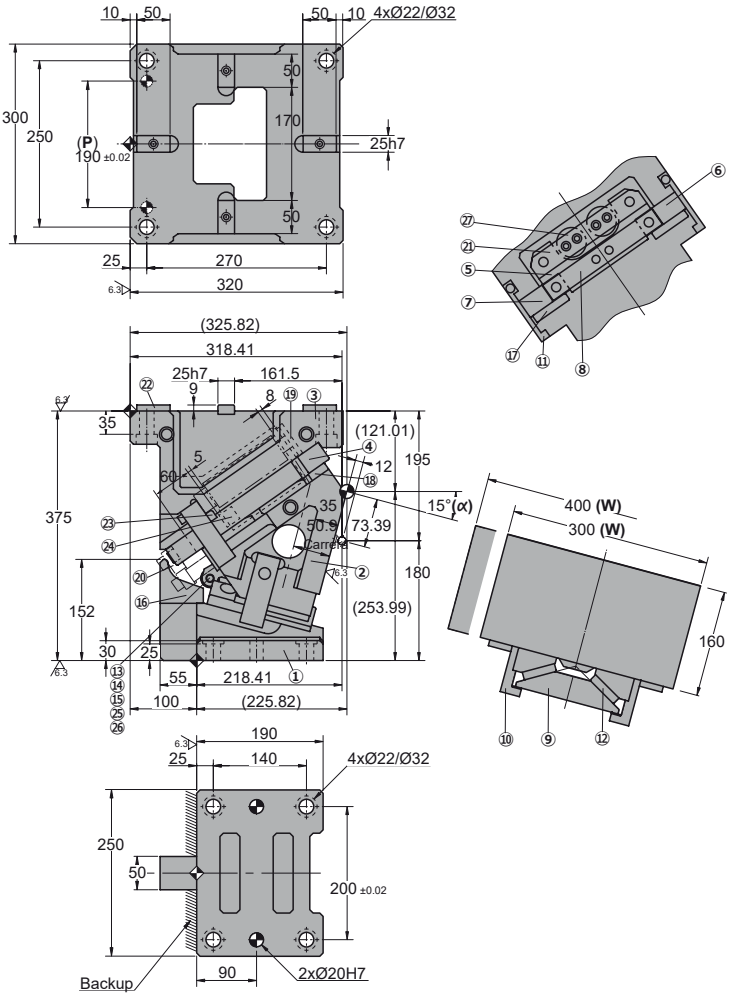
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

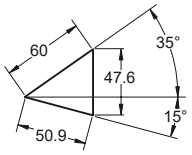
Aerial cam for pierce and flange

AZOL GAS

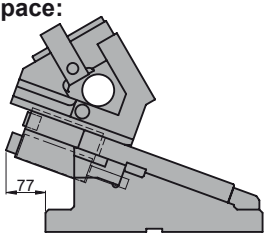
ANRP 0300 15
ANRP 0400 15



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
50.9	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	154.1	161.1	ANRP	0300 0400	15
		G ---	G 11783.9 (1201.6)					

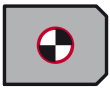
Order: Model (W) (α)

ANRP 0300 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 15-G

ANRP 0300 15-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

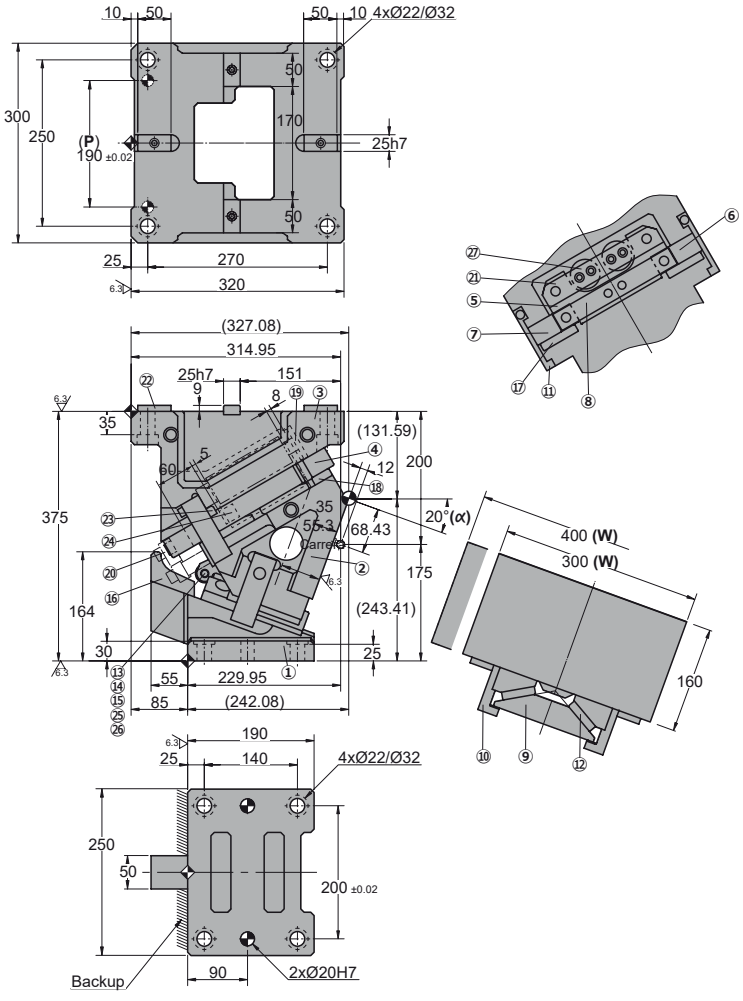
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

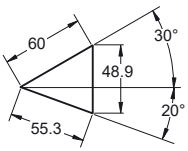
Aerial cam for pierce and flange

AZOL GAS

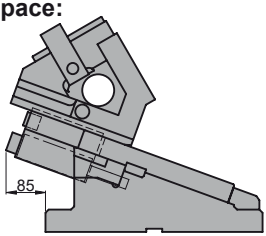
ANRP 0300 20
ANRP 0400 20



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
55.3	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.2	155.2	ANRP	0300 0400	20
		G ---	G 11783.9 (1201.6)					

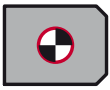
Order: Model (W) (α)

ANRP 0300 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 20-G

ANRP 0300 20-G-P16

SPARE PARTS:

⑤ Spring Guide
⑨ Slide Guide
⑰ Slider Plate B
⑱ Slider Plate C
㉗ Coil Spring
㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

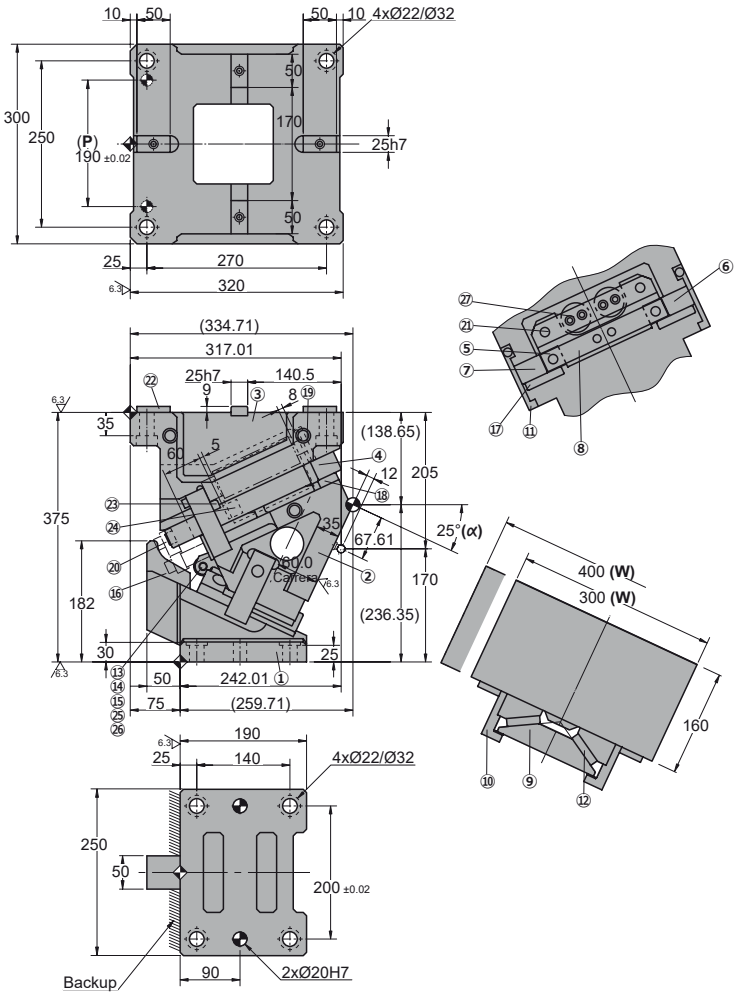
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

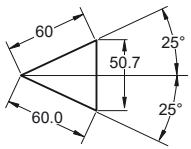
Aerial cam for pierce and flange

AZOL GAS

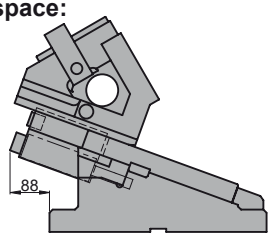
ANRP 0300 25
ANRP 0400 25



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
60.0	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	150.2	157.3	ANRP	0300 0400	25
		G ---	G 11783.9 (1201.6)					

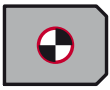
Order: Model (W) (α)

ANRP 0300 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 25-G

ANRP 0300 25-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑰ Slider Plate B
- ⑱ Slider Plate C
- ㉗ Coil Spring
- ㉗ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45
⑬	Bearing	1	CK45
⑭	Bearing Shaft	1	CK45
⑮	Roller Body	1	CK45

No.	Description	Qty.	Material
⑯	Bearing Guide	1	CK45
⑰	Slider Plate B	4	Bronze
⑱	Slider Plate C	1	Bronze
⑲	Coil Spring Holder	1	CK45
⑳	Locking plate	1	CK22
㉑	Spring Guide Plate	1	CK22
㉒	Key A	4	CK45
㉓	Key B	2	CK45
㉔	Stopper	3	Urethane
㉕	Bushing	1	Bronze + G
㉖	Elastic Ring	2	Ø9
㉗	Coil Spring	2	TJM50-203

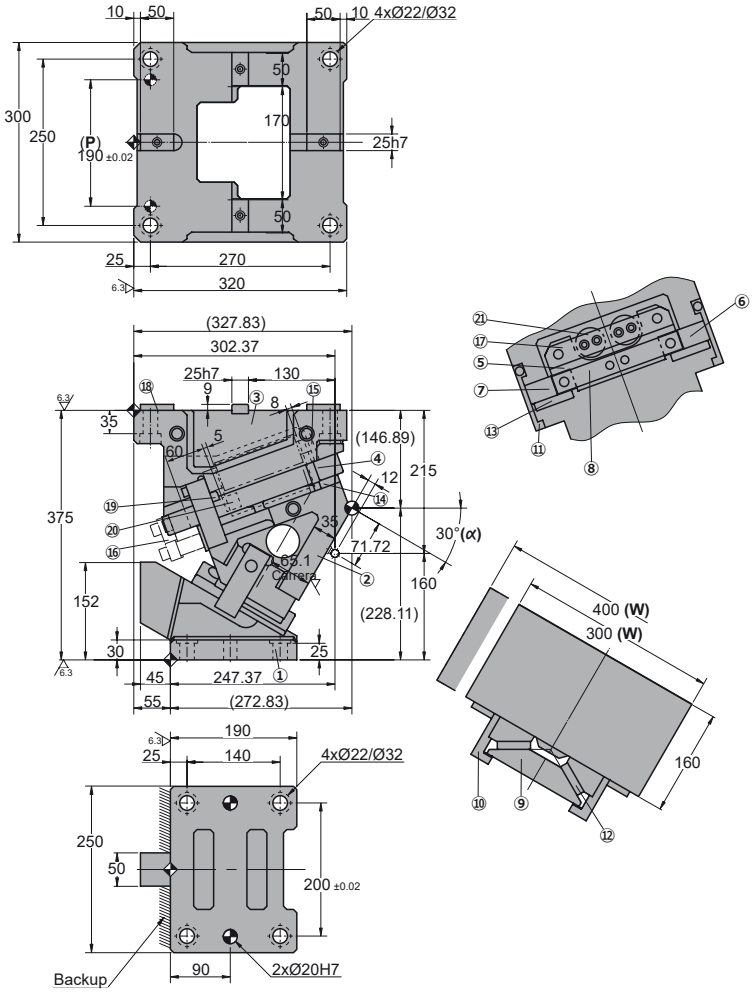
㉗	Gas Spring	2	FD 500 80

ANRP 0300-0400

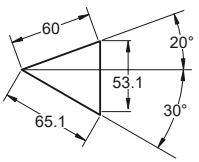
Aerial cam for pierce and flange

AZOL GAS

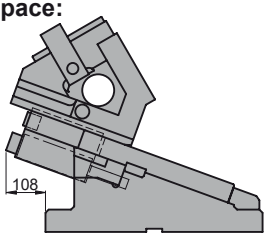
ANRP 0300 30
ANRP 0400 30



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
65.1	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	147.3	154.3	ANRP	0300 0400	30
		G ---	G 11783.9 (1201.6)					

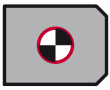
Order: Model (W) (α)

ANRP 0300 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 30-G

ANRP 0300 30-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

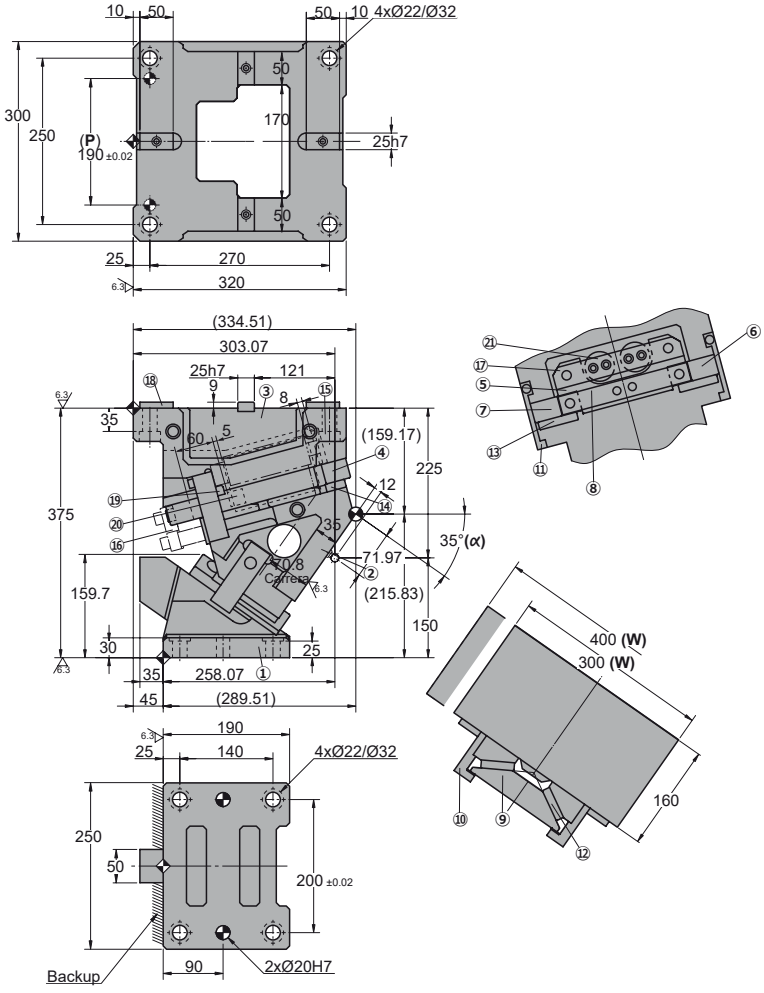
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

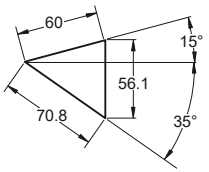
Aerial cam for pierce and flange

AZOL GAS

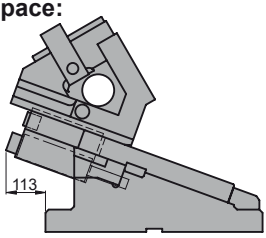
ANRP 0300 35
ANRP 0400 35



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
70.8	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.0	155.0	ANRP	0300 0400	35
		G ---	G 11783.9 (1201.6)					

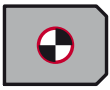
Order: Model (W) (α)

ANRP 0300 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 35-G

ANRP 0300 35-G-P16

SPARE PARTS:
- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

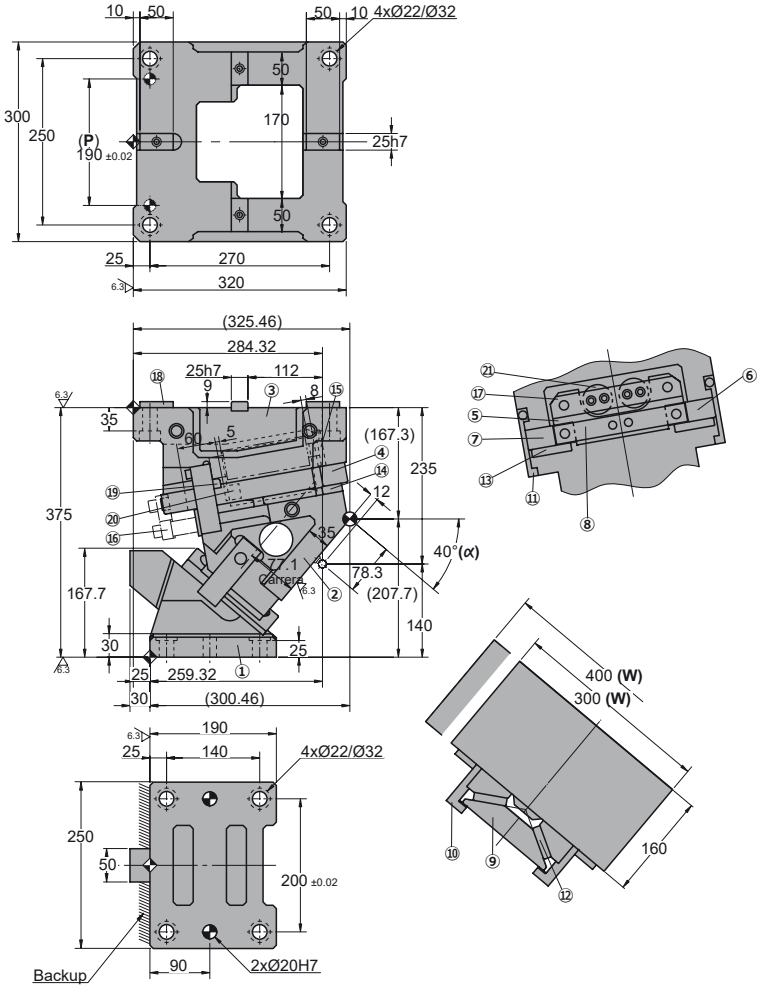
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

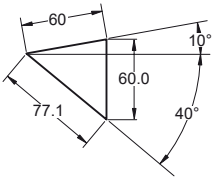
Aerial cam for pierce and flange

AZOL GAS

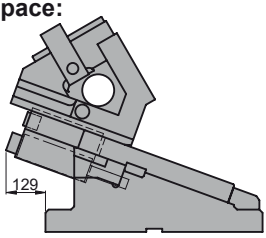
ANRP 0300 40
ANRP 0400 40



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
77.1	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	146.2	153.3	ANRP	0300 0400	40
		G ---	G 11783.9 (1201.6)					

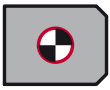
Order: Model (W) (α)

ANRP 0300 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 40-G

ANRP 0300 40-G-P16

SPARE PARTS:

⑤ Spring Guide
⑨ Slide Guide
⑬ Slider Plate B
⑭ Slider Plate C
㉑ Coil Spring
㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

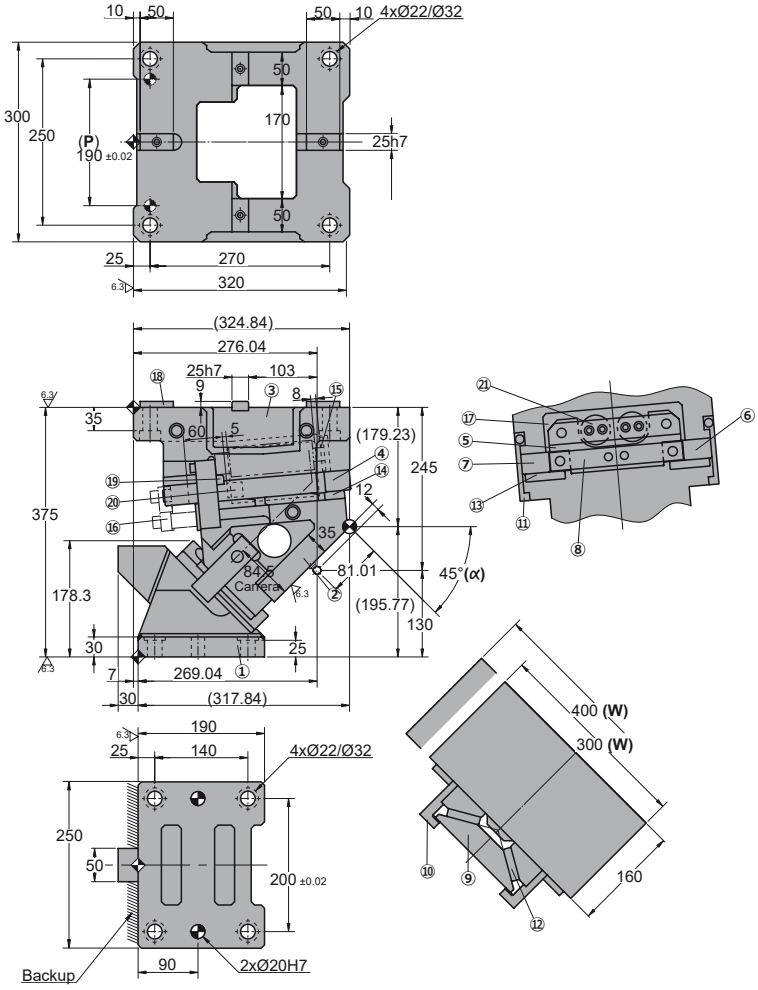
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

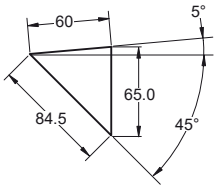
Aerial cam for pierce and flange

AZOL GAS

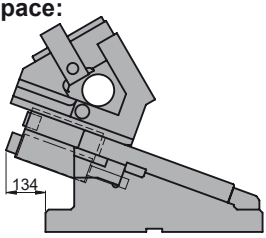
ANRP 0300 45
ANRP 0400 45



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
84.5	451.1 (46.0)	1314.1 (134.0)	9198.0 (937.9)	148.6	155.6	ANRP	0300 0400	45
		G ---	G 11783.9 (1201.6)					

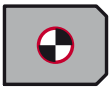
Order: Model (W) (α)

ANRP 0300 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 45-G

ANRP 0300 45-G-P16

SPARE PARTS:
- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

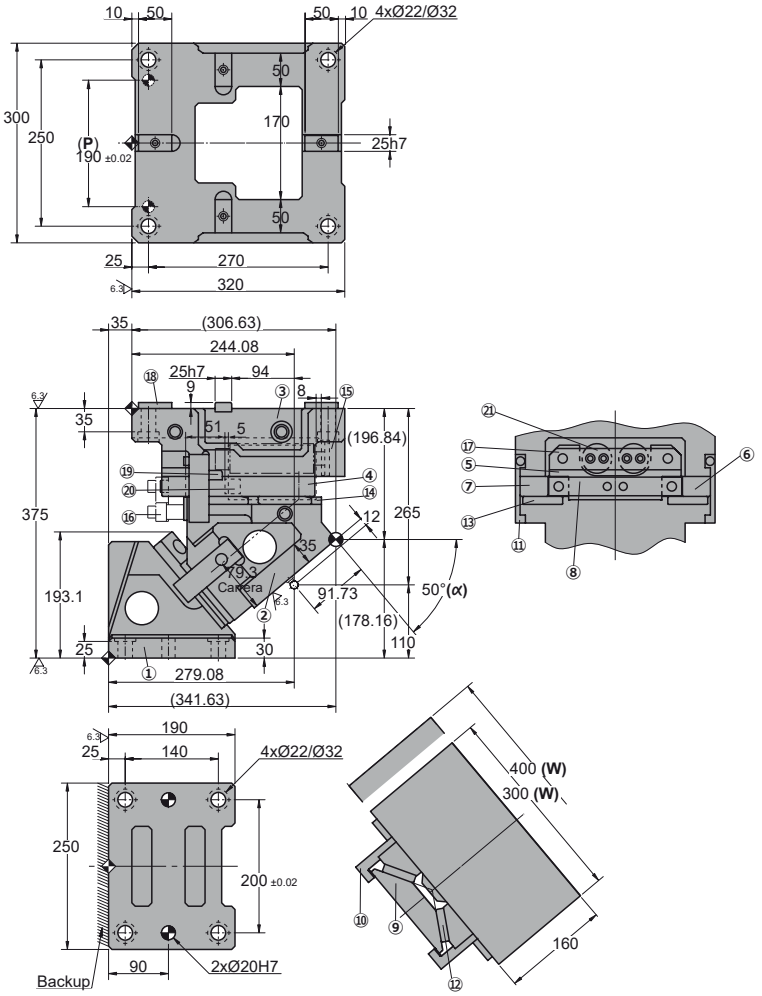
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

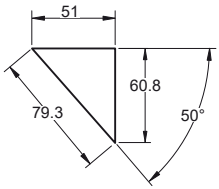
Aerial cam for pierce and flange

AZOL GAS

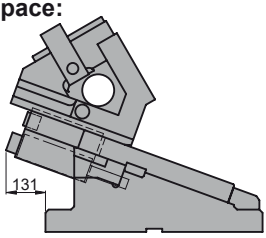
ANRP 0300 50
ANRP 0400 50



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
79.3	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	122.5	127.7	ANRP	0300 0400	50
		G ---	G 11352.1 (1157.6)					

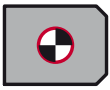
Order: Model (W) (α)

ANRP 0300 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 50-G

ANRP 0300 50-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

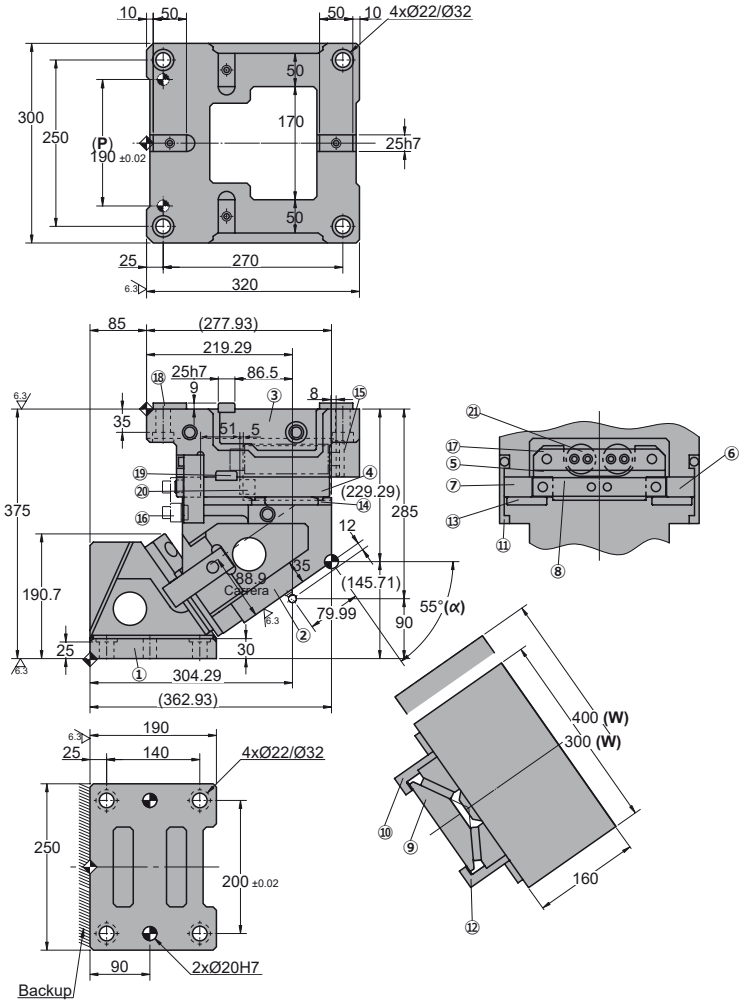
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

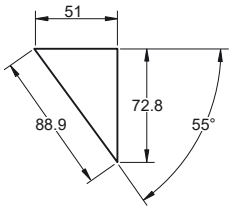
Aerial cam for pierce and flange

AZOL GAS

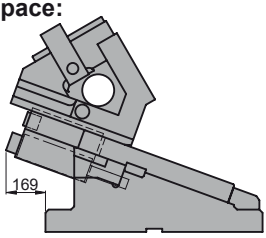
ANRP 0300 55
ANRP 0400 55



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
88.9	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	130.9	135.9	ANRP	0300 0400	55
		G ---	G 11352.1 (1157.6)					

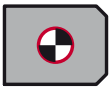
Order: Model (W) (α)

ANRP 0300 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 55-G

ANRP 0300 55-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

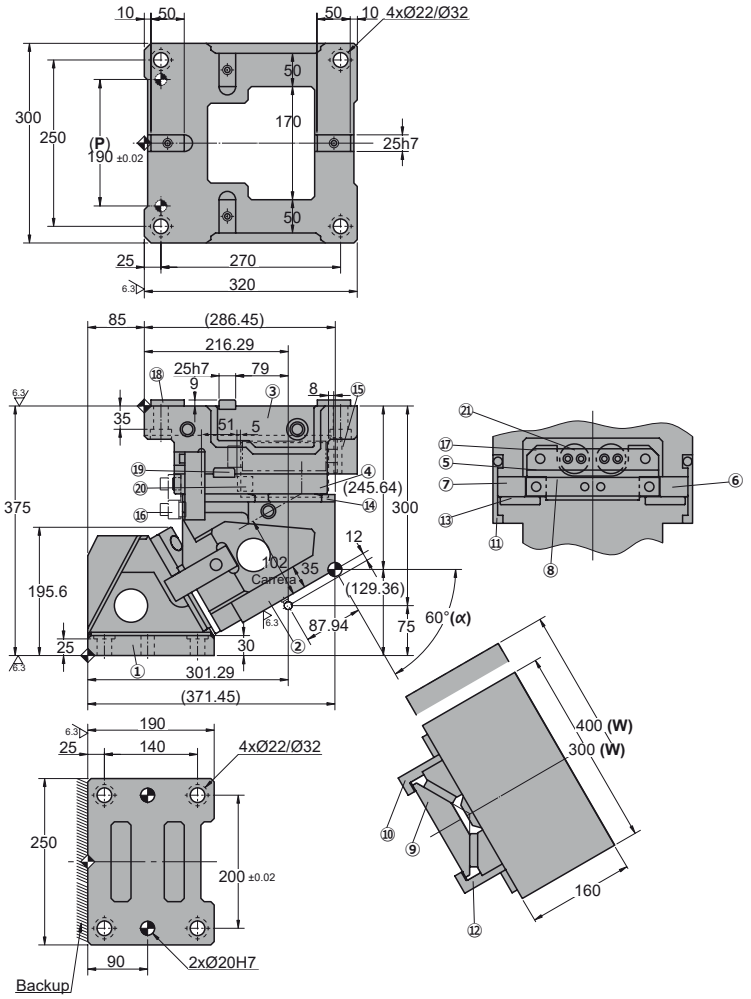
㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

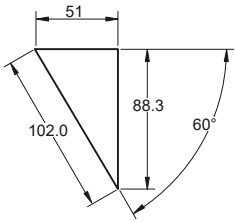
Aerial cam for pierce and flange

AZOL GAS

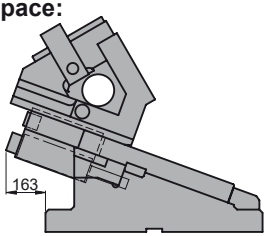
ANRP 0300 60
ANRP 0400 60



◦Cam diagram:



◦Desassembling space:



AZOL GAS

ANRP 0300-0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg) W=300	Weight (Kg) W=400	Model	W (mm)	α (mm)
102.0	451.1 (46.0)	1314.1 (134.0)	8015.4 (817.9)	135.3	140.4	ANRP	0300 0400	60
		G ---	G 11352.1 (1157.6)					

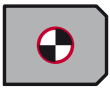
Order: Model (W) (α)

ANRP 0300 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P 16 - Ø16 H7.
P 20 - Ø20 H7. (Only cam holder)

G GAS SPRING



G Gas spring included in the cam

Order Options: Model (W) (α)-Option

ANRP 0300 60-G

ANRP 0300 60-G-P16

SPARE PARTS:

- ⑤ Spring Guide
- ⑨ Slide Guide
- ⑬ Slider Plate B
- ⑭ Slider Plate C
- ㉑ Coil Spring
- ㉑ Gas spring **(G)**

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25
②	Cam Slider	1	GG25
③	Cam Holder	1	GG25
④	Base Plate	1	CK45
⑤	Spring Guide	1	Bronze + G
⑥	Base Plate F-R	1	CK45
⑦	Base Plate F-L	1	CK45
⑧	Stopper Plate	1	CK45
⑨	Slide Guide	1	Bronze + G
⑩	Positive Return A	2	CK45
⑪	Positive Return B	2	CK22
⑫	Slider Plate A	2	CK45

No.	Description	Qty.	Material
⑬	Slider Plate B	4	Bronze
⑭	Slider Plate C	1	Bronze
⑮	Coil Spring Holder	1	CK45
⑯	Locking plate	1	CK22
⑰	Spring Guide Plate	1	CK22
⑱	Key A	4	CK45
⑲	Key B	2	CK45
⑳	Stopper	3	Urethane
㉑	Coil Spring	2	TJM50-203

㉑	Gas Spring	2	FD 500 80

ANRP 0300-0400

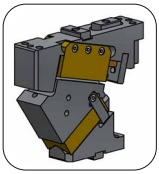
Aerial cam for pierce and flange

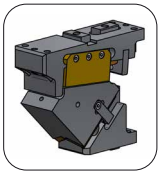
AZOL GAS

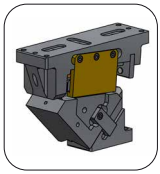
ASVX

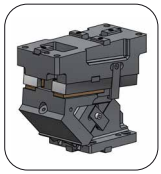
Aerial cam for pierce and flange

General information


ASVX 0060


ASVX 0085


ASVX 0110


ASVX 0165


ASVX 0200


ASVX 0250


ASVX 0300

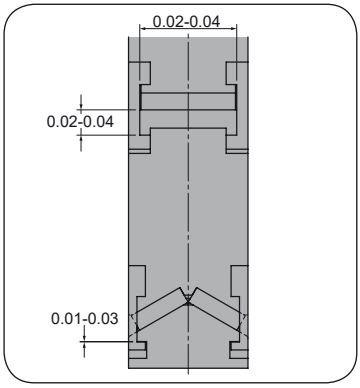

ASVX 0350


ASVX 0400

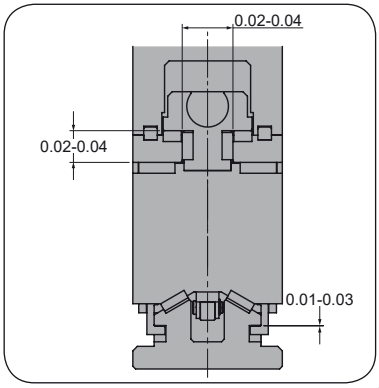
- Aerial cam.
- Angles from 0° to 75° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Gas spring equiped unit.
- According to VDI-BAK.

Adjustment clearances

ASVX 0060 / 0085 / 0110



ASVX 0165 / 0200 / 0250 / 0300 / 0350 / 0400



ASVX

Aerial cam for pierce and flange

AZOL GAS

Assembling and disassembling

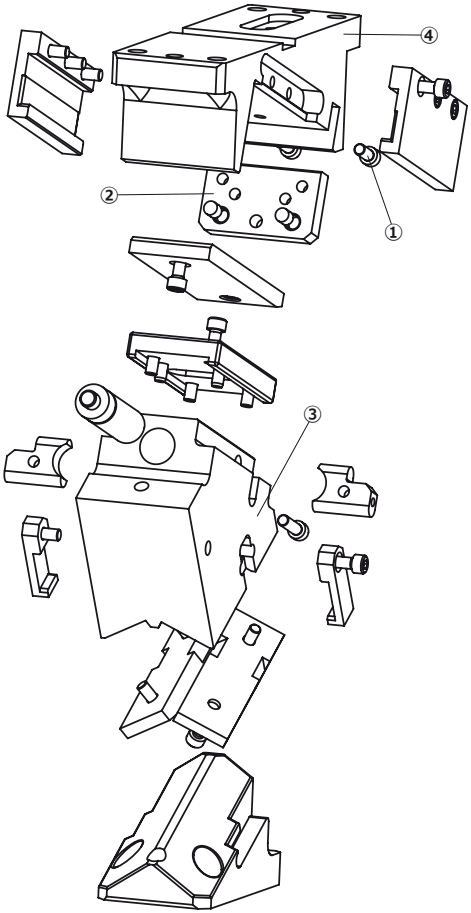
ASVX 0060 / 0085 / 0110

Disassembling process

- Unscrew ① pieces and remove securyti plate ②.
- Unmount cam slider ③ from cam holder ④.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

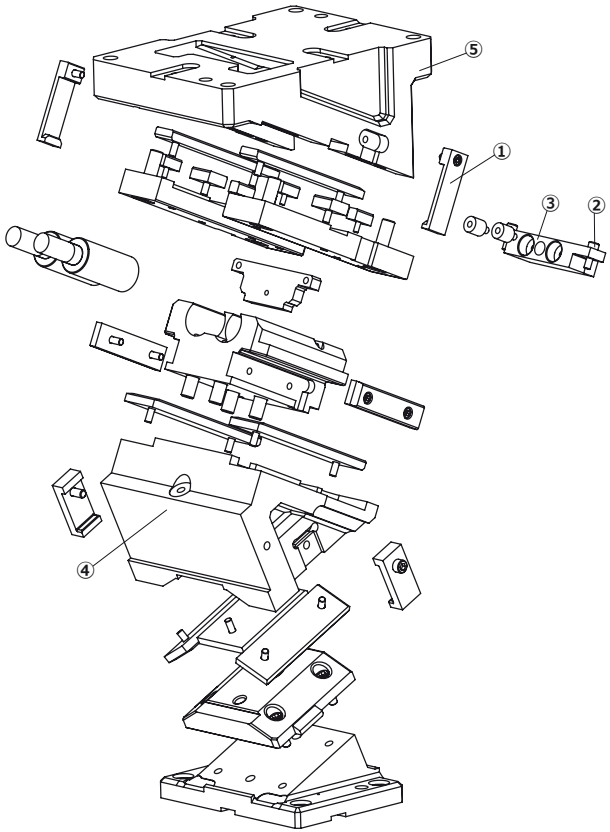
ASVX 0165 / 0200 / 0250 / 0300 / 0350 / 0400

Disassembling process

- Unmount extraction plate ①.
- Unscrew ② pieces and stopper platec ③.
- Remove cam slider ④ from cam support ⑤ from the back.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



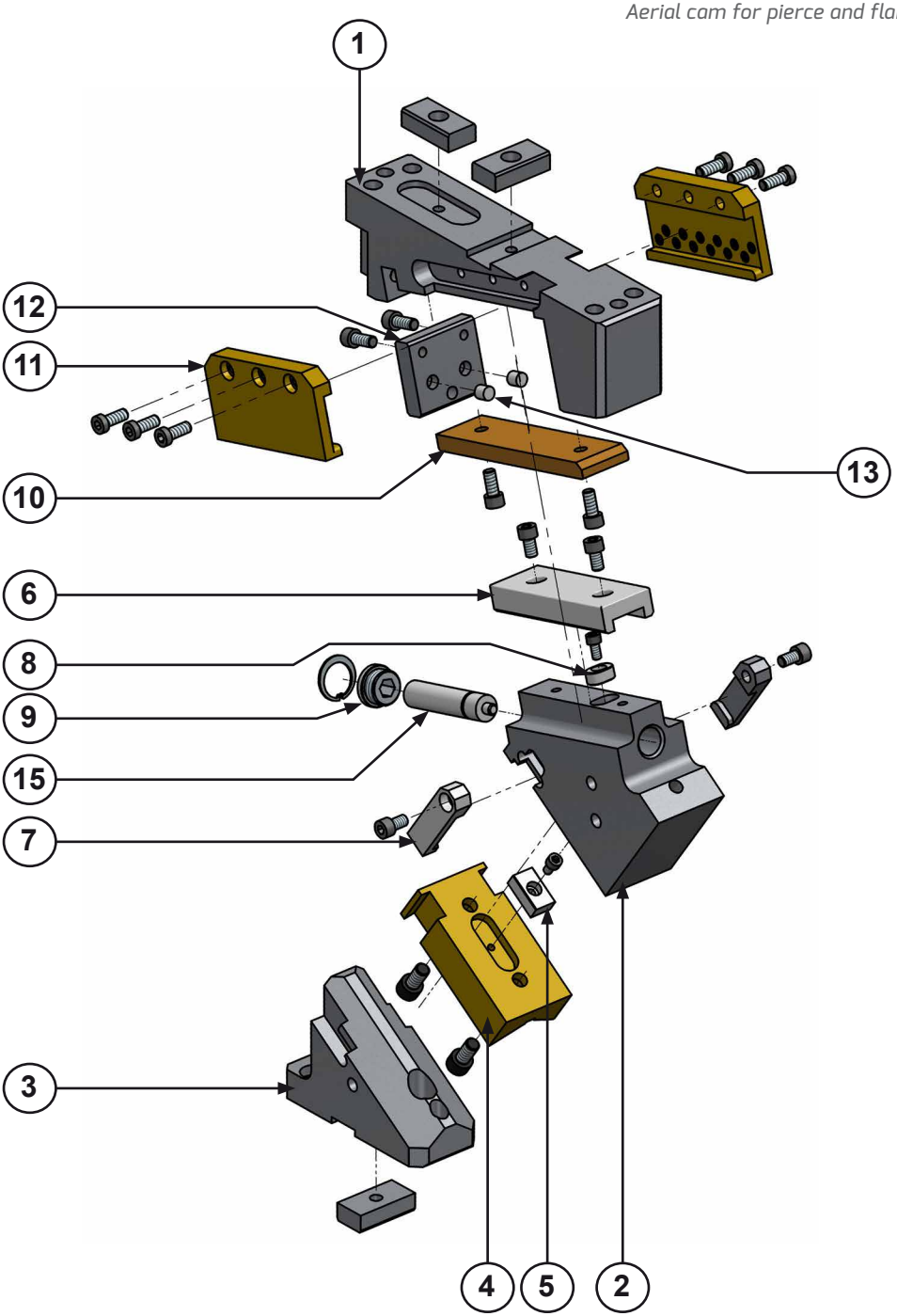
ASVX

Serie cerrada para pie con brida doble

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

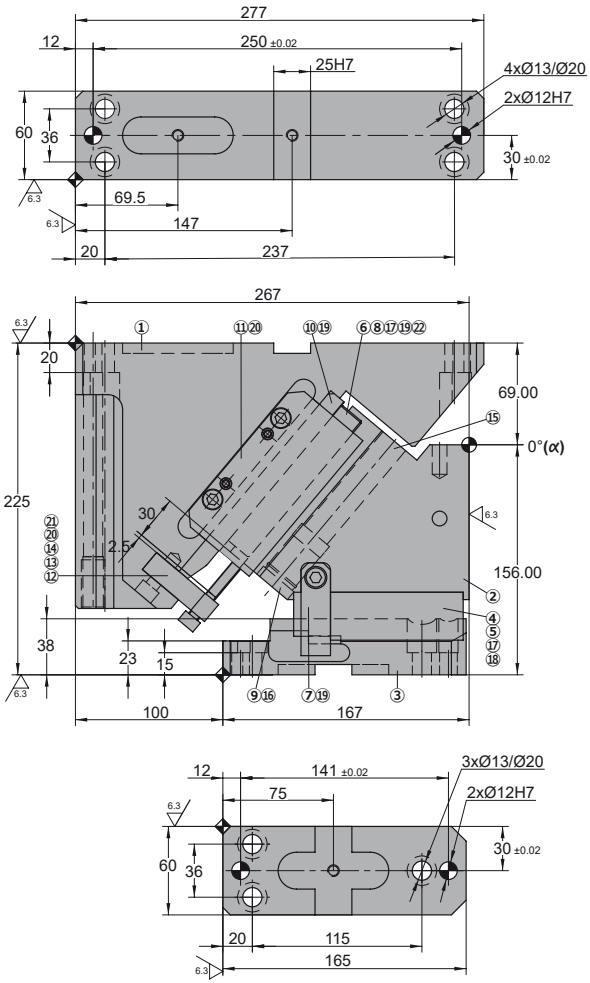


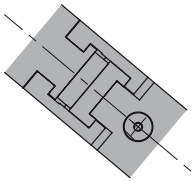
ASVX 0060

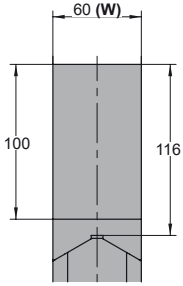
Aerial cam for pierce and flange

AZOL GAS

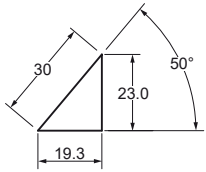
ASVX 0060 00







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
19.3	75.0 (7.6)	---	2580.6 (263.3)	20.8	ASVX	0060	00

Order: Model (W) (α)

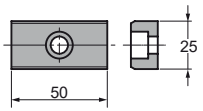
ASVX 0060 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 00-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

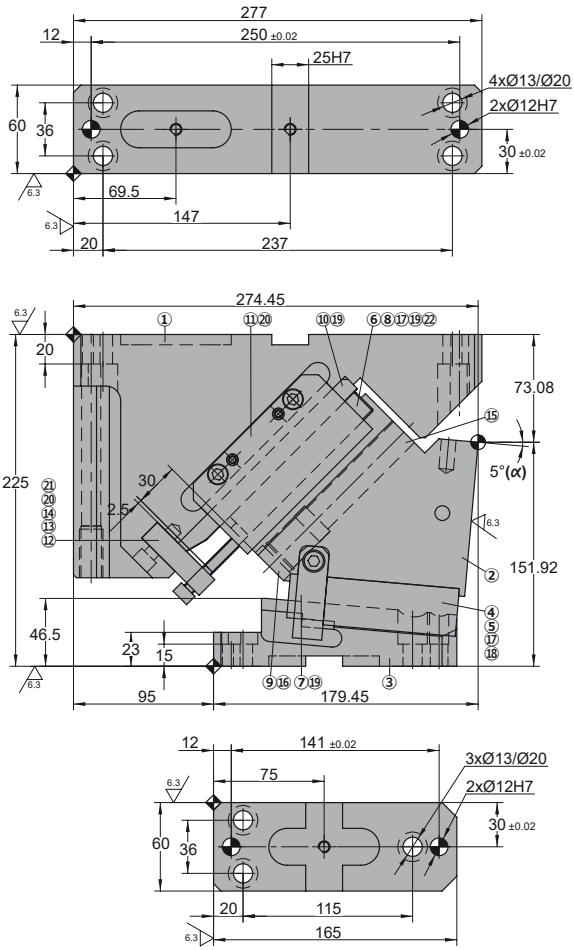
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

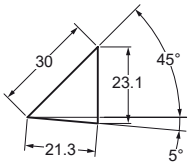
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 05



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
21.3	75.0 (7.6)	---	2580.6 (263.3)	20.5	ASVX	0060	05

Order: Model (W) (α)

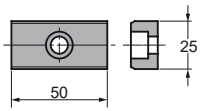
ASVX 0060 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 05-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

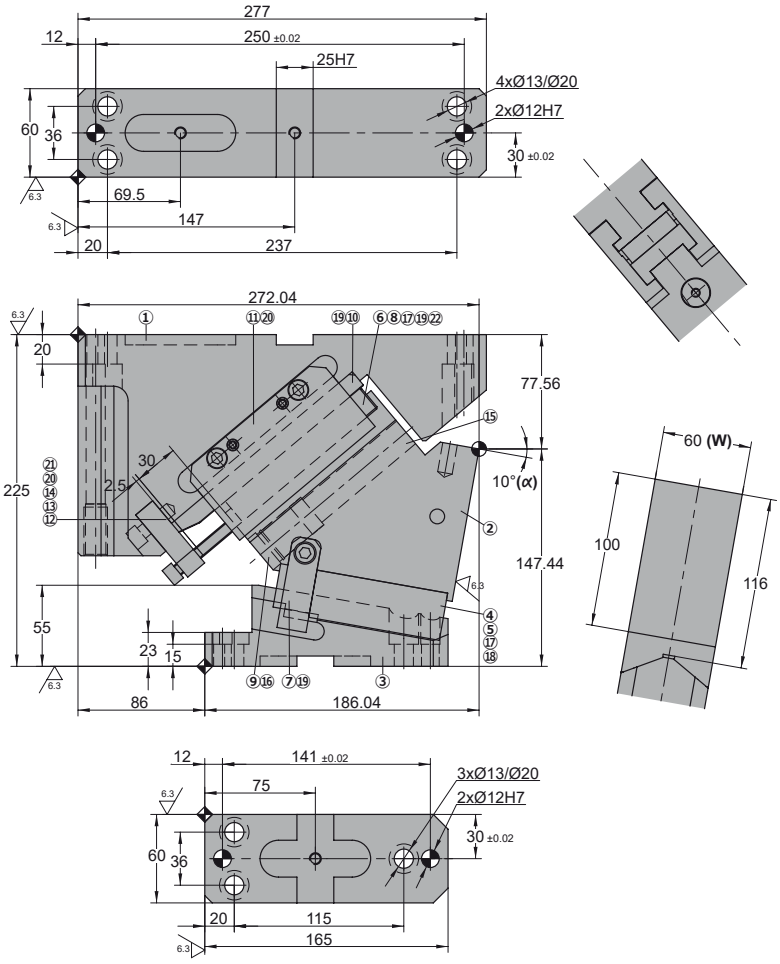
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

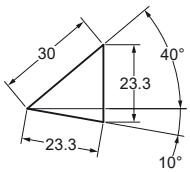
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 10



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	75.0 (7.6)	---	2580.6 (263.3)	19.7	ASVX	0060	10

Order: Model (W) (α)

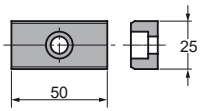
ASVX 0060 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 10-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

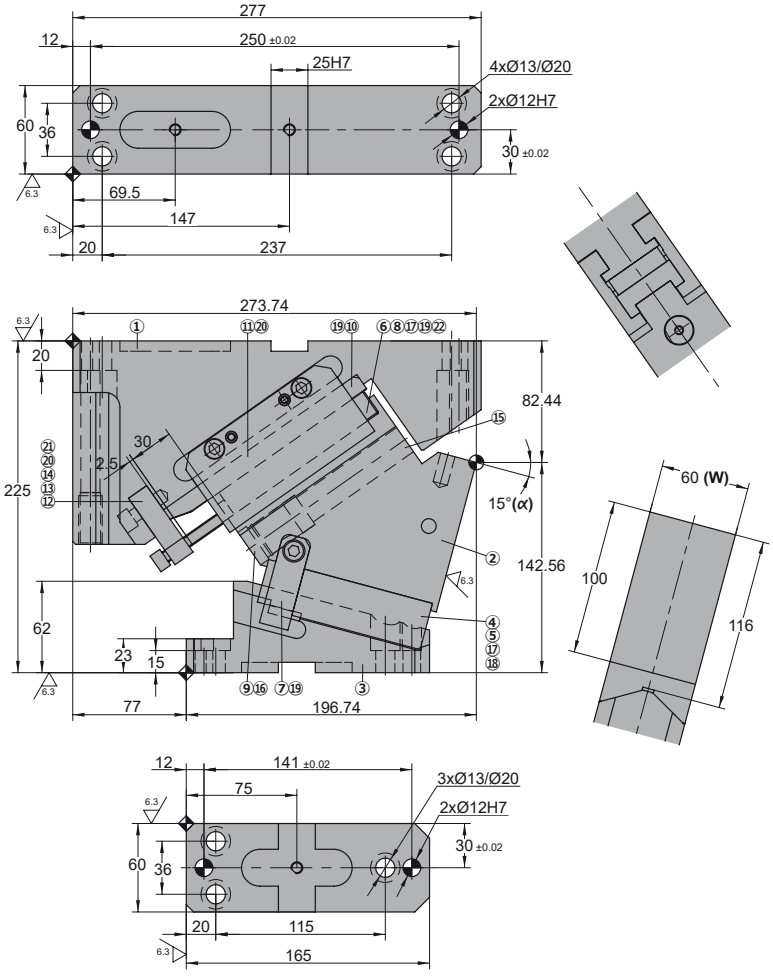
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

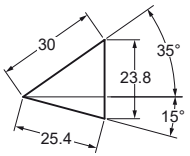
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 15



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
25.4	75.0 (7.6)	---	2580.6 (263.3)	19.3	ASVX	0060	15

Order: Model (W) (α)

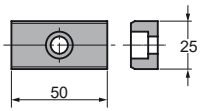
ASVX 0060 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 15-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

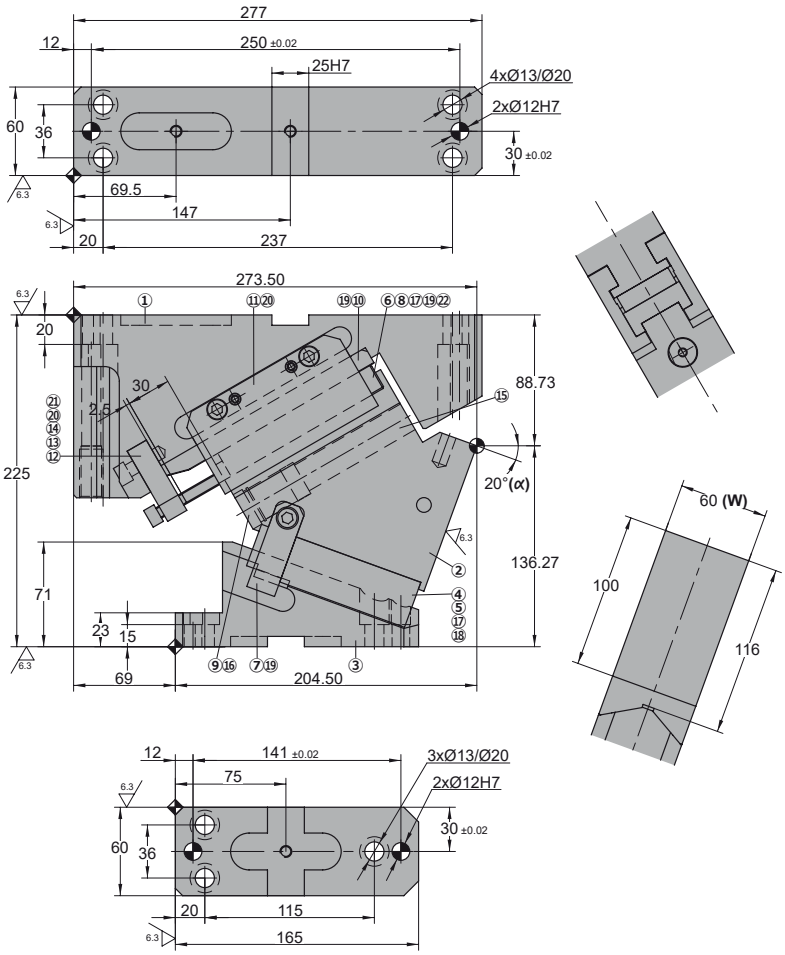
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

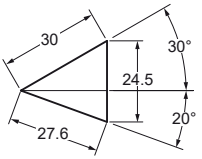
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 20



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
27.6	75.0 (7.6)	---	2580.6 (263.3)	18.9	ASVX	0060	20

Order: Model (W) (α)

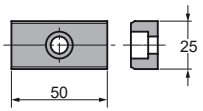
ASVX 0060 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 20-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

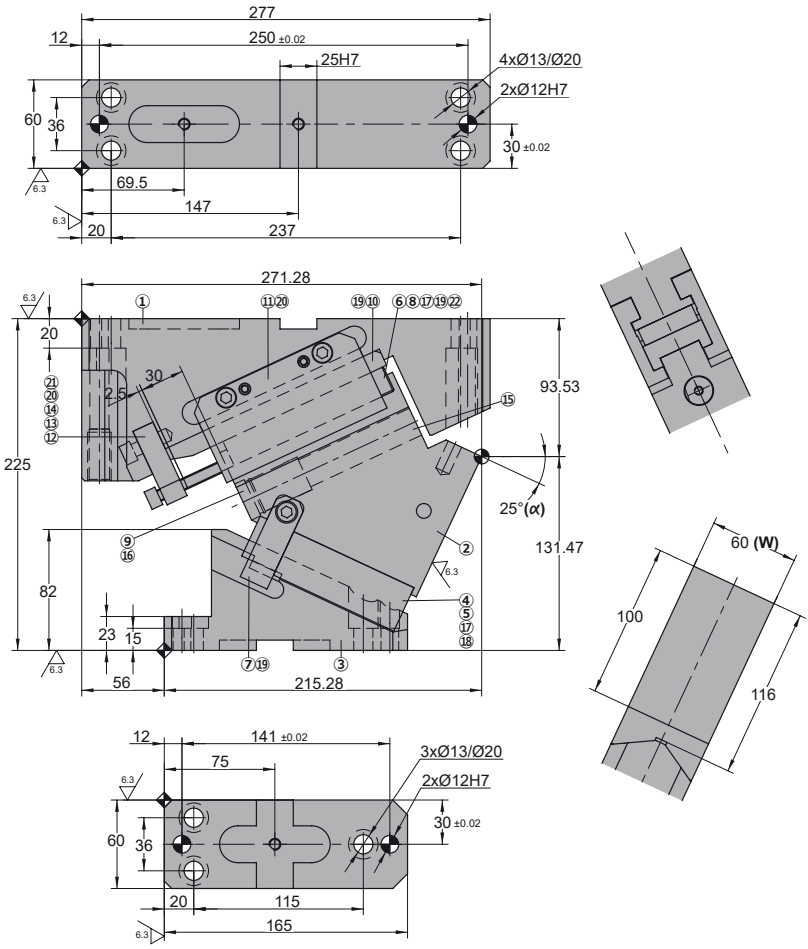
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

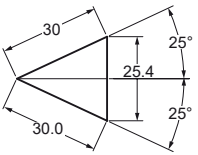
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.0	75.0 (7.6)	---	2580.6 (263.3)	18.8	ASVX	0060	25

Order: Model (W) (α)

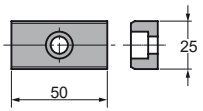
ASVX 0060 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 25-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

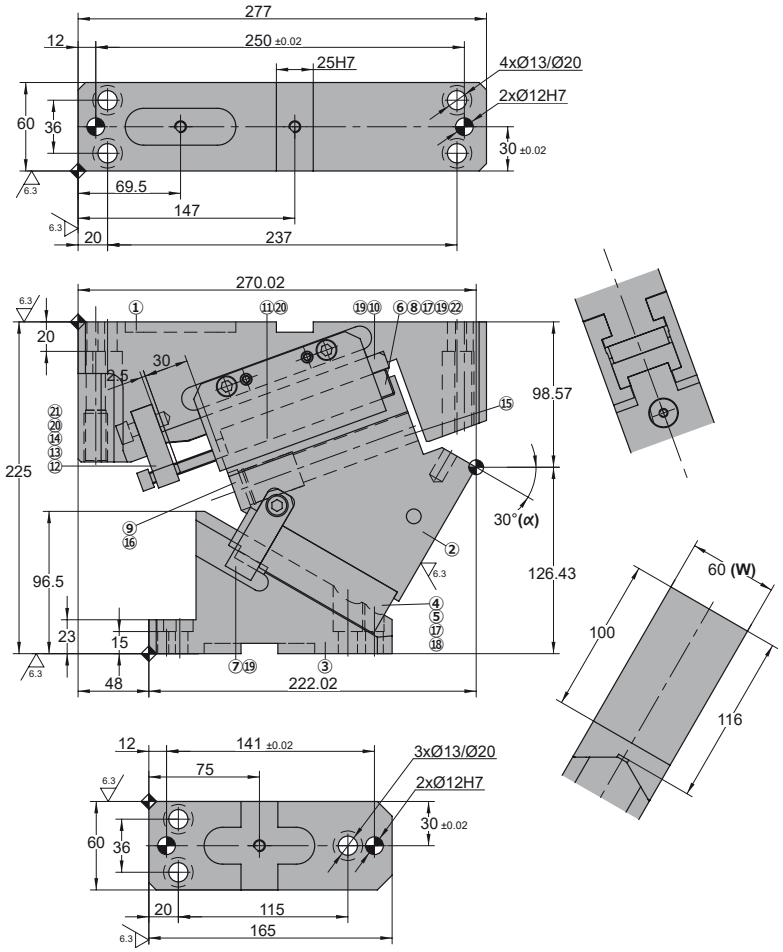
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

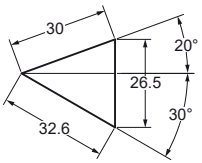
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 30



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.6	75.0 (7.6)	---	2580.6 (263.3)	18.4	ASVX	0060	30

Order: Model (W) (α)

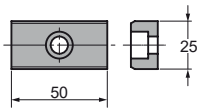
ASVX 0060 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 30-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

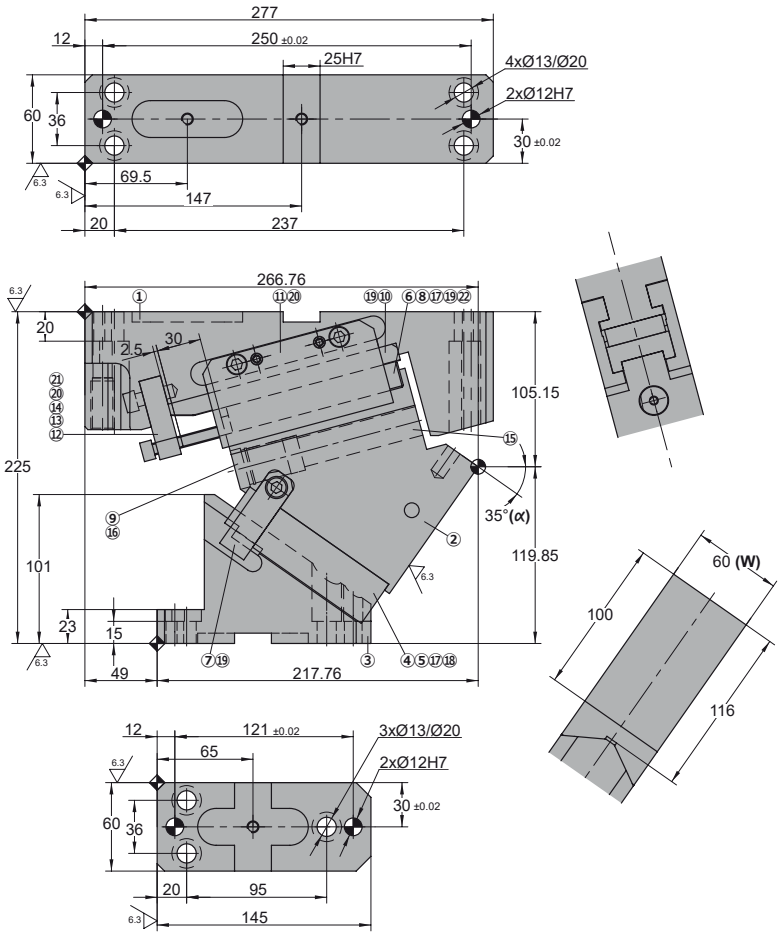
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

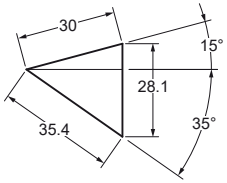
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 35



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	75.0 (7.6)	---	2580.6 (263.3)	17.7	ASVX	0060	35

Order: Model (W) (α)

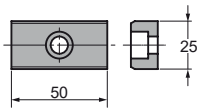
ASVX 0060 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 35-K

SPARE PARTS:
④ Slide Guide
⑩ Slider Plate
⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

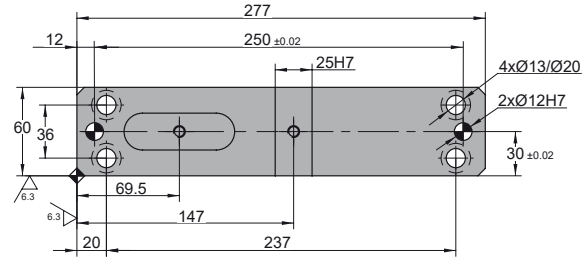
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

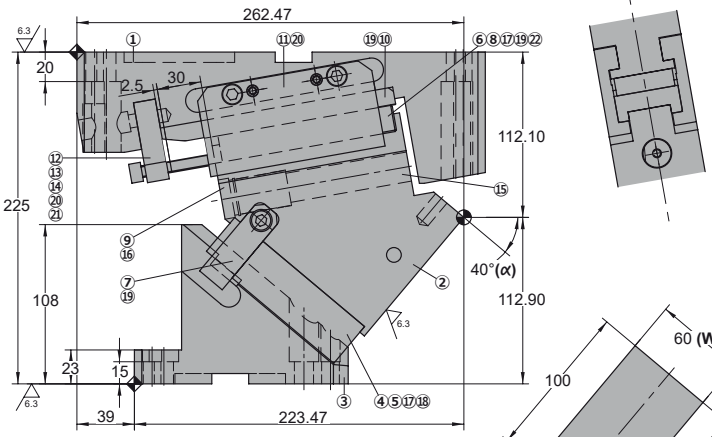
ASVX 0060

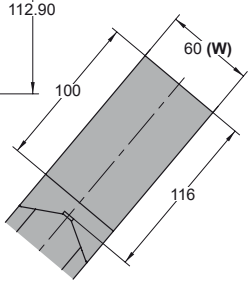
Aerial cam for pierce and flange

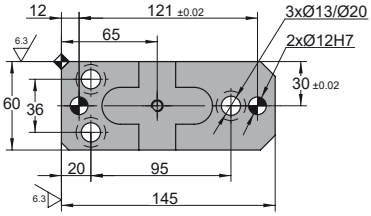
AZOL GAS

ASVX 0060 40

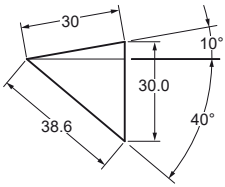








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	75.0 (7.6)	---	2580.6 (263.3)	17.5	ASVX	0060	40

Order: Model (W) (α)

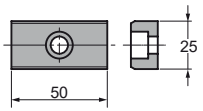
ASVX 0060 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 40-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

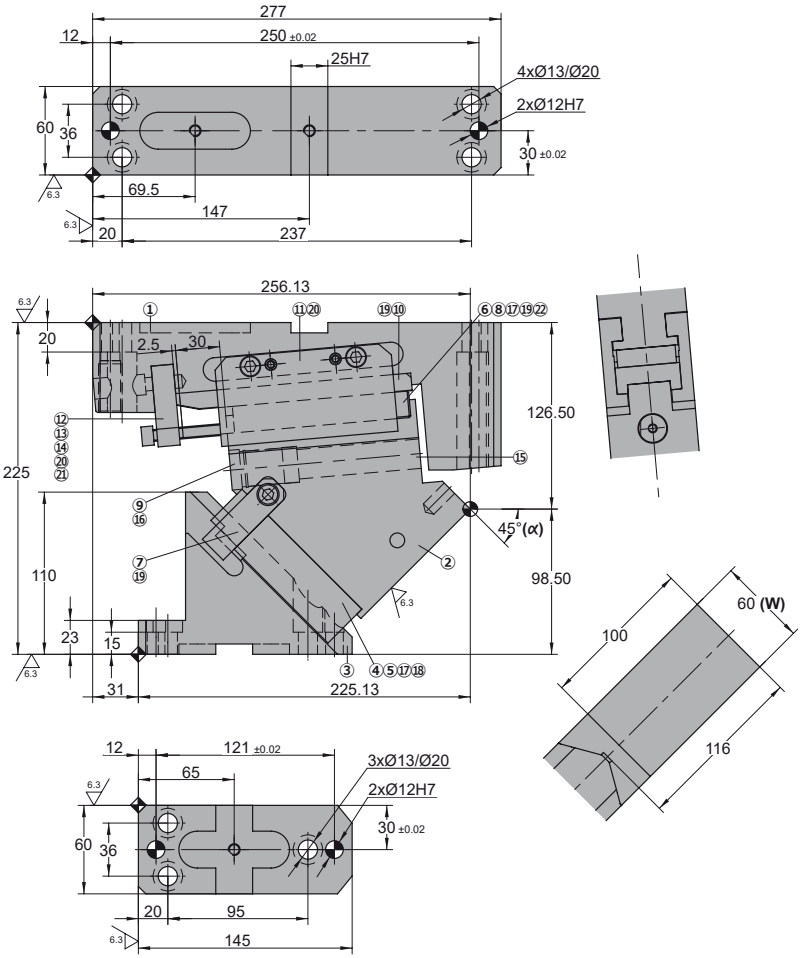
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

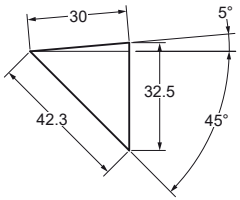
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 45



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	75.0 (7.6)	---	2580.6 (263.3)	17.6	ASVX	0060	45

Order: Model (W) (α)

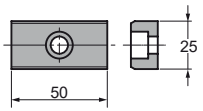
ASVX 0060 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 45-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

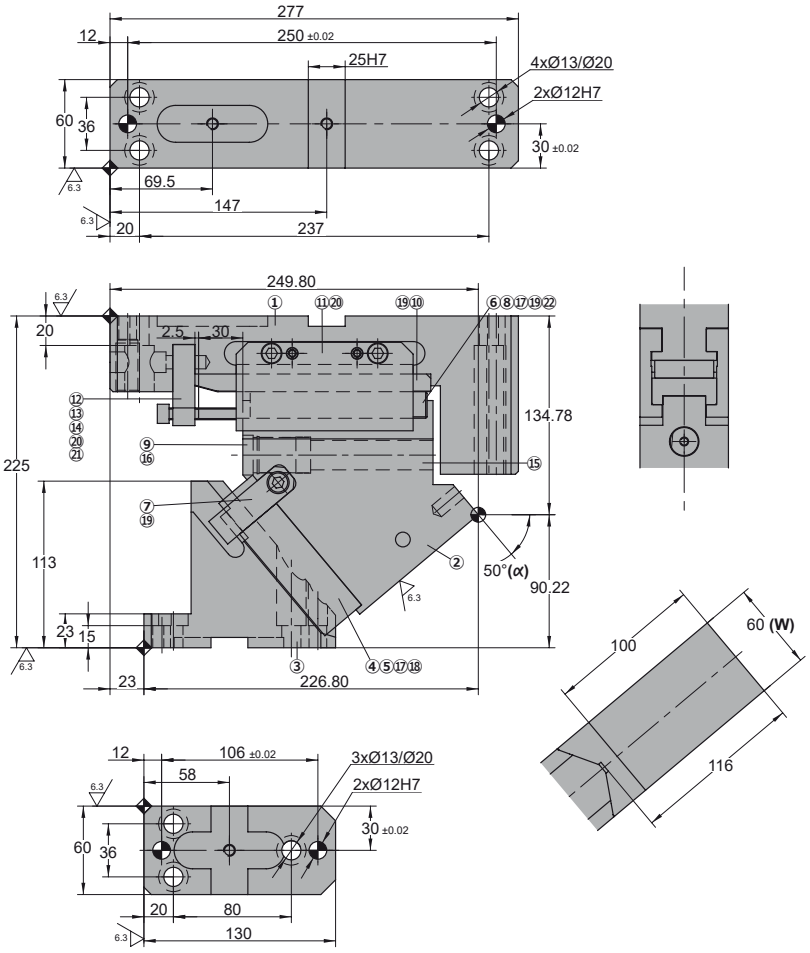
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

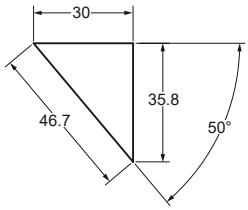
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	75.0 (7.6)	---	2580.6 (263.3)	17.5	ASVX	0060	50

Order: Model (W) (α)

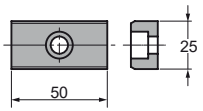
ASVX 0060 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 50-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

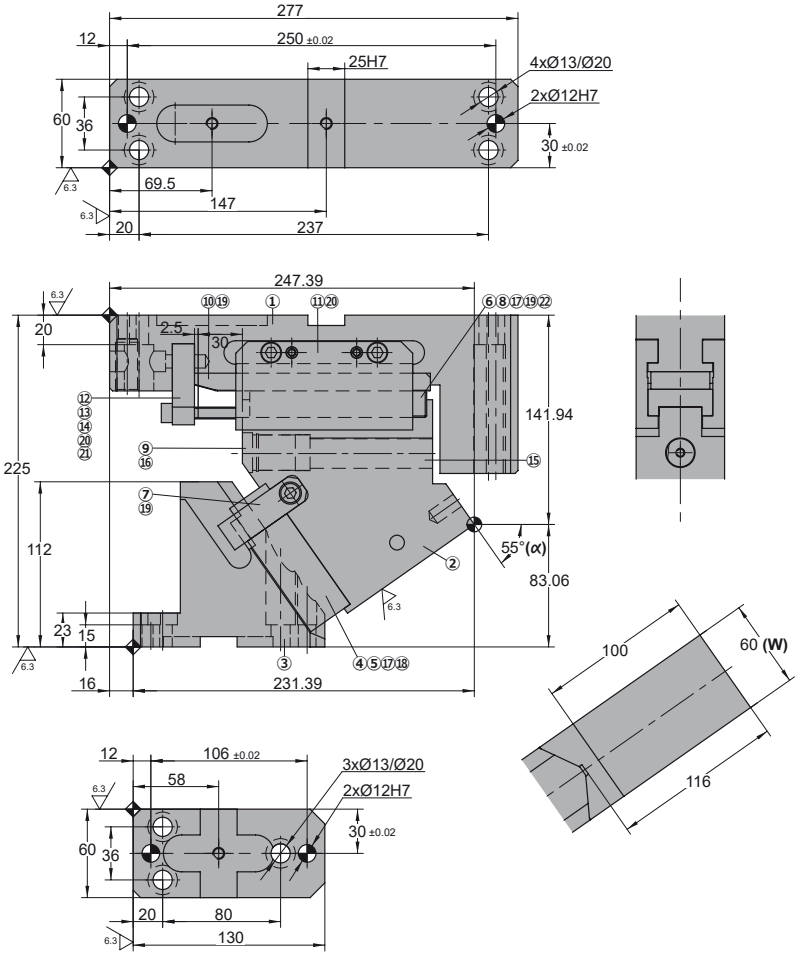
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

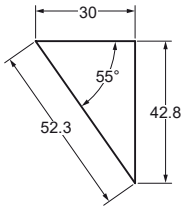
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 55



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	75.0 (7.6)	---	2580.6 (263.3)	17.6	ASVX	0060	55

Order: Model (W) (α)

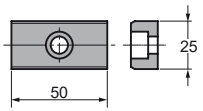
ASVX 0060 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 55-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

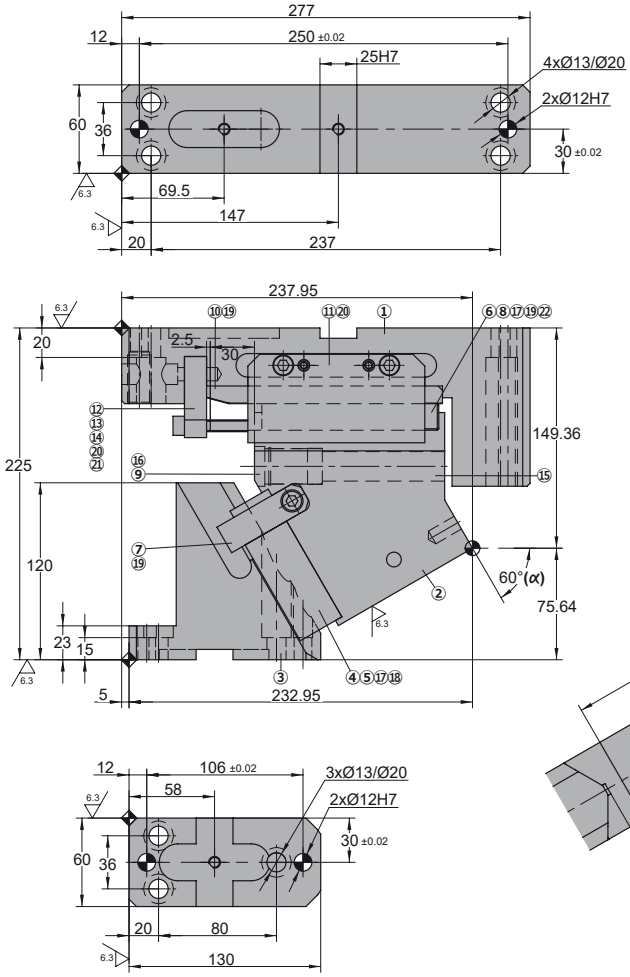
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

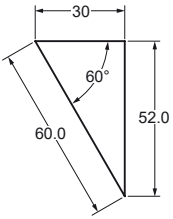
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	75.0 (7.6)	---	2580.6 (263.3)	17.9	ASVX	0060	60

Order: Model (W) (α)

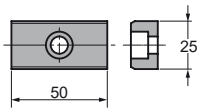
ASVX 0060 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 60-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

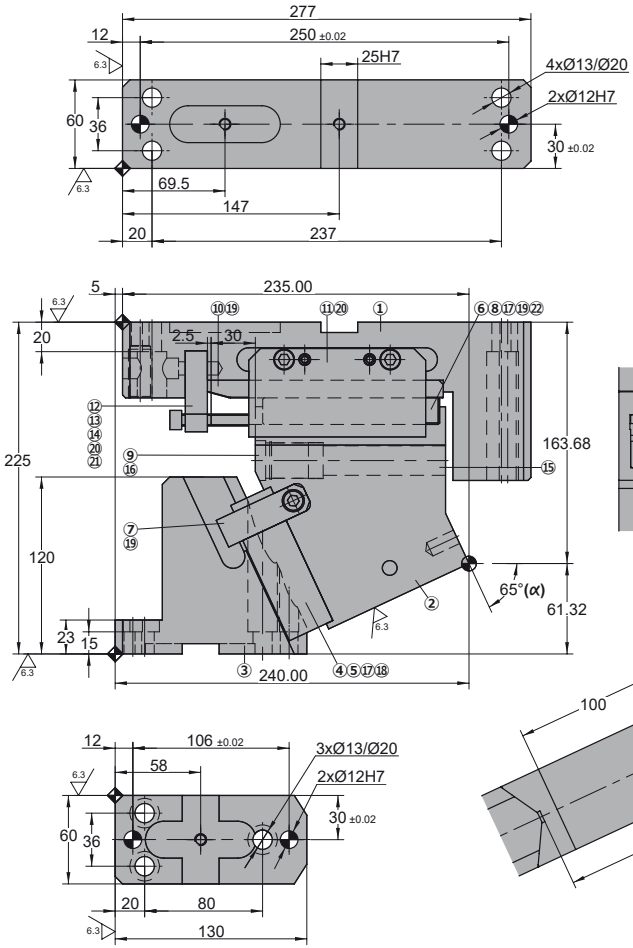
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

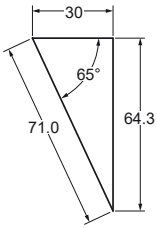
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 65



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
71.0	75.0 (7.6)	---	2580.6 (263.3)	18.6	ASVX	0060	65

Order: Model (W) (α)

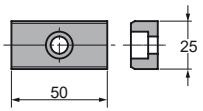
ASVX 0060 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 65-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 038

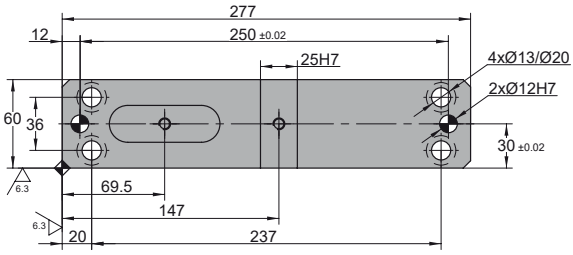
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 60
㉒	Dowel Pin	2	Ø8 x 25

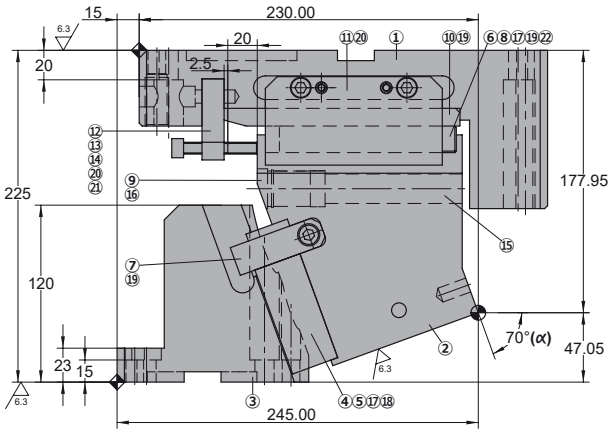
ASVX 0060

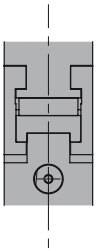
Aerial cam for pierce and flange

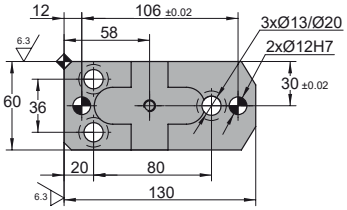
AZOL GAS

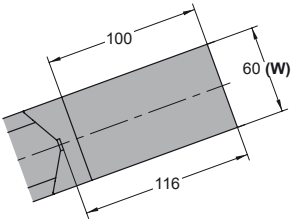
ASVX 0060 70



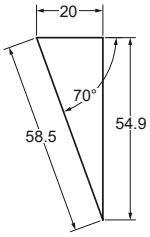








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	75.0 (7.6)	---	2583.7 (263.6)	18.8	ASVX	0060	70

Order: Model (W) (α)

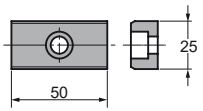
ASVX 0060 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 70-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 025

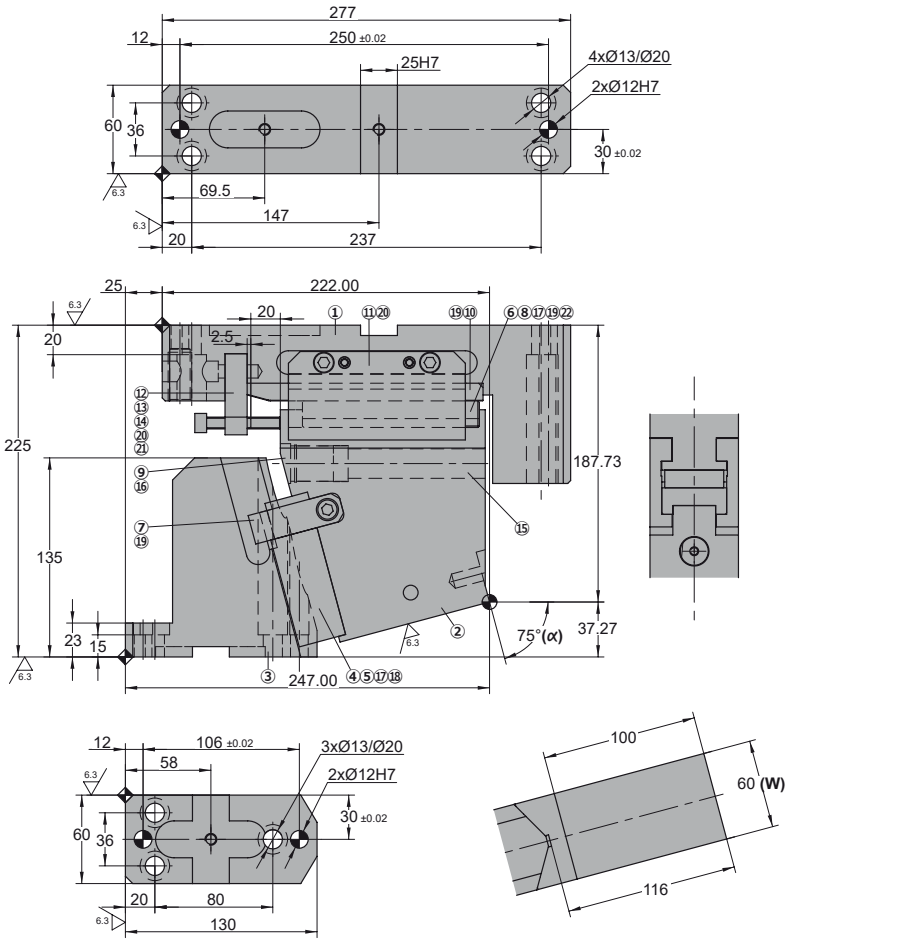
No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 50
㉒	Dowel Pin	2	Ø8 x 25

ASVX 0060

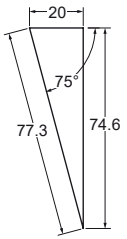
Aerial cam for pierce and flange

AZOL GAS

ASVX 0060 75



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0060

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.3	75.0 (7.6)	---	2583.7 (263.6)	19.7	ASVX	0060	75

Order: Model (W) (α)

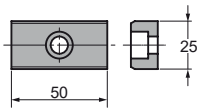
ASVX 0060 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0060 75-K

SPARE PARTS:
- ④ Slide Guide
- ⑩ Slider Plate
- ⑮ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GGG50
②	Cam Slider	1	GGG50 + G
③	Cam Driver	1	GGG50
④	Slide Guide	1	Bronze + G
⑤	Key A	1	CK45
⑥	Guide Plate	1	CK45
⑦	Positive Return	2	CK45
⑧	Key B	1	CK45
⑨	Spring Spacer	1	CK45
⑩	Slider Plate	1	Bronze + G
⑪	Side Guide	2	Bronze + G
⑫	Stopper Plate	1	CK45
⑬	Stopper	2	Urethane
⑭	Locking Stopper	1	CK45
⑮	Gas Spring	1	CW 170 025

No.	Descripción	Qty.	Material
⑯	Screw	2	M8 x 45
⑰	Screw	2	M6 x 15
⑱	Screw	2	M10 x 20
⑲	Screw	9	M8 x 15
⑳	Screw	8	M8 x 20
㉑	Screw	1	M8 x 50
㉒	Dowel Pin	2	Ø8 x 25

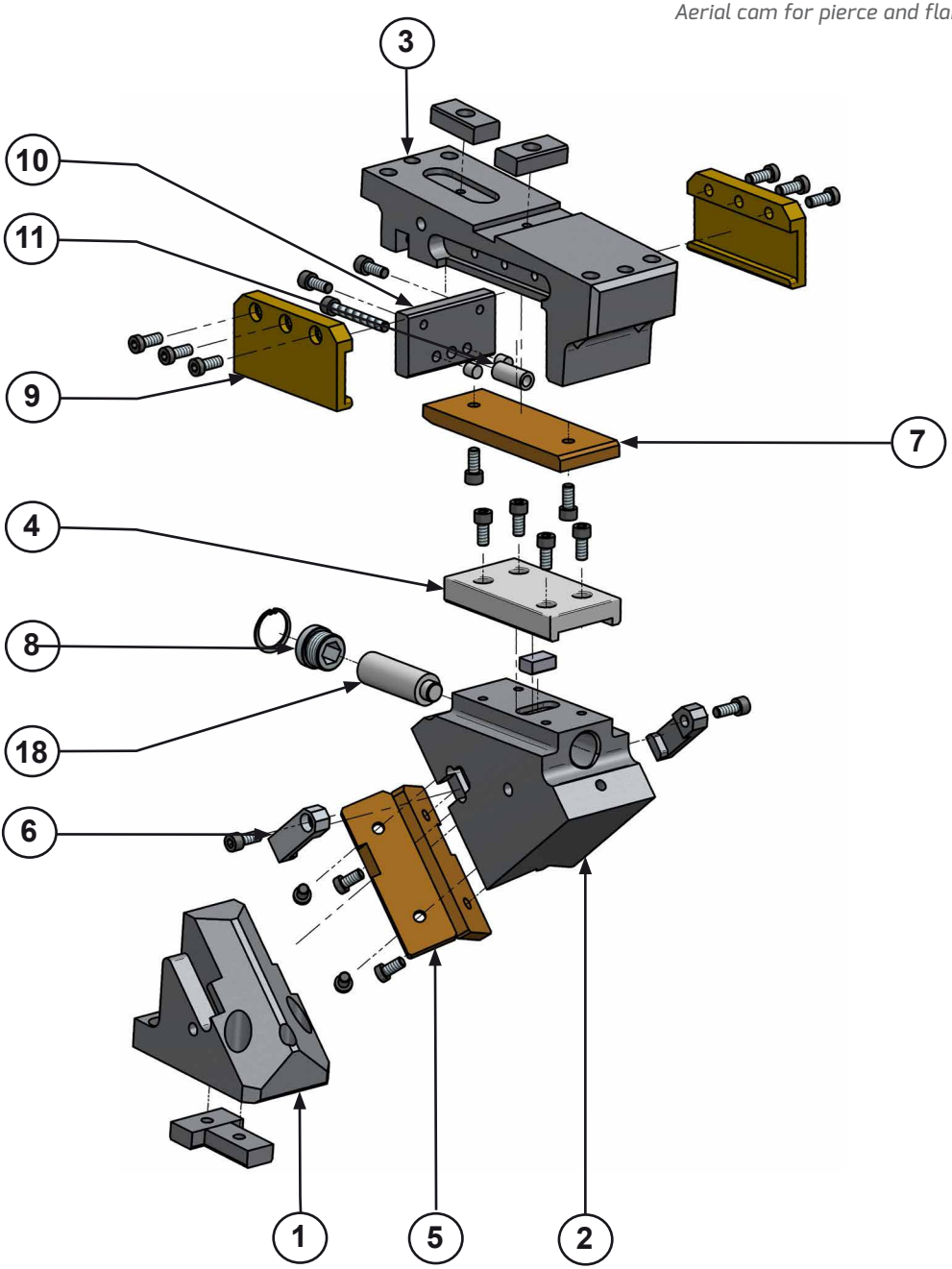
ASVX 0060

Aerial cam for pierce and flange

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

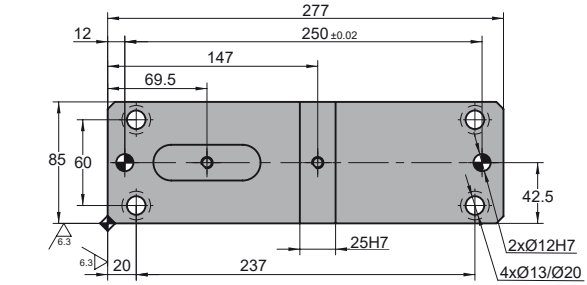


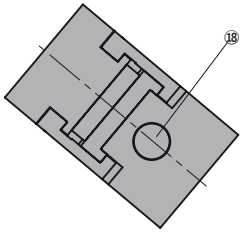
ASVX 0085

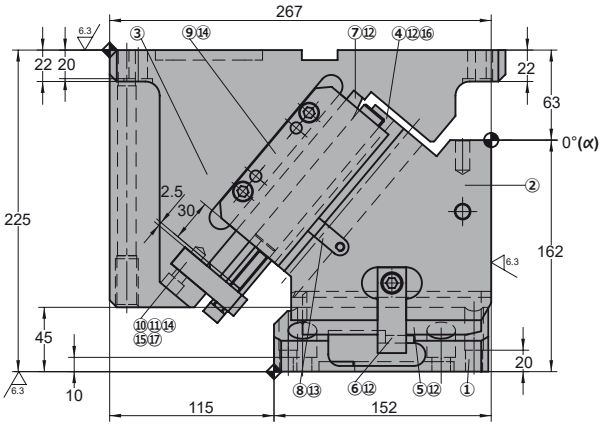
Aerial cam for pierce and flange

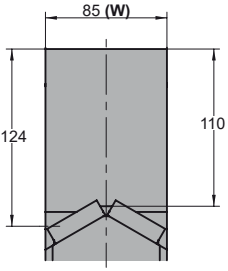
AZOL GAS

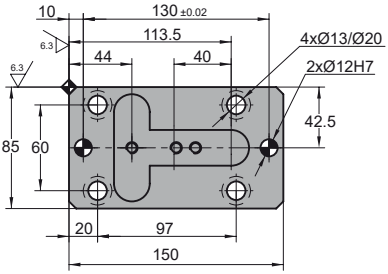
ASVX 0085 00



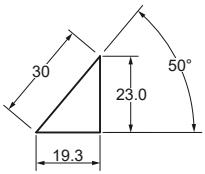








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
19.3	100.0 (10.2)	---	5170.4 (527.5)	28.2	ASVX	0085	00

Order: Model (W) (α)

ASCB 0085 00

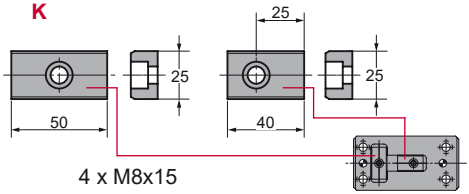
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 00-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

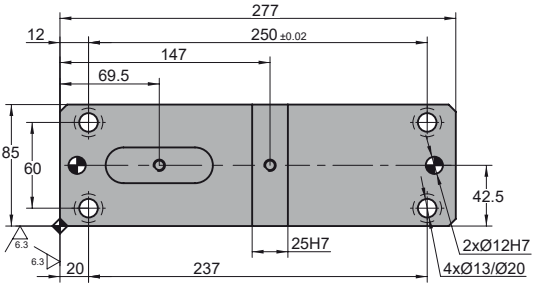
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

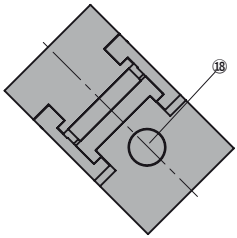
ASVX 0085

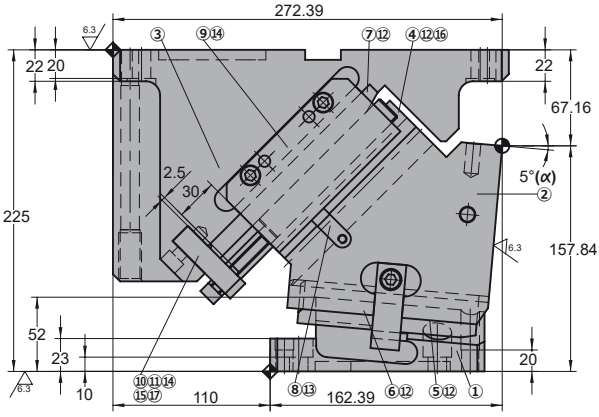
Aerial cam for pierce and flange

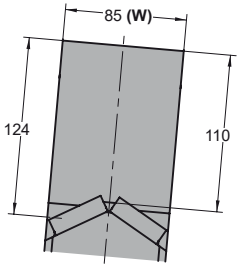
AZOL GAS

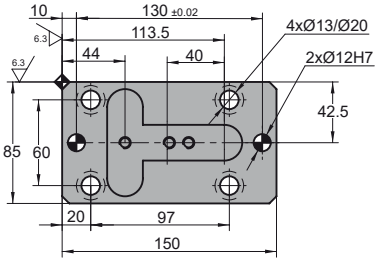
ASVX 0085 05



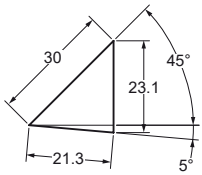








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
21.3	100.0 (10.2)	---	5170.4 (527.5)	27.5	ASVX	0085	05

Order: Model (W) (α)

ASVX 0085 05

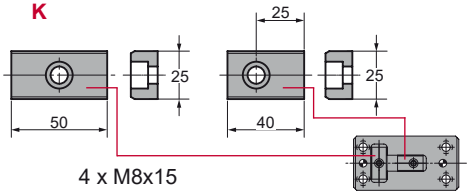
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 05-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

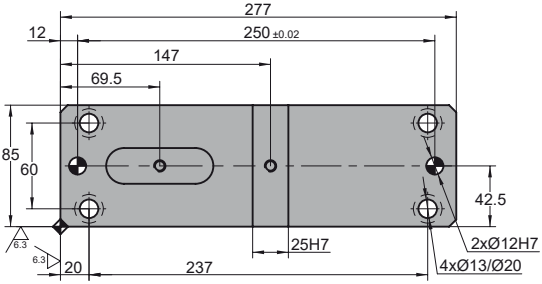
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

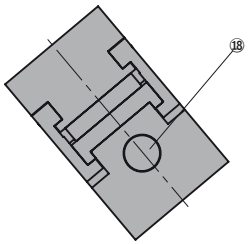
ASVX 0085

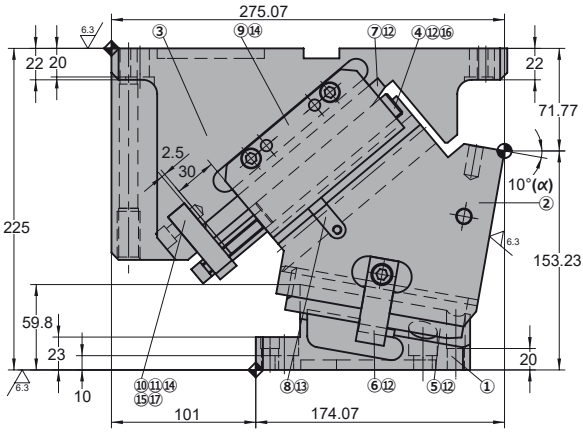
Aerial cam for pierce and flange

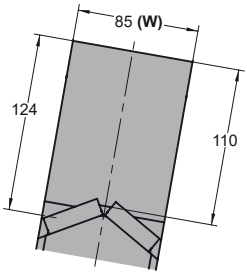
AZOL GAS

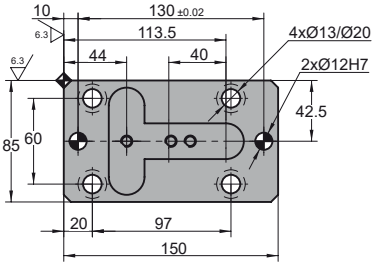
ASVX 0085 10



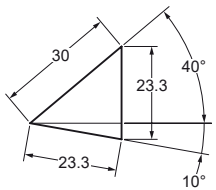








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
23.3	100.0 (10.2)	---	5170.4 (527.5)	26.6	ASVX	0085	10

Order: Model (W) (α)

ASVX 0085 10

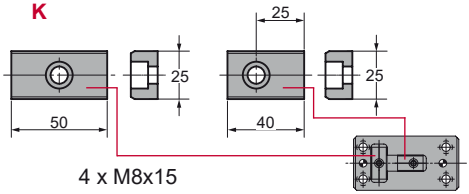
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 10-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

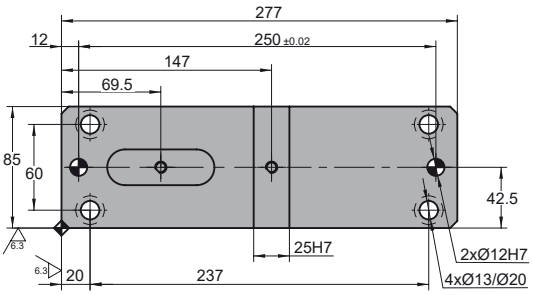
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

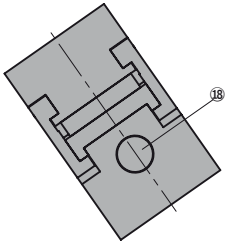
ASVX 0085

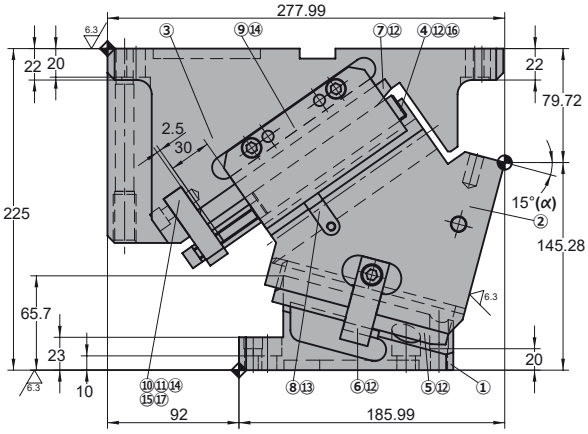
Aerial cam for pierce and flange

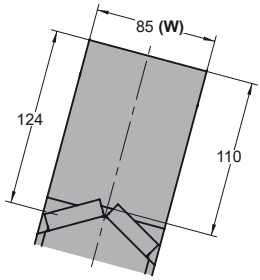
AZOL GAS

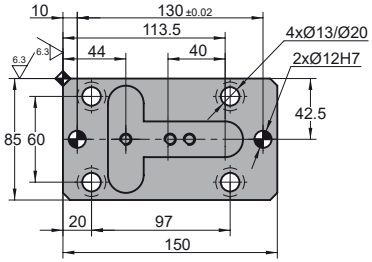
ASVX 0085 15



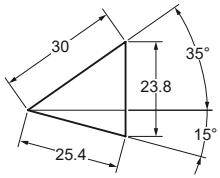








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
25.4	100.0 (10.2)	---	5170.4 (527.5)	26.3	ASVX	0085	15

Order: Model (W) (α)

ASVX 0085 15

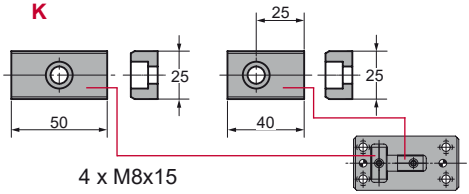
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 15-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

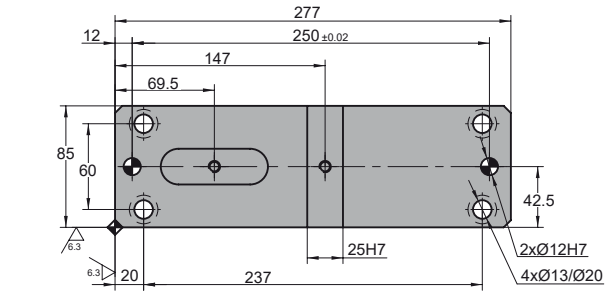
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

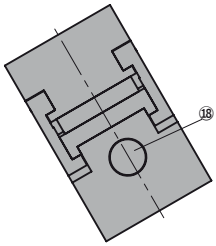
ASVX 0085

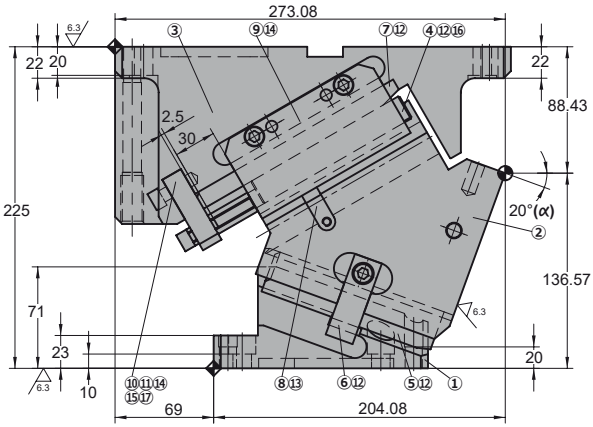
Aerial cam for pierce and flange

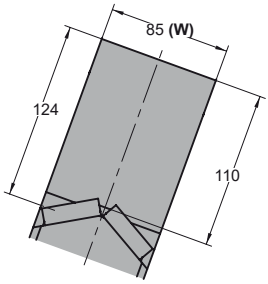
AZOL GAS

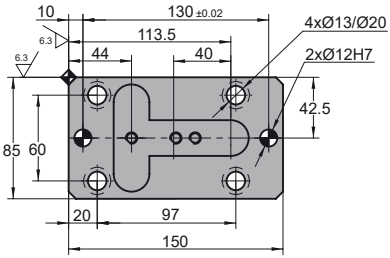
ASVX 0085 20



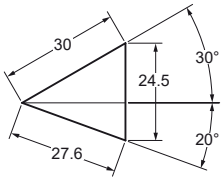








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
27.6	100.0 (10.2)	---	5170.4 (527.5)	26.1	ASVX	0085	20

Order: Model (W) (α)

ASVX 0085 20

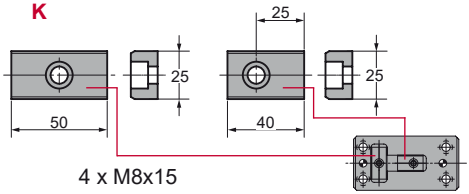
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 20-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

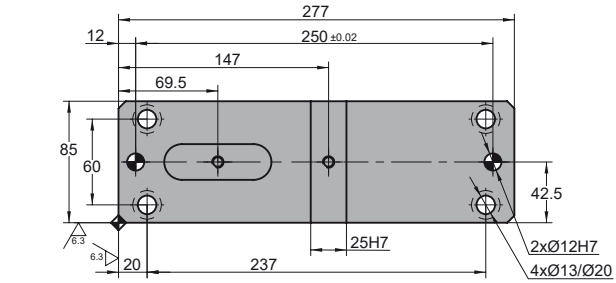
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

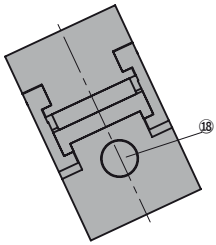
ASVX 0085

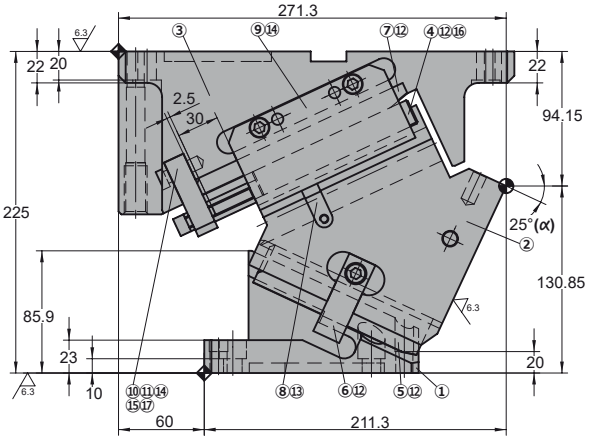
Aerial cam for pierce and flange

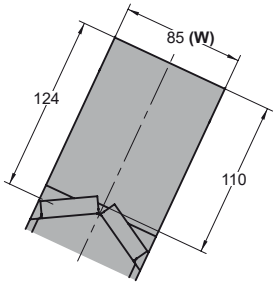
AZOL GAS

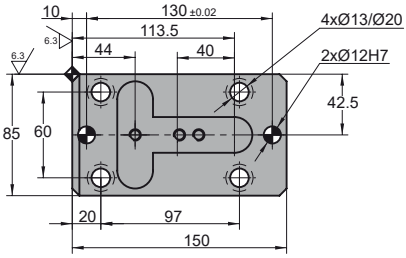
ASVX 0085 25



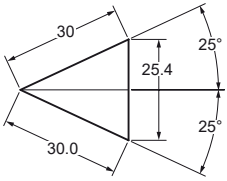








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
30.0	100.0 (10.2)	---	5170.4 (527.5)	26.1	ASVX	0085	25

Order: Model (W) (α)

ASVX 0085 25

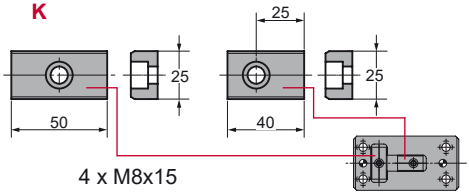
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 25-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

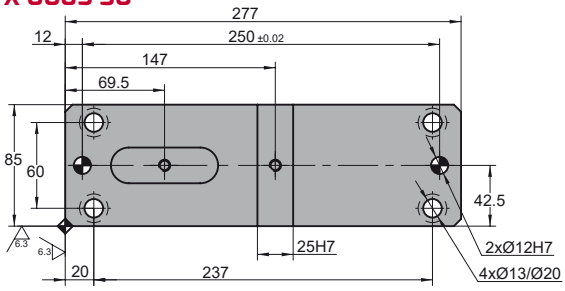
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

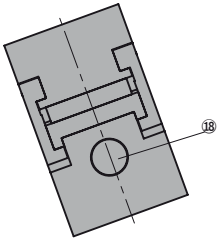
ASVX 0085

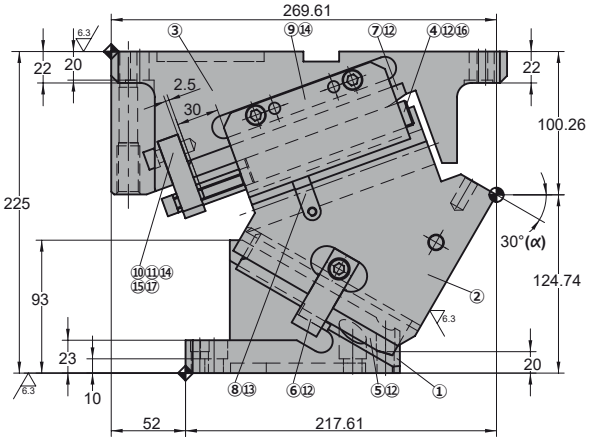
Aerial cam for pierce and flange

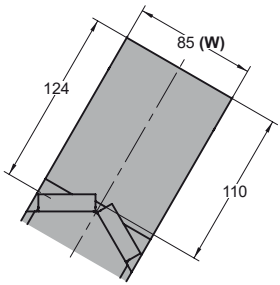
AZOL GAS

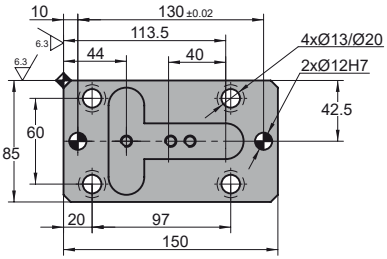
ASVX 0085 30



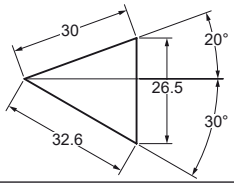








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.6	100.0 (10.2)	---	5170.4 (527.5)	25.3	ASVX	0085	30

Order: Model (W) (α)

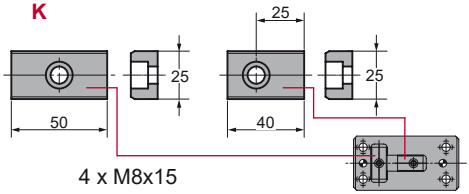
ASVX 0085 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option

ASVX 0085 30-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

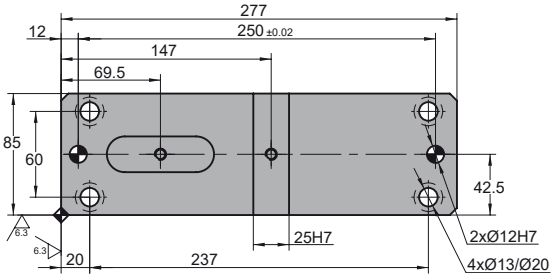
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

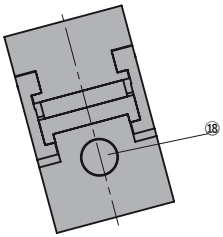
ASVX 0085

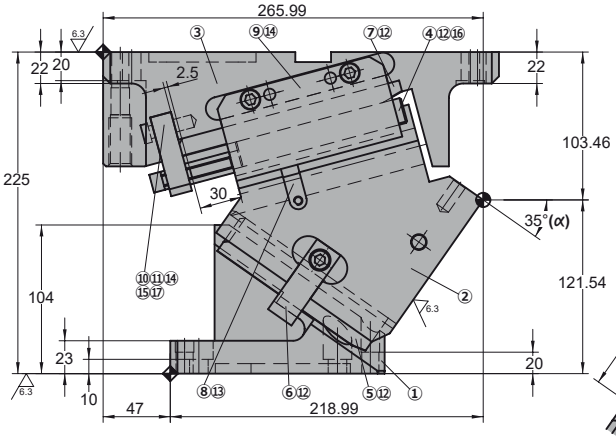
Aerial cam for pierce and flange

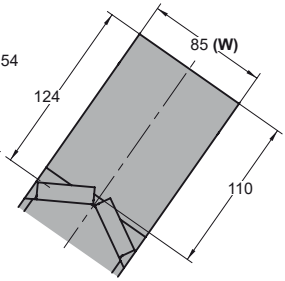
AZOL GAS

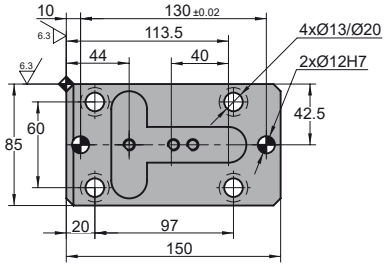
ASVX 0085 35



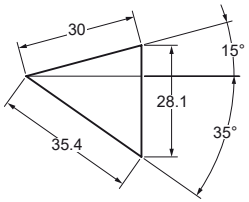








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.4	100.0 (10.2)	---	5170.4 (527.5)	24.4	ASVX	0085	35

Order: Model (W) (α)

ASVX 0085 35

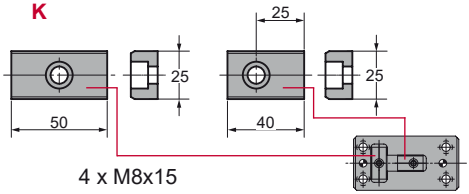
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 35-K

SPARE PARTS:
⑤ Slider Plate 2
⑦ Slider Plate 3
⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

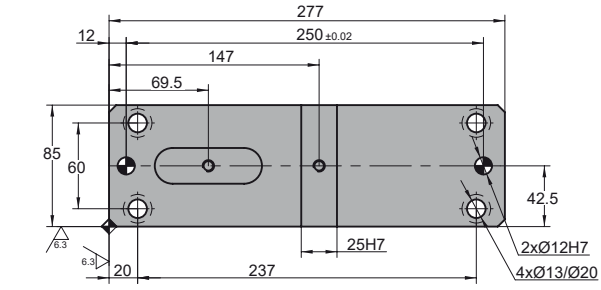
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

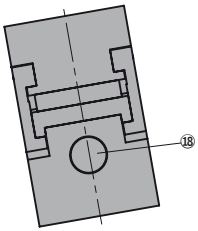
ASVX 0085

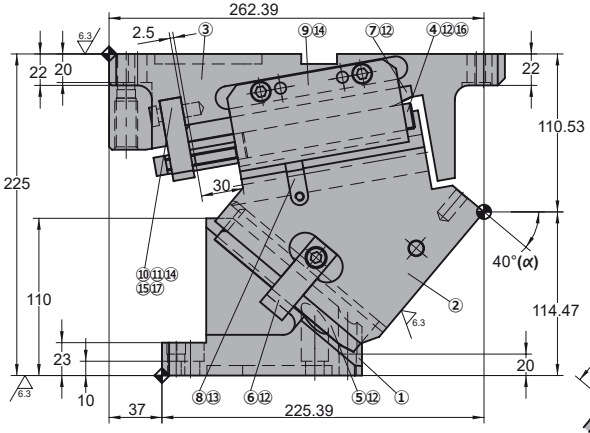
Aerial cam for pierce and flange

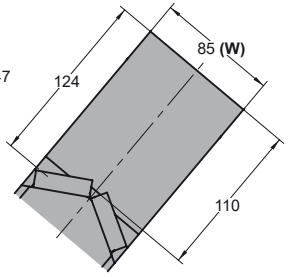
AZOL GAS

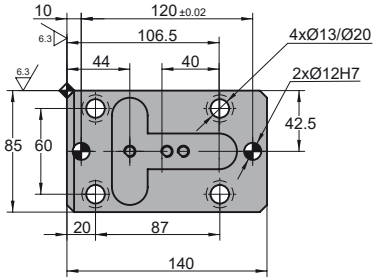
ASVX 0085 40



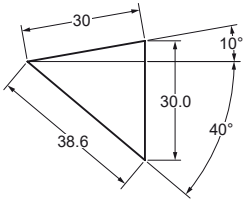








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	100.0 (10.2)	---	5170.4 (527.5)	24.0	ASVX	0085	40

Order: Model (W) (α)

ASVX 0085 40

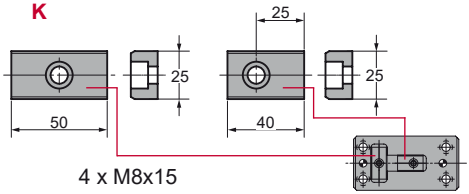
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 40-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

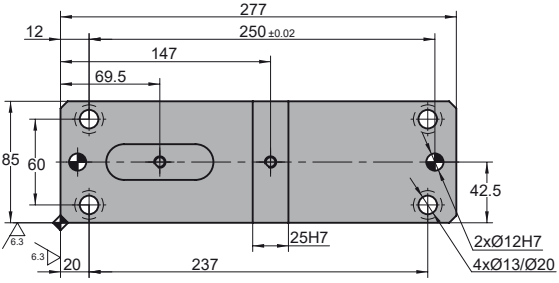
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

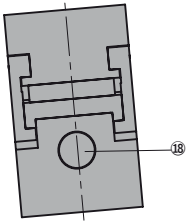
ASVX 0085

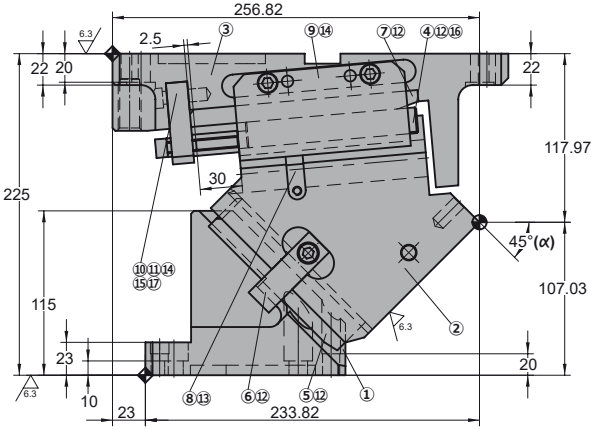
Aerial cam for pierce and flange

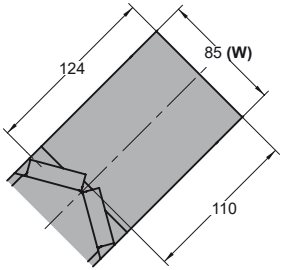
AZOL GAS

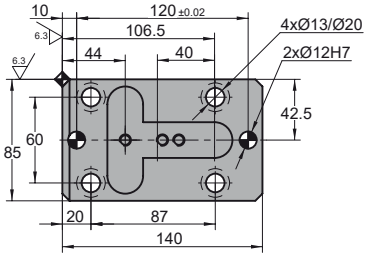
ASVX 0085 45



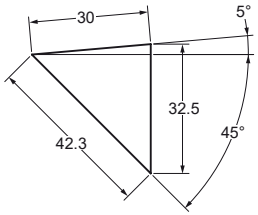








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.3	100.0 (10.2)	---	5170.4 (527.5)	24.7	ASVX	0085	45

Order: Model (W) (α)

ASVX 0085 45

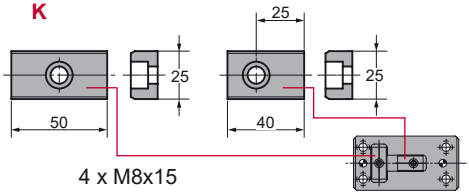
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 45-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

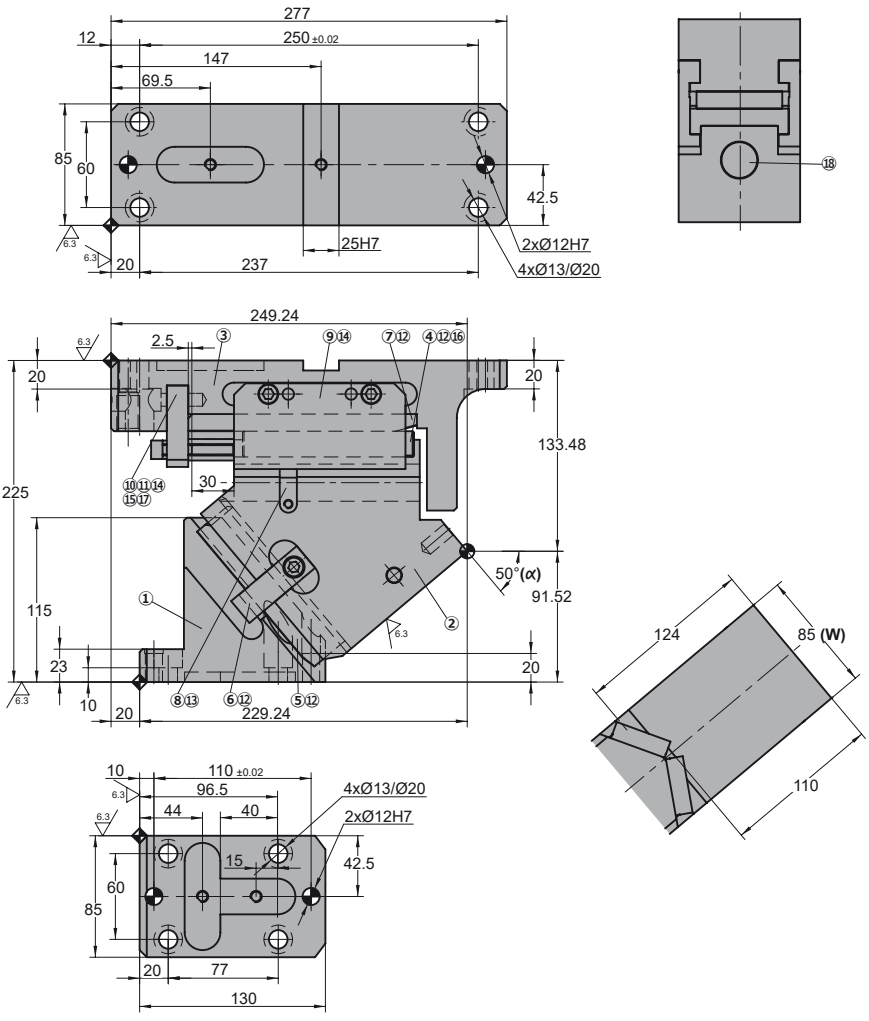
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

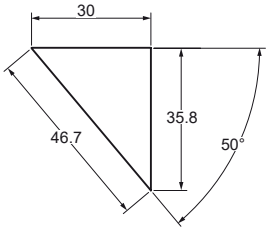
Aerial cam for pierce and flange

AZOL GAS

ASVX 0085 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	100.0 (10.2)	---	5170.4 (527.5)	24.7	ASVX	0085	50

Order: Model (W) (α)

ASVX 0085 50

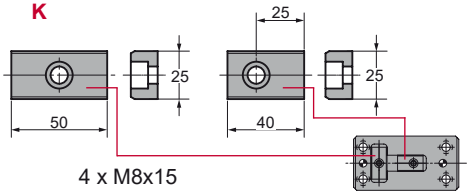
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 50-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

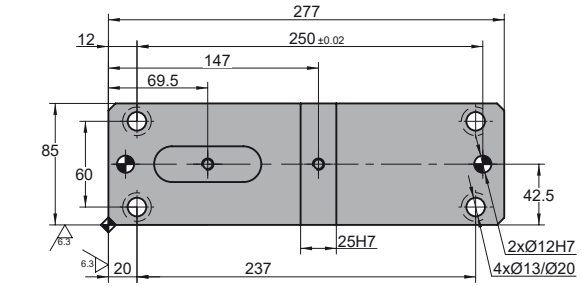
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

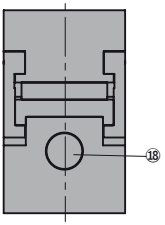
ASVX 0085

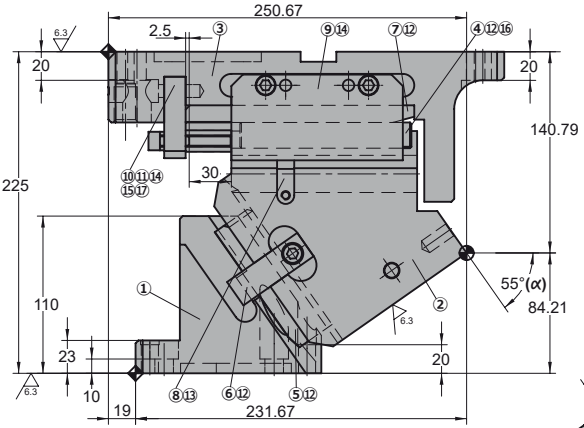
Aerial cam for pierce and flange

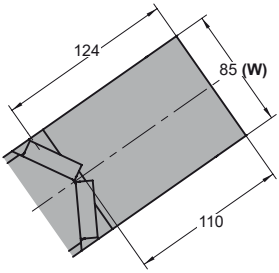
AZOL GAS

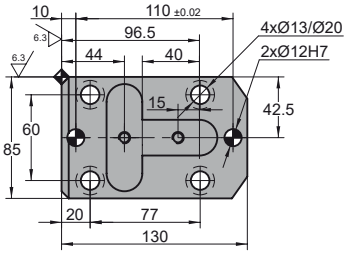
ASVX 0085 55



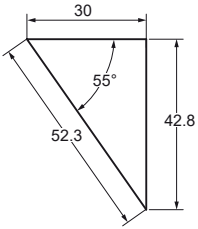








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	100.0 (10.2)	---	5170.4 (527.5)	24.6	ASVX	0085	55

Order: Model (W) (α)

ASVX 0085 55

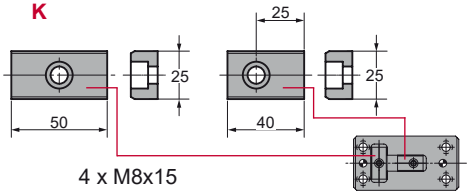
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 55-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

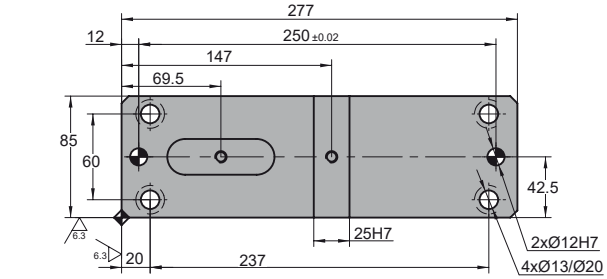
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

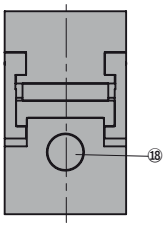
ASVX 0085

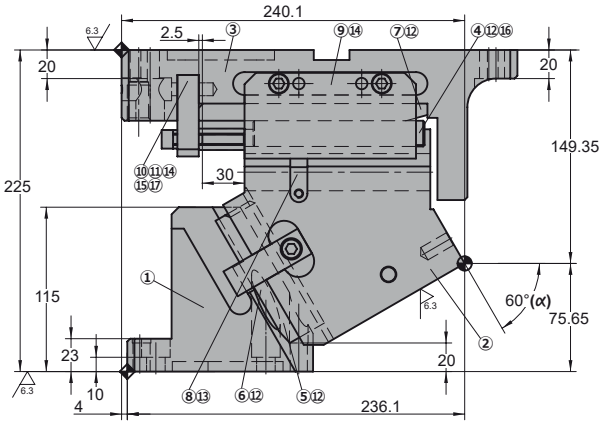
Aerial cam for pierce and flange

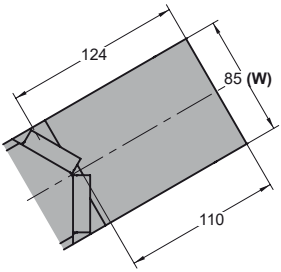
AZOL GAS

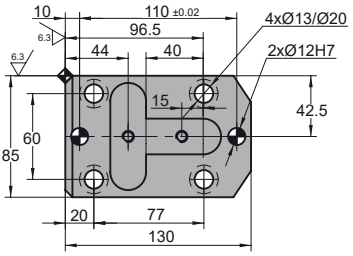
ASVX 0085 60



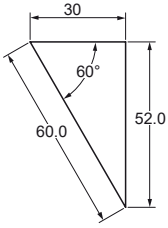








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	100.0 (10.2)	---	5170.4 (527.5)	25.4	ASVX	0085	60

Order: Model (W) (α)

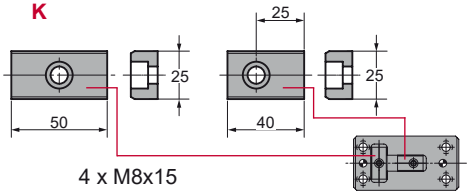
ASVX 0085 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option

ASVX 0085 60-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

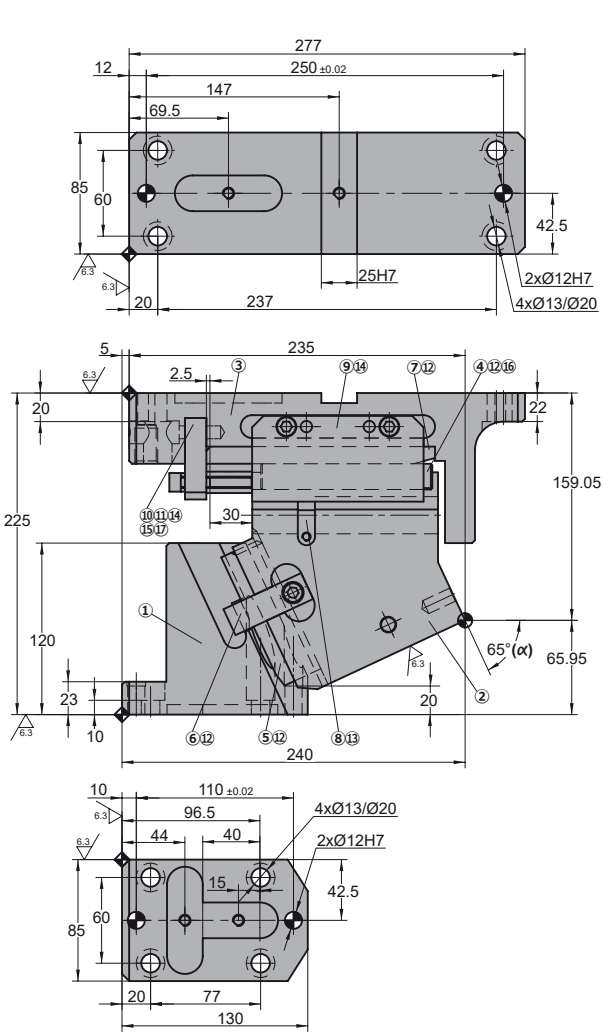
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

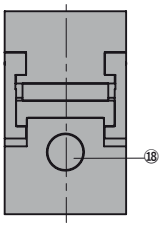
ASVX 0085

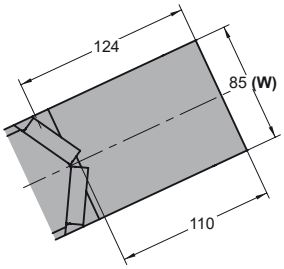
Aerial cam for pierce and flange

AZOL GAS

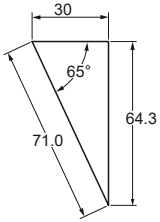
ASVX 0085 65







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
71.0	100.0 (10.2)	---	5170.4 (527.5)	25.7	ASVX	0085	65

Order: Model (W) (α)

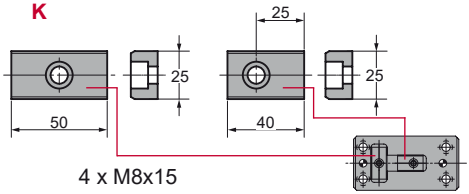
ASVX 0085 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option

ASVX 0085 65-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 45
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 60

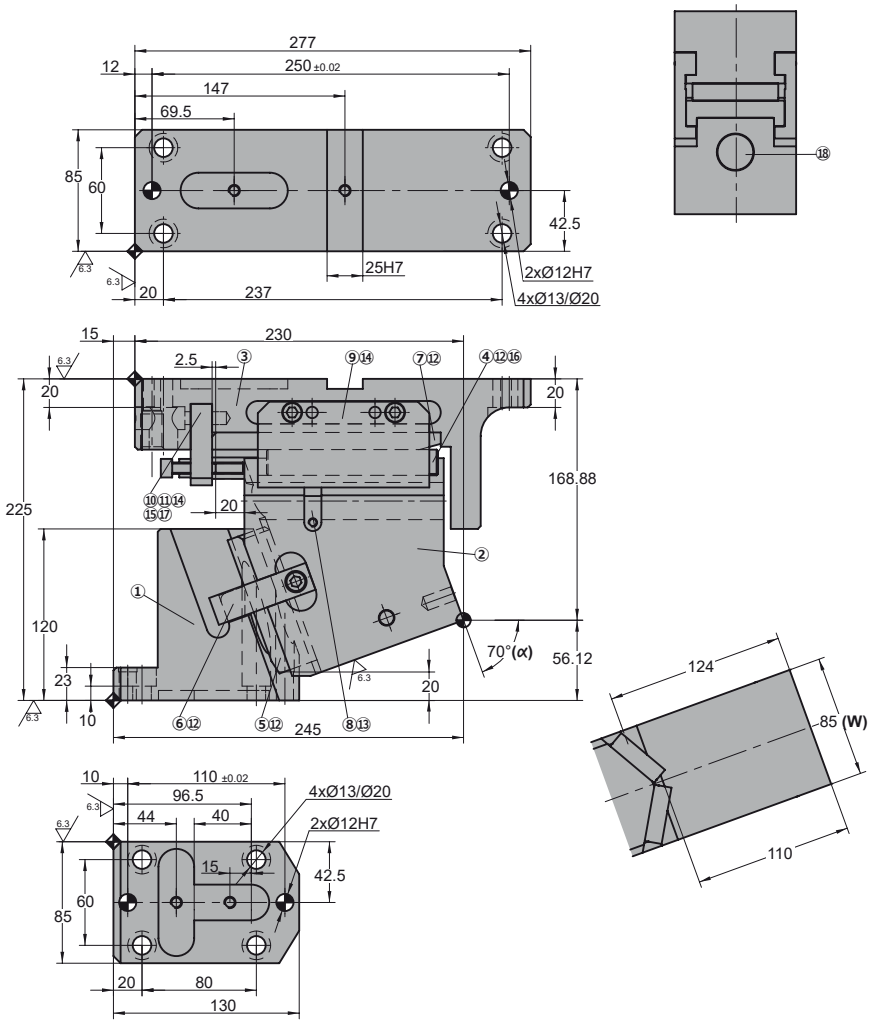
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 038

ASVX 0085

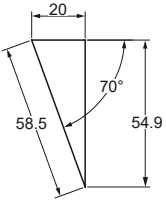
Aerial cam for pierce and flange

AZOL GAS

ASVX 0085 70



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	100.0 (10.2)	---	5205.5 (531.1)	26.2	ASVX	0085	70

Order: Model (W) (α)

ASVX 0085 70

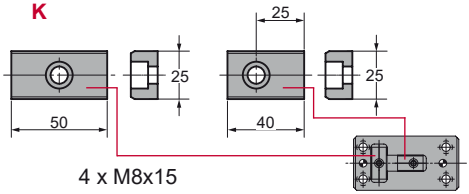
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 70-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 60
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 55

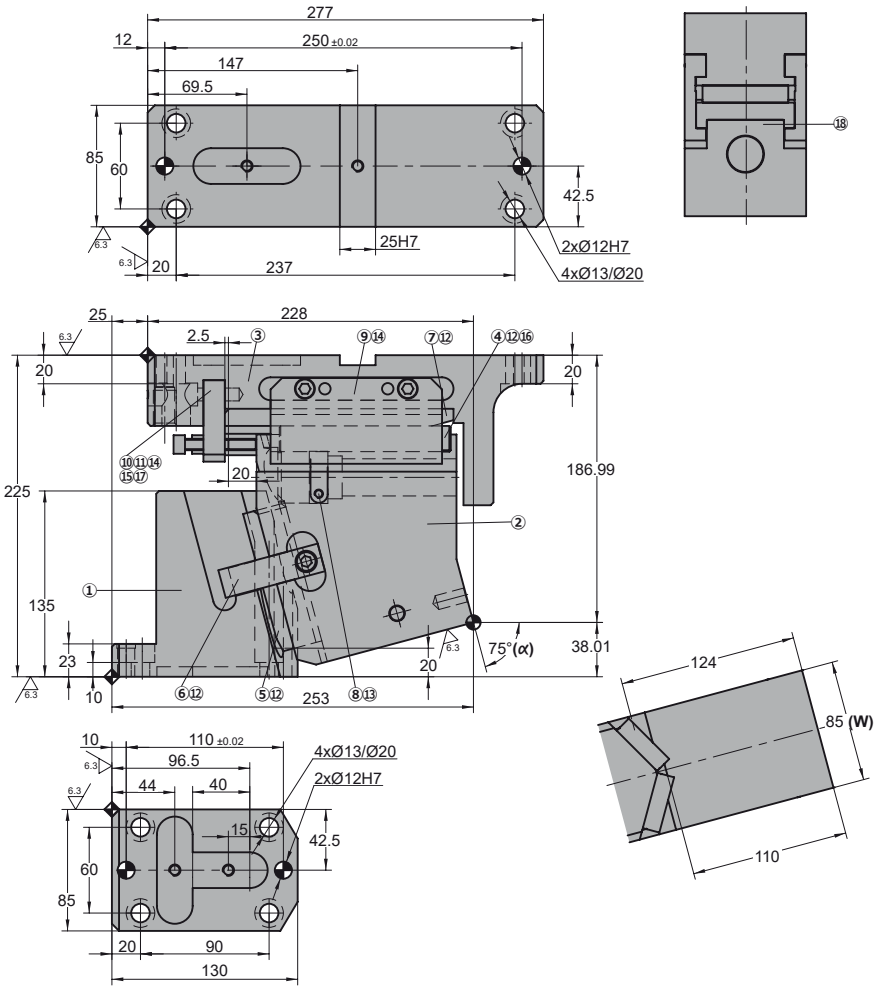
No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 025

ASVX 0085

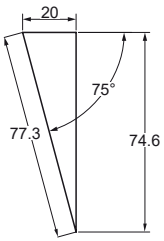
Aerial cam for pierce and flange

AZOL GAS

ASVX 0085 75



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0085

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.3	100.0 (10.2)	---	5205.5 (531.1)	28.3	ASVX	0085	75

Order: Model (W) (α)

ASVX 0085 75

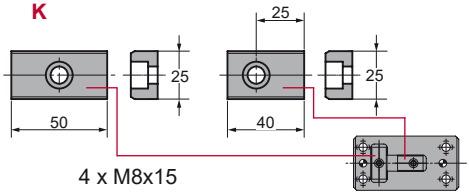
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0085 75-K

SPARE PARTS:
- ⑤ Slider Plate 2
- ⑦ Slider Plate 3
- ⑱ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	CK45
⑤	Slider Plate 2	2	Bronze + G
⑥	Positive Return 1	2	CK45
⑦	Slider Plate 3	1	Bronze + G
⑧	Stopper Plate 1	2	CK45
⑨	Positive Return 2	2	Bronze + G
⑩	Stopper Plate 2	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Screw	16	M8 x 15
⑬	Screw	2	M8 x 60
⑭	Screw	8	M8 x 20
⑮	Screw	1	M8 x 55

No.	Descripción	Qty.	Material
⑯	Dowel Pin	2	Ø8 x 45
⑰	Stopper	2	Urethane
⑱	Gas Spring	1	CW 320 025

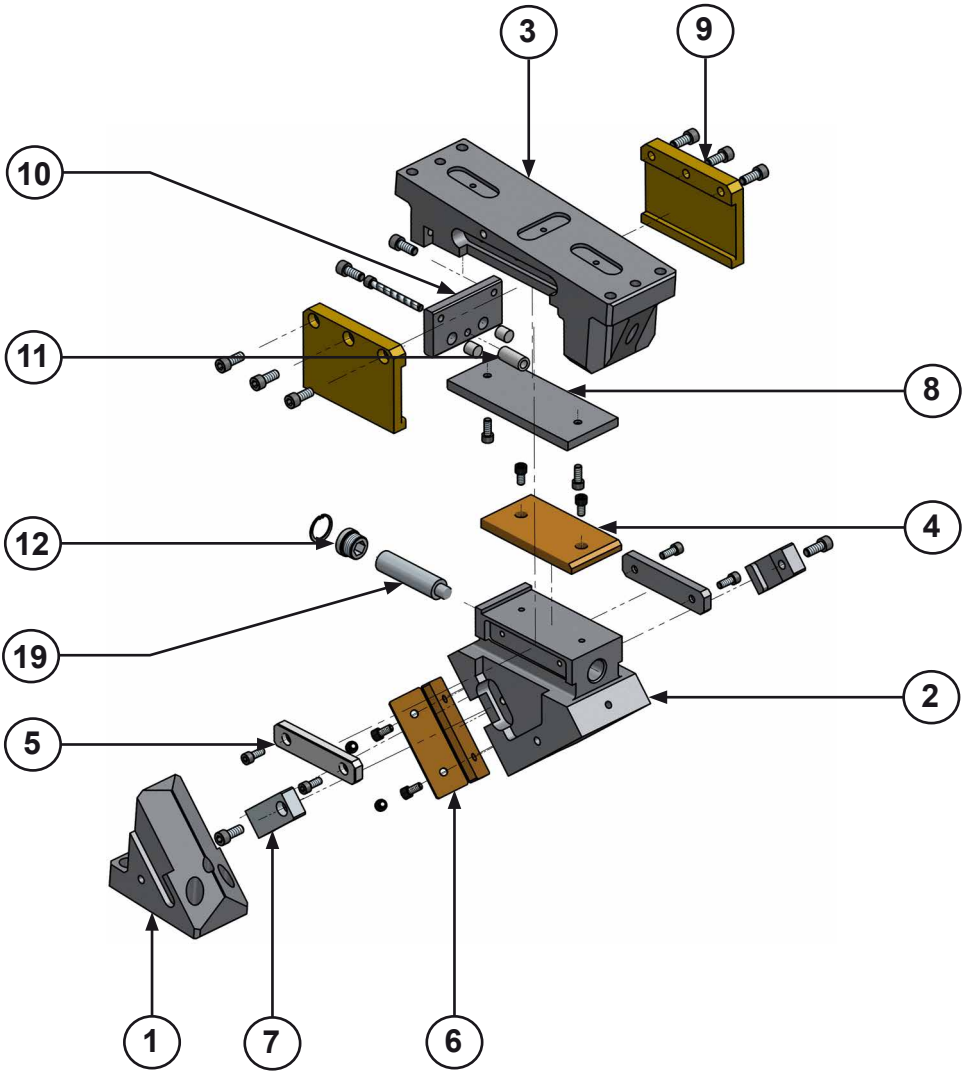
ASVX 0085

Aerial cam for pierce and flange

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

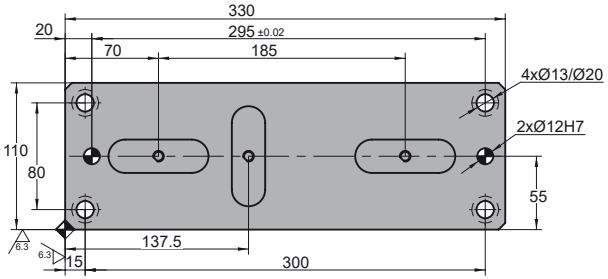


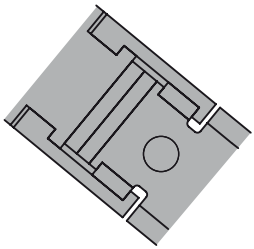
ASVX 0110

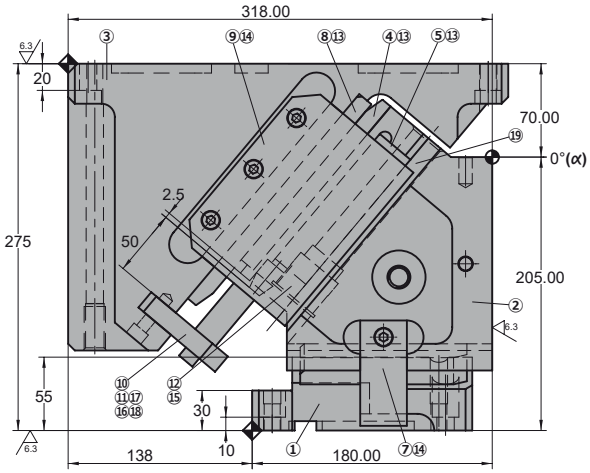
Aerial cam for pierce and flange

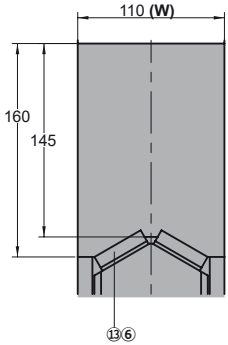
AZOL GAS

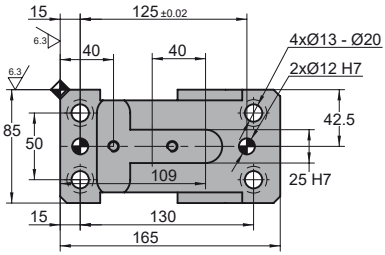
ASVX 0110 00



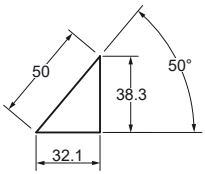








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	150.0 (15.3)	---	5479.9 (559.1)	51.5	ASVX	0110	00

Order: Model (W) (α)

ASCB 0110 00

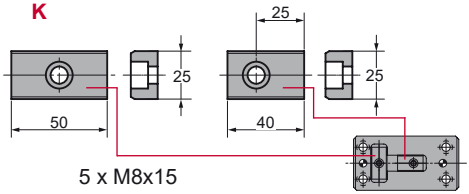
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 00-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

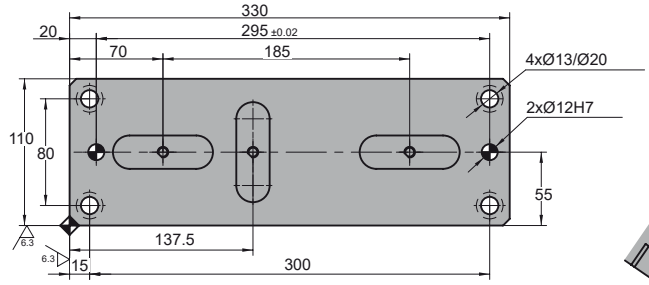
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

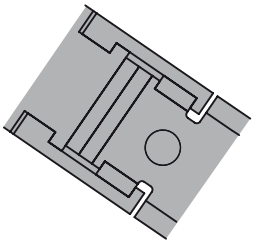
ASVX 0110

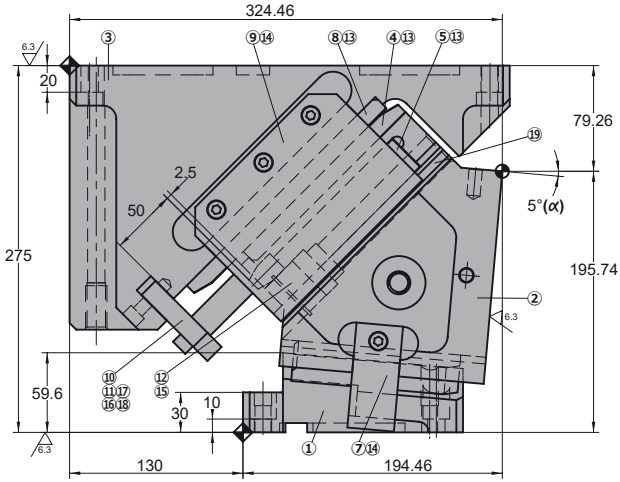
Aerial cam for pierce and flange

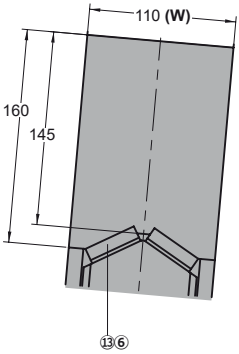
AZOL GAS

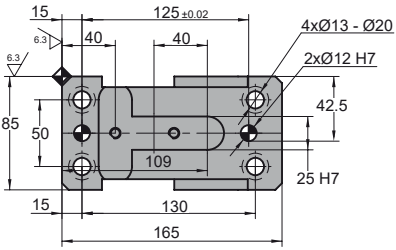
ASVX 0110 05



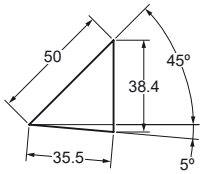








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	150.0 (15.3)	---	5479.9 (559.1)	50.4	ASVX	0110	05

Order: Model (W) (α)

ASVX 0110 05

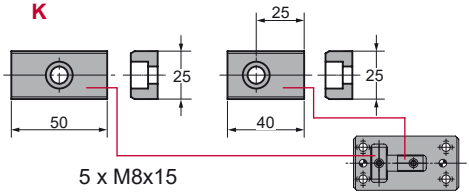
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 05-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

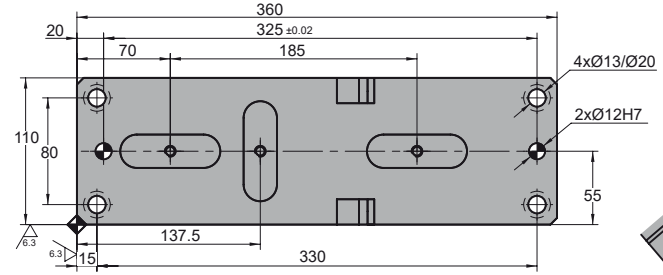
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

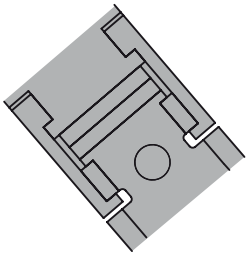
ASVX 0110

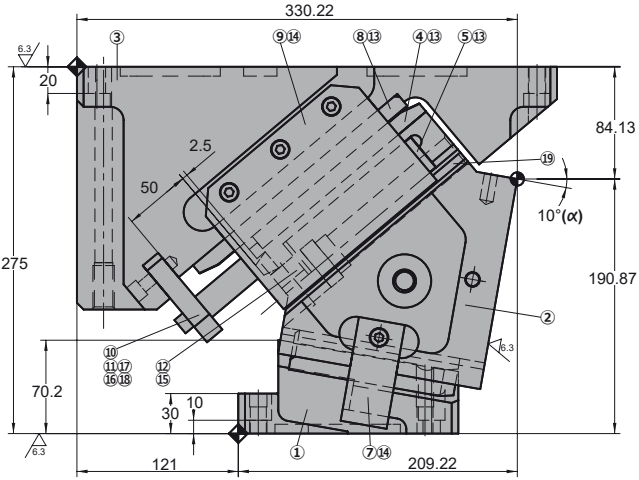
Aerial cam for pierce and flange

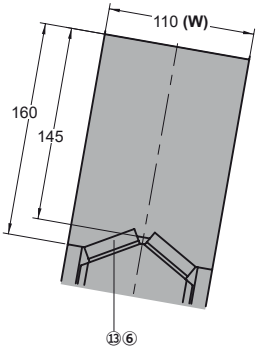
AZOL GAS

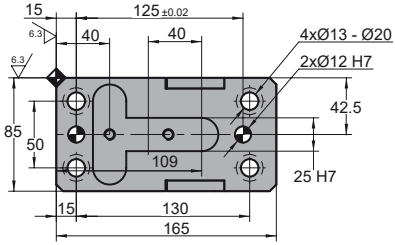
ASVX 0110 10



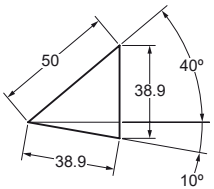








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	150.0 (15.3)	---	5479.9 (559.1)	50.2	ASVX	0110	10

Order: Model (W) (α)

ASVX 0110 10

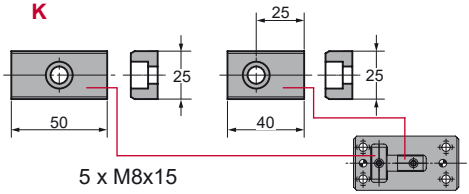
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 10-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

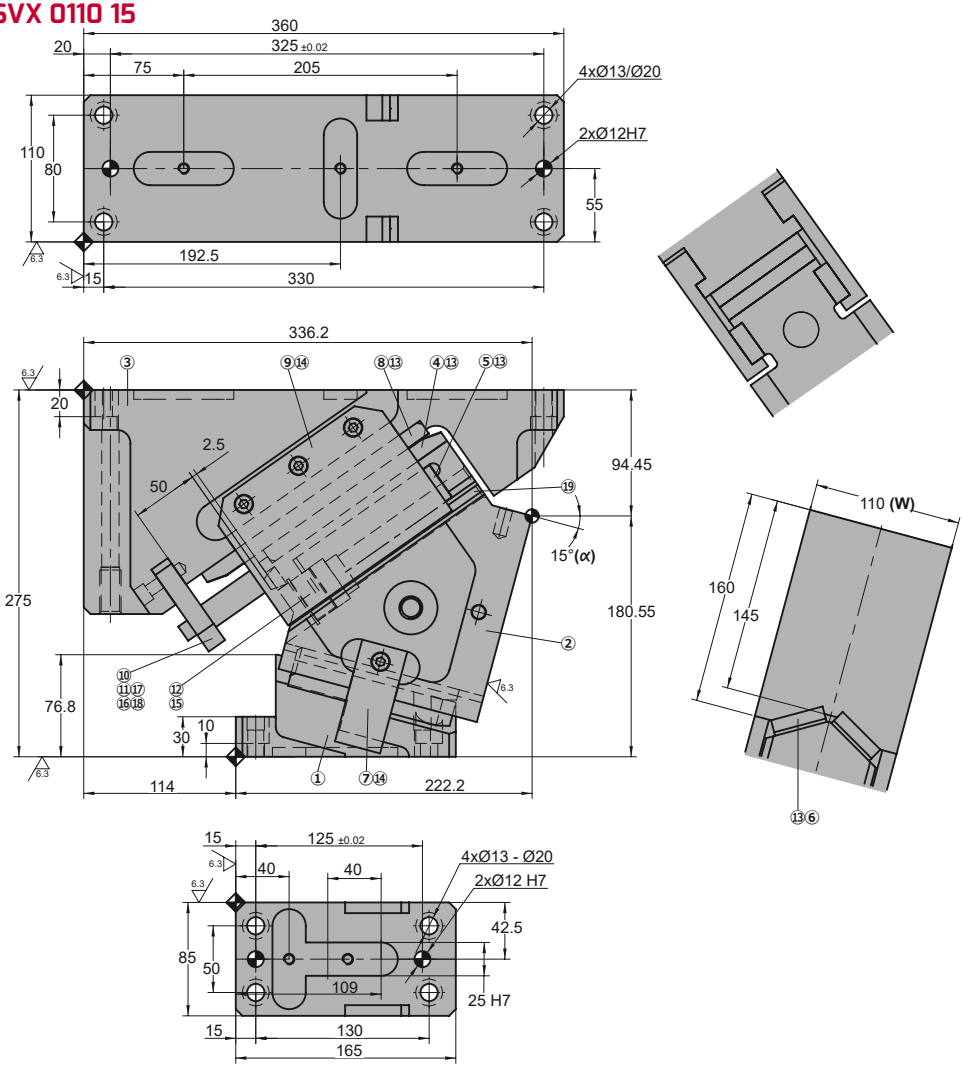
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

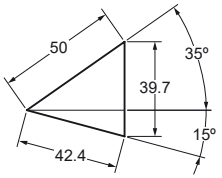
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 15



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	150.0 (15.3)	---	5479.9 (559.1)	51.3	ASVX	0110	15

Order: Model (W) (α)

ASVX 0110 15

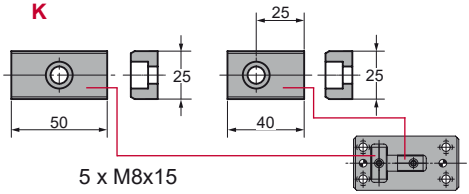
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 15-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

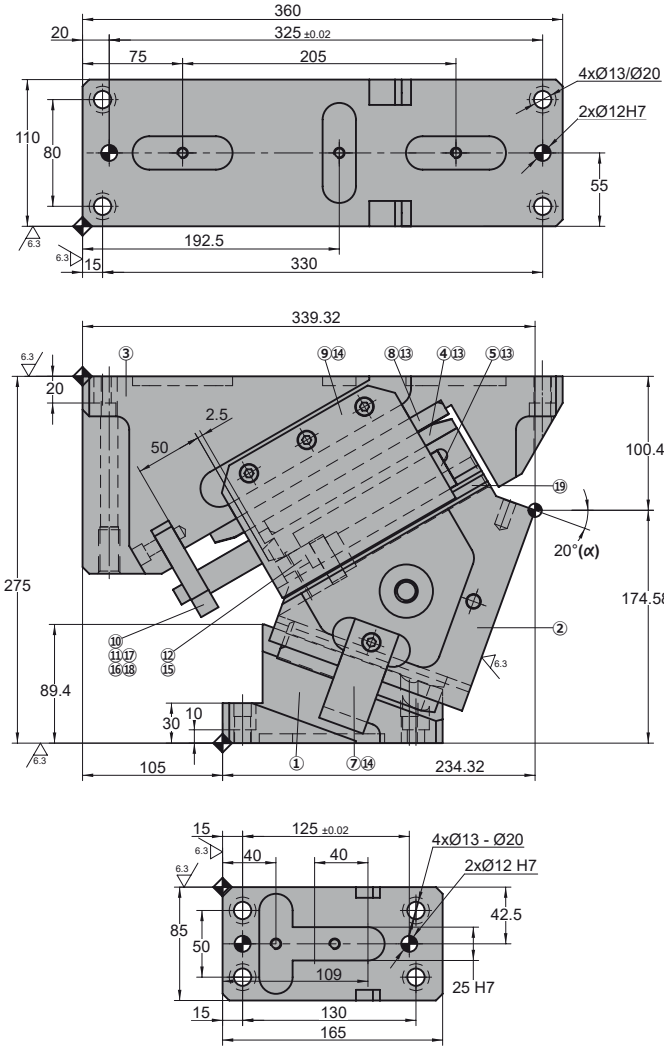
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

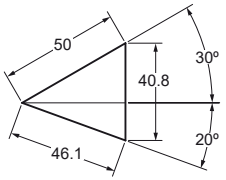
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 20



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	150.0 (15.3)	---	5479.9 (559.1)	49.7	ASVX	0110	20

Order: Model (W) (α)

ASVX 0110 20

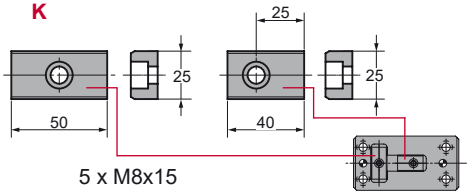
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 20-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

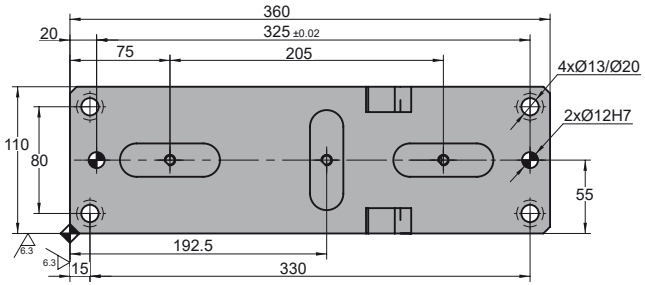
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

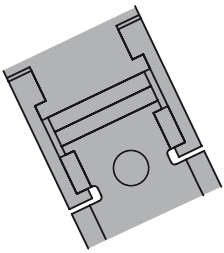
ASVX 0110

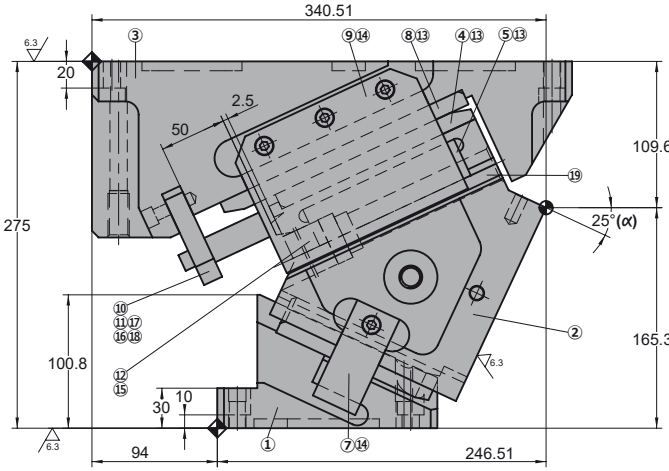
Aerial cam for pierce and flange

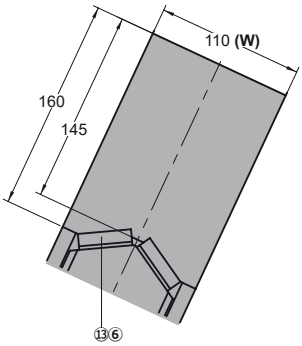
AZOL GAS

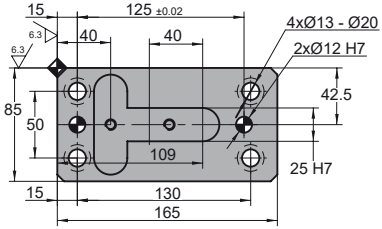
ASVX 0110 25



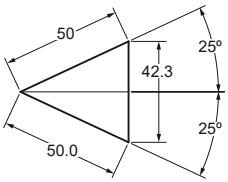








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	150.0 (15.3)	---	5479.9 (559.1)	49.0	ASVX	0110	25

Order: Model (W) (α)

ASVX 0110 25

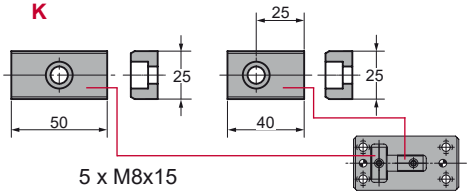
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 25-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

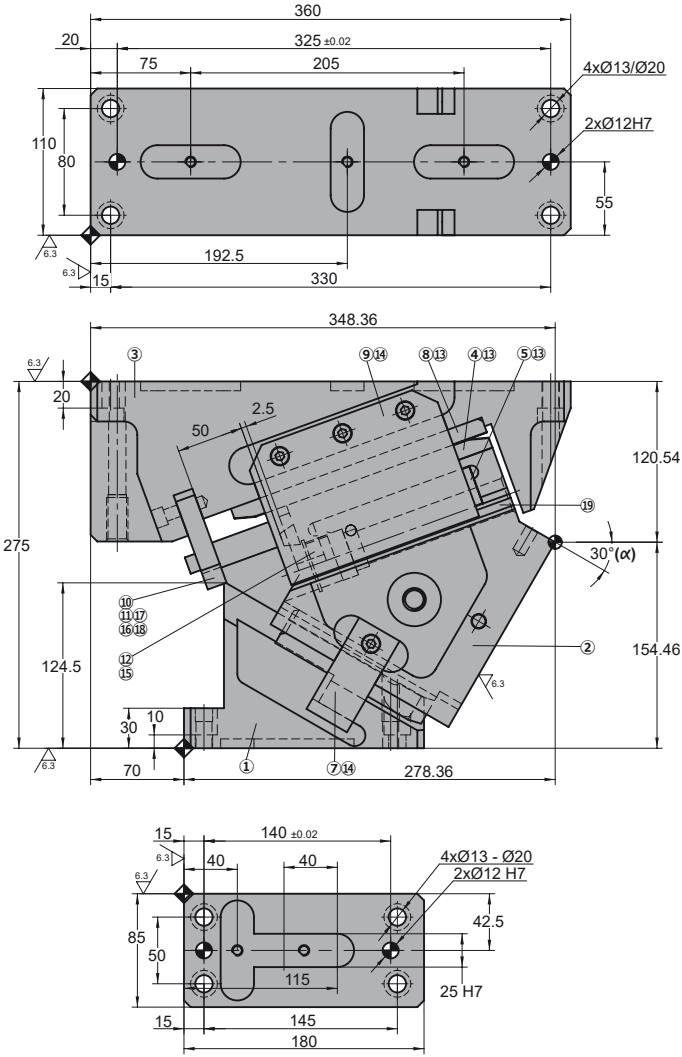
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

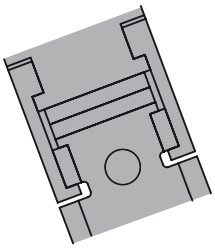
ASVX 0110

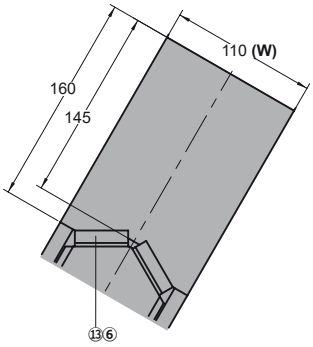
Aerial cam for pierce and flange

AZOL GAS

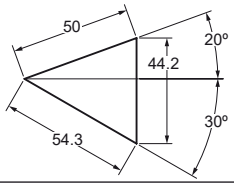
ASVX 0110 30







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	150.0 (15.3)	---	5479.9 (559.1)	49.5	ASVX	0110	30

Order: Model (W) (α)

ASVX 0110 30

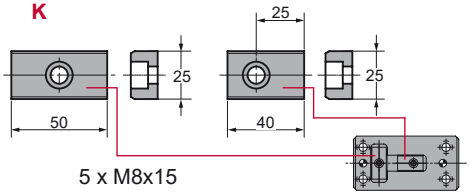
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 30-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

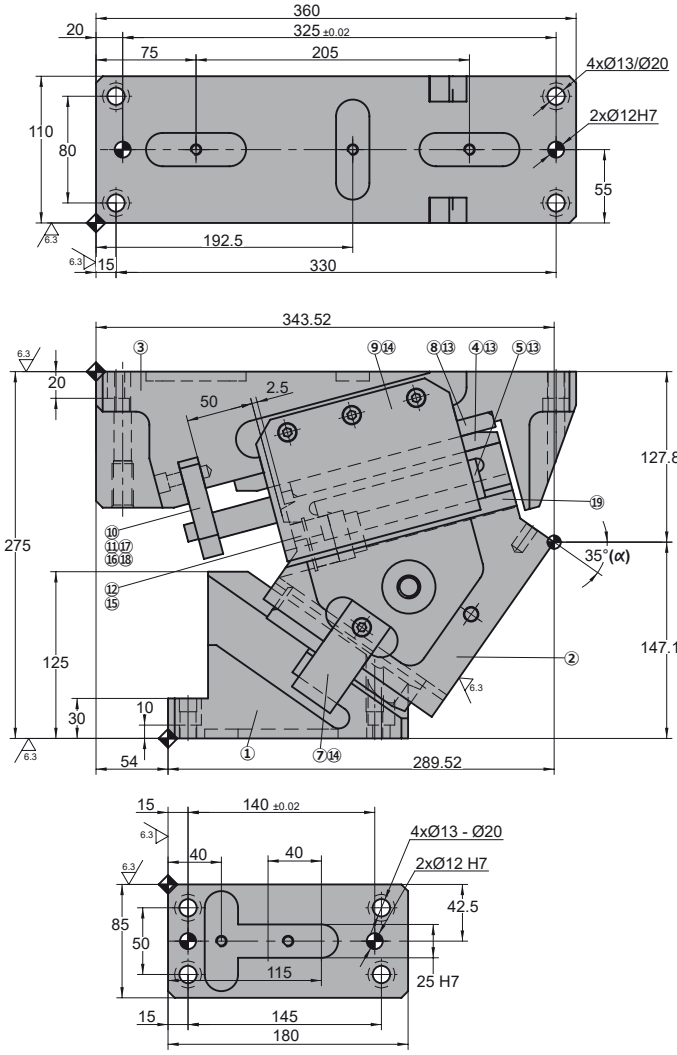
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

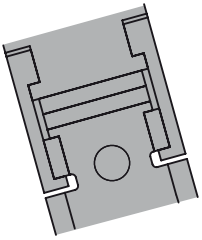
ASVX 0110

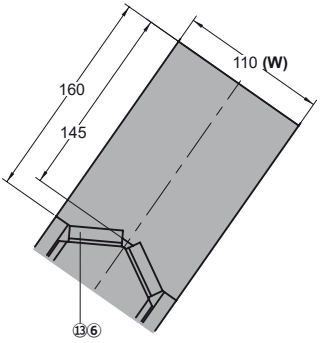
Aerial cam for pierce and flange

AZOL GAS

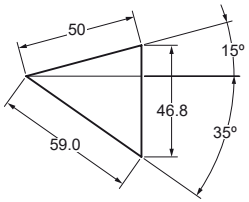
ASVX 0110 35







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	150.0 (15.3)	---	5479.9 (559.1)	48.6	ASVX	0110	35

Order: Model (W) (α)

ASVX 0110 35

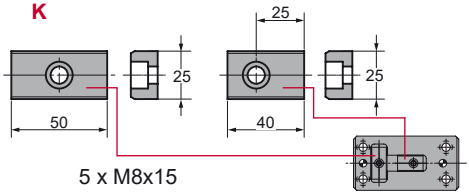
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 35-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

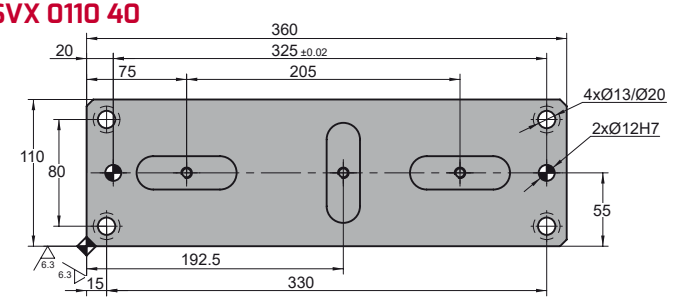
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

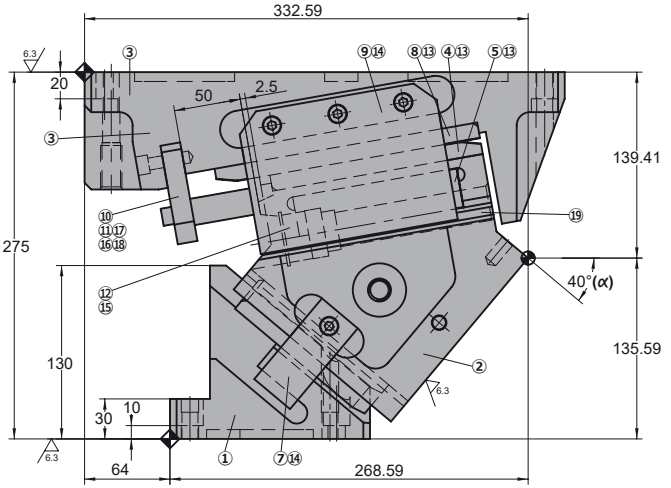
ASVX 0110

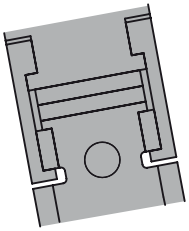
Aerial cam for pierce and flange

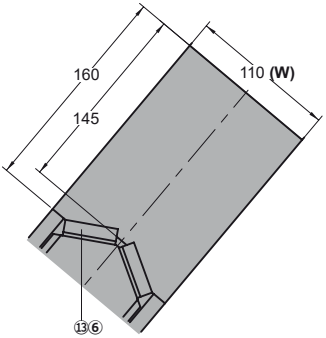
AZOL GAS

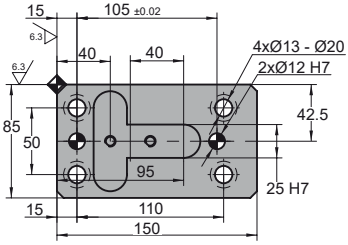
ASVX 0110 40



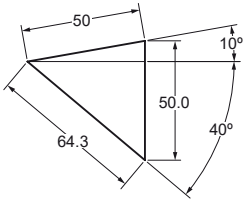








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	150.0 (15.3)	---	5479.9 (559.1)	46.3	ASVX	0110	40

Order: Model (W) (α)

ASVX 0110 40

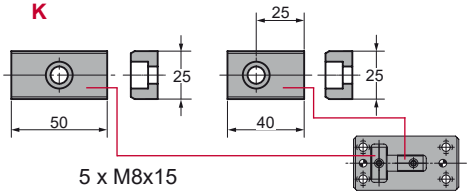
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 40-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

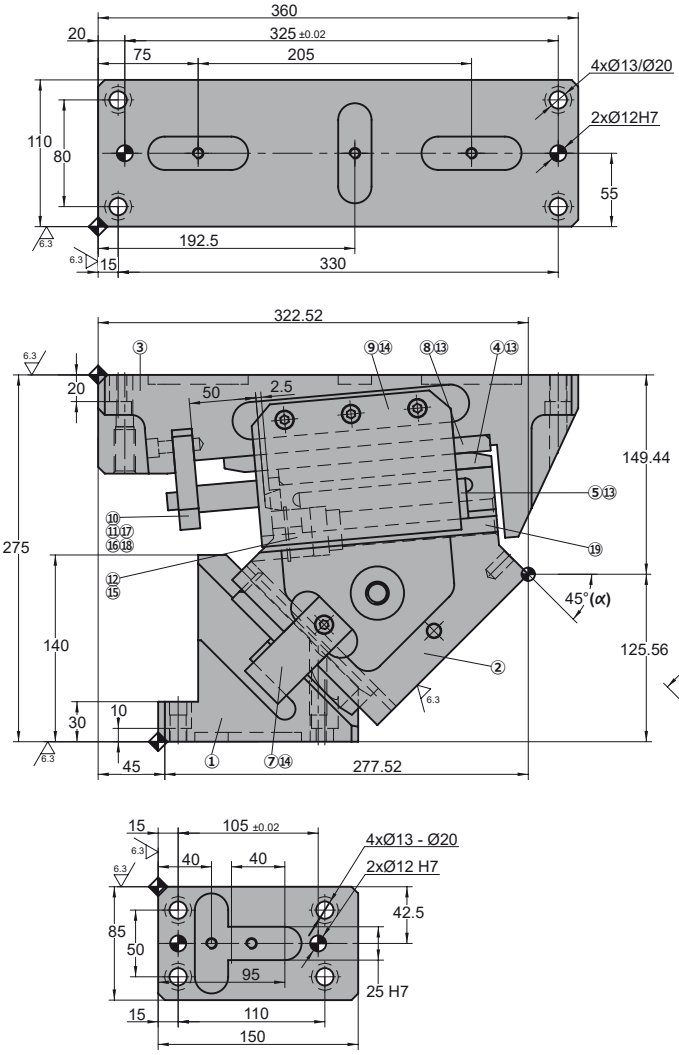
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

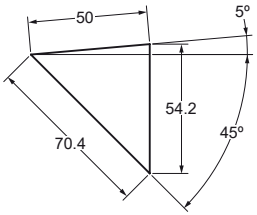
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 45



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	150.0 (15.3)	---	5479.9 (559.1)	46.6	ASVX	0110	45

Order: Model (W) (α)

ASVX 0110 45

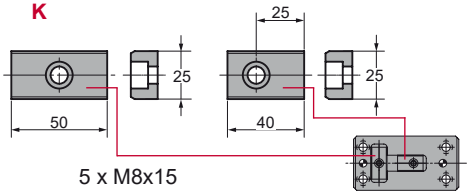
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 45-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

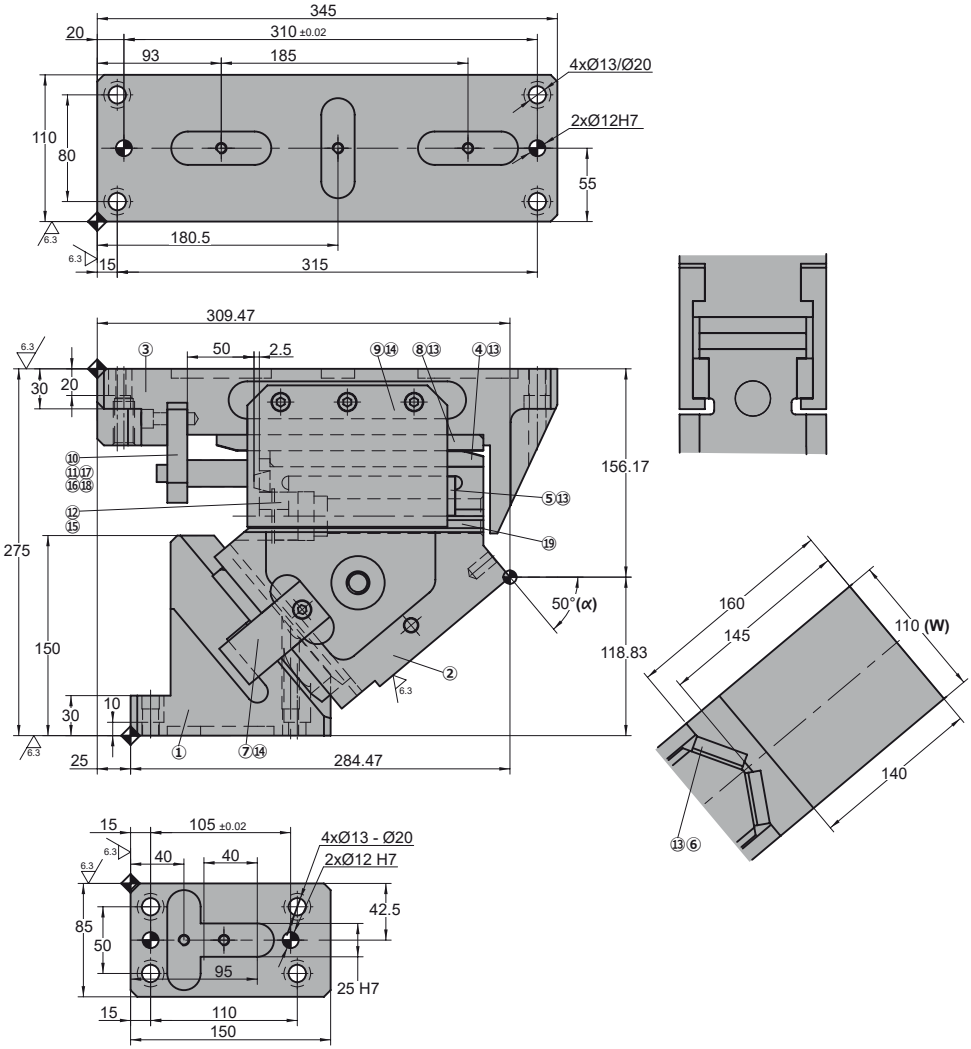
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

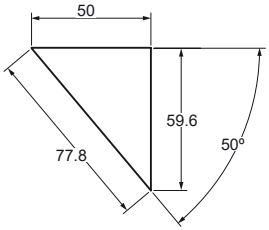
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	150.0 (15.3)	---	5479.9 (559.1)	45.4	ASVX	0110	50

Order: Model (W) (α)

ASVX 0110 50

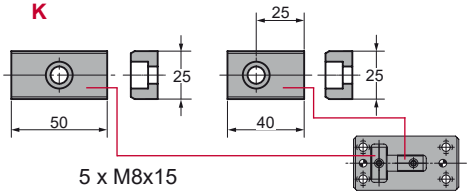
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 50-K

SPARE PARTS:

- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

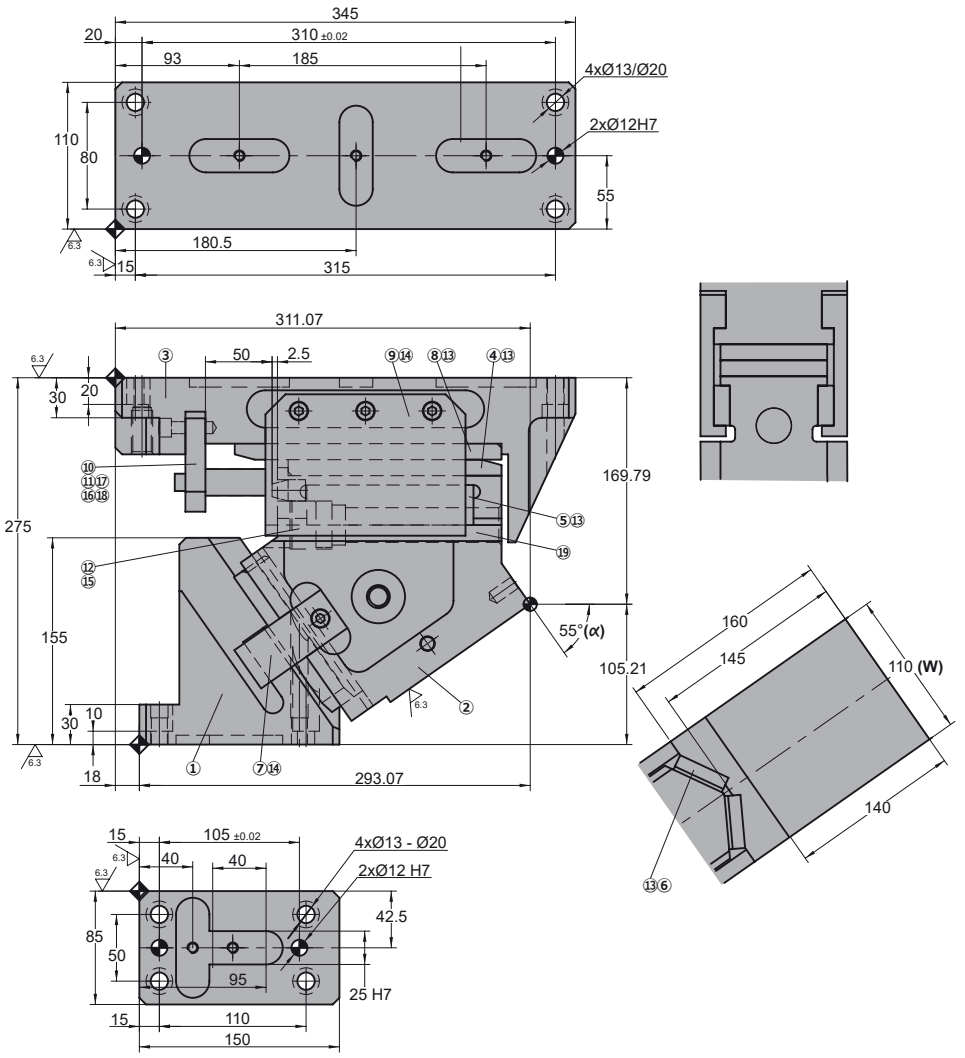
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

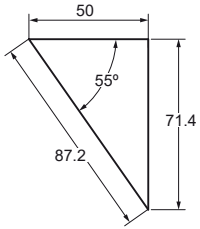
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 55



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	150.0 (15.3)	---	5479.9 (559.1)	46.5	ASVX	0110	55

Order: Model (W) (α)

ASVX 0110 55

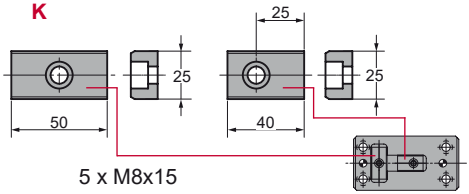
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 55-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

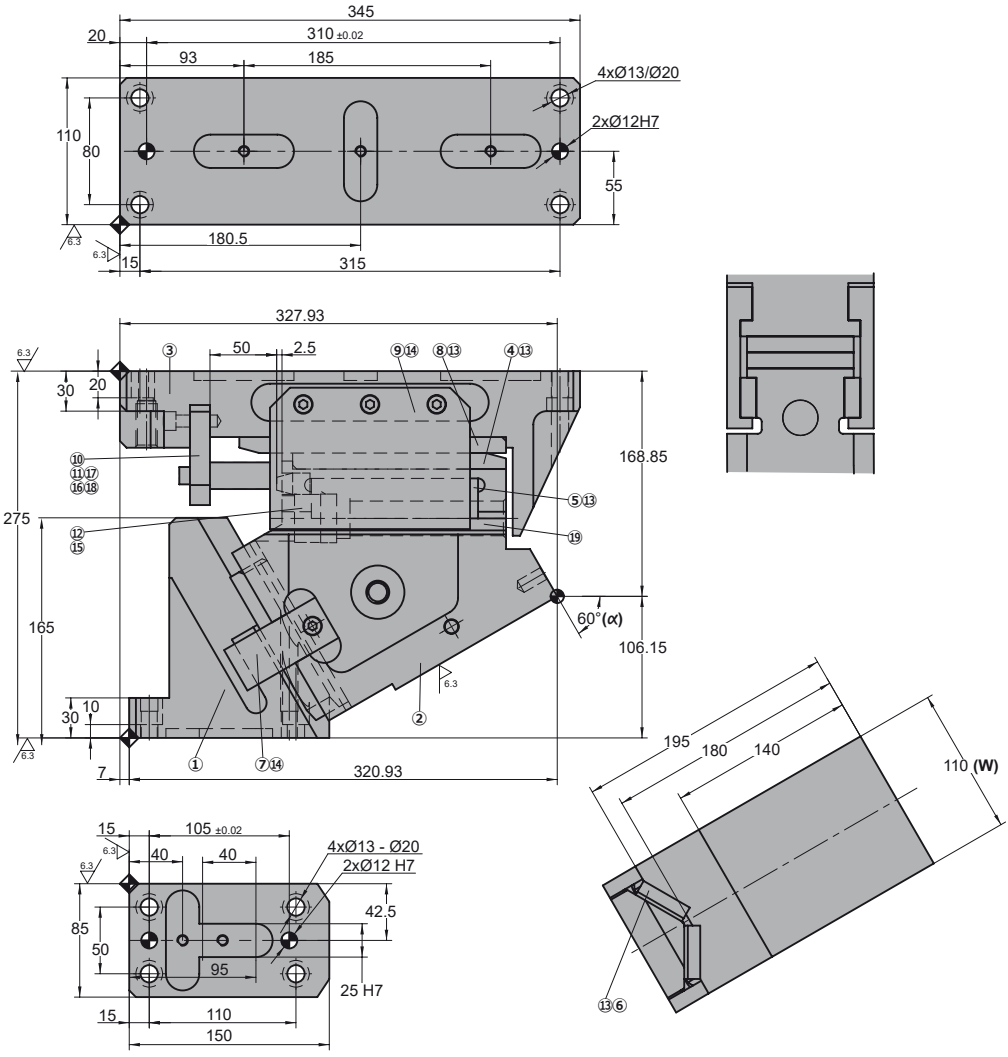
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

ASVX 0110

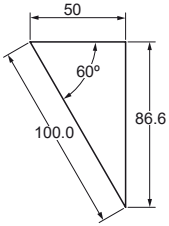
Aerial cam for pierce and flange

AZOL GAS

ASVX 0110 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
100.0	150.0 (15.3)	---	5479.9 (559.1)	47.9	ASVX	0110	60

Order: Model (W) (α)

ASVX 0110 60

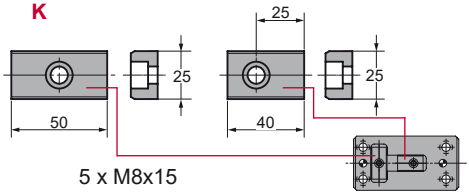
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 60-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

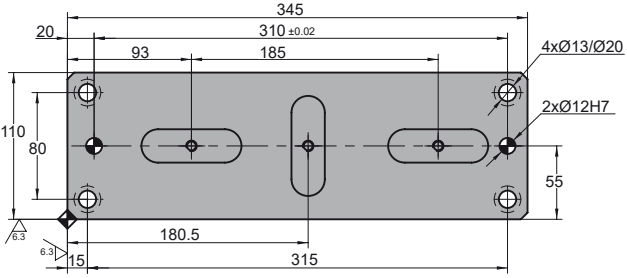
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 80
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 063

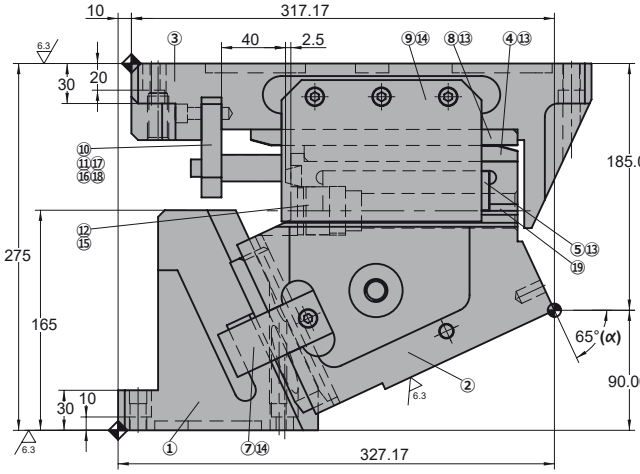
ASVX 0110

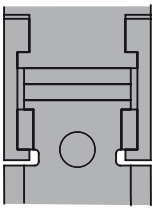
Aerial cam for pierce and flange

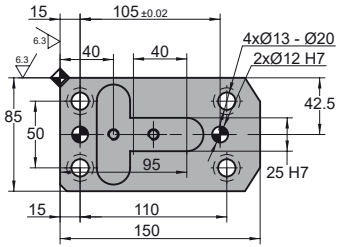
AZOL GAS

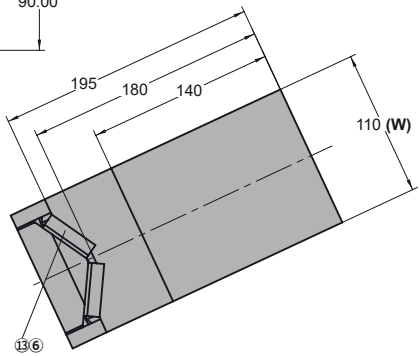
ASVX 0110 65



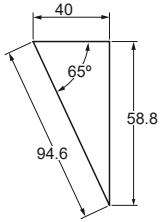








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
94.6	150.0 (15.3)	---	5501.2 (561.3)	48.9	ASVX	0110	65

Order: Model (W) (α)

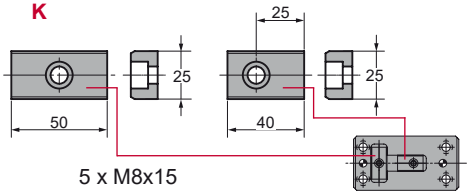
ASVX 0110 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option

ASVX 0110 65-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

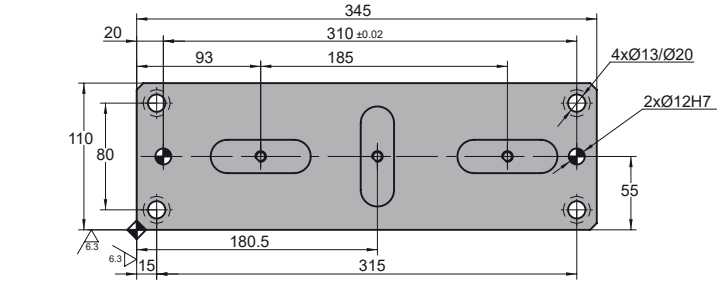
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 75
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 050

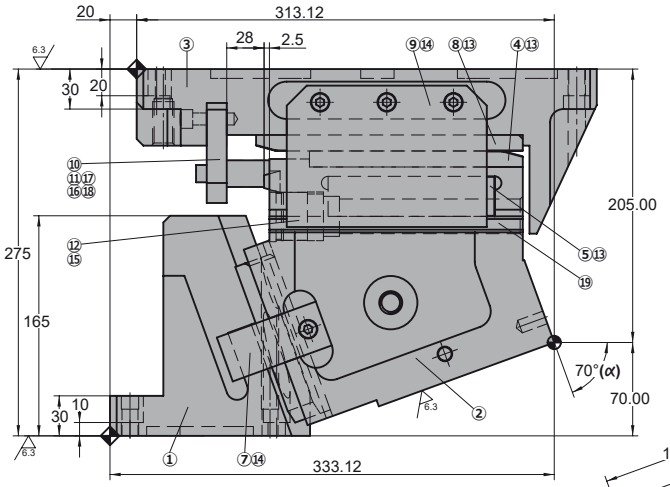
ASVX 0110

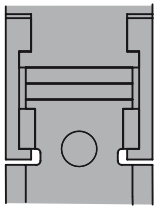
Aerial cam for pierce and flange

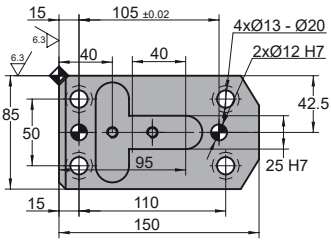
AZOL GAS

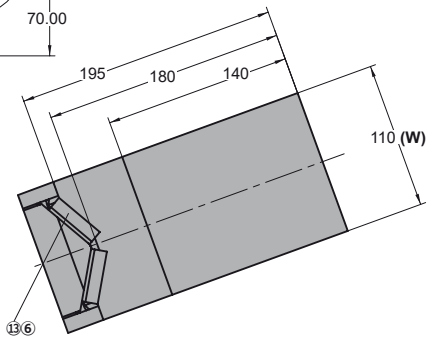
ASVX 0110 70



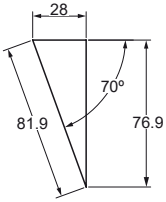








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
81.9	150.0 (15.3)	---	5193.0 (529.9)	50.8	ASVX	0110	70

Order: Model (W) (α)

ASVX 0110 70

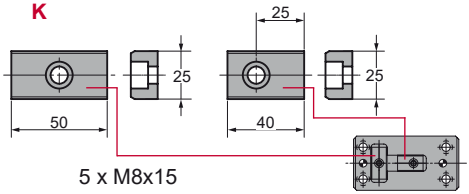
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

K



Order Options: Model (W) (α)-Option

ASVX 0110 70-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

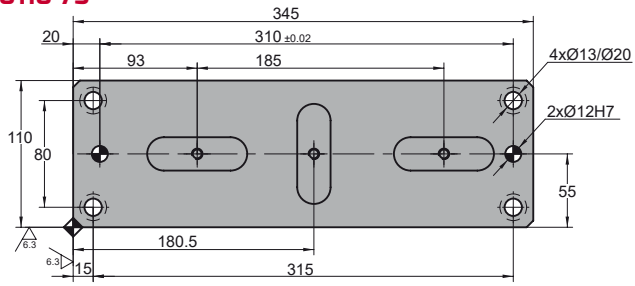
No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 60
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 038

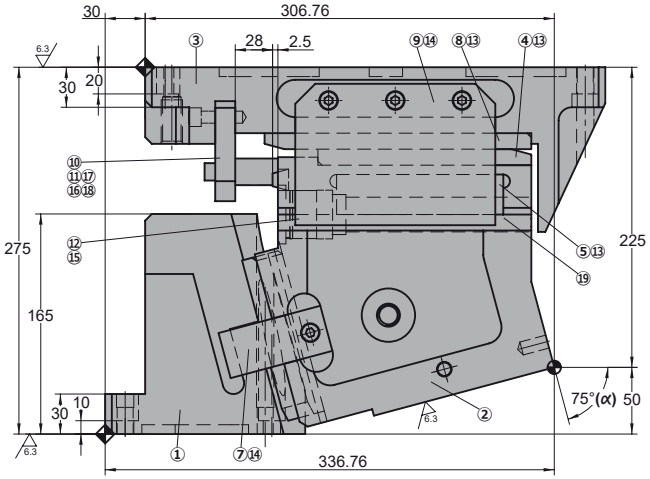
ASVX 0110

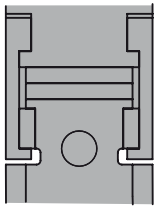
Aerial cam for pierce and flange

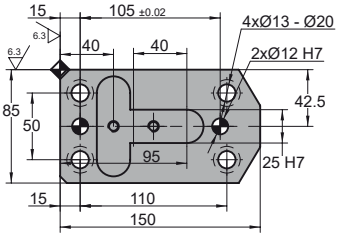
AZOL GAS

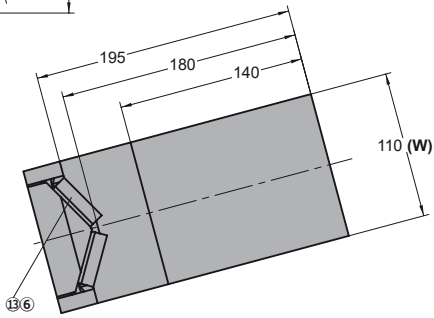
ASVX 0110 75



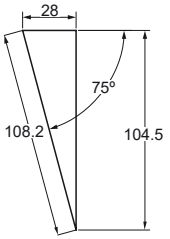








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0110

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
108.2	150.0 (15.3)	---	5193.0 (529.9)	52.6	ASVX	0110	75

Order: Model (W) (α)

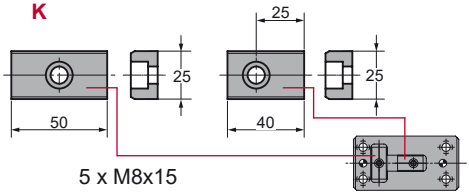
ASVX 0110 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY



Order Options: Model (W) (α)-Option

ASVX 0110 75-K

SPARE PARTS:
- ④ Slider Plate 1
- ⑥ Slider Plate 3
- ⑧ Slider Plate 4
- ⑲ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Slider Plate 1	1	Bronze + G
⑤	Slider Plate 2	2	CK45
⑥	Slider Plate 3	2	Bronze + G
⑦	Positive Return	2	CK45
⑧	Slider Plate 4	1	CK45
⑨	Cam Slider Plate	2	Bronze + G
⑩	Stopper Plate	1	CK45
⑪	Locking Stopper	1	CK45
⑫	Spring Guide Plate	2	CK45
⑬	Screw	17	M8 x 15
⑭	Screw	8	M10 x 25
⑮	Screw	2	M8 x 60

No.	Descripción	Qty.	Material
⑯	Screw	2	M10 x 20
⑰	Screw	1	M8 x 60
⑱	Stopper	2	Urethane
⑲	Gas Spring	1	CW 320 038

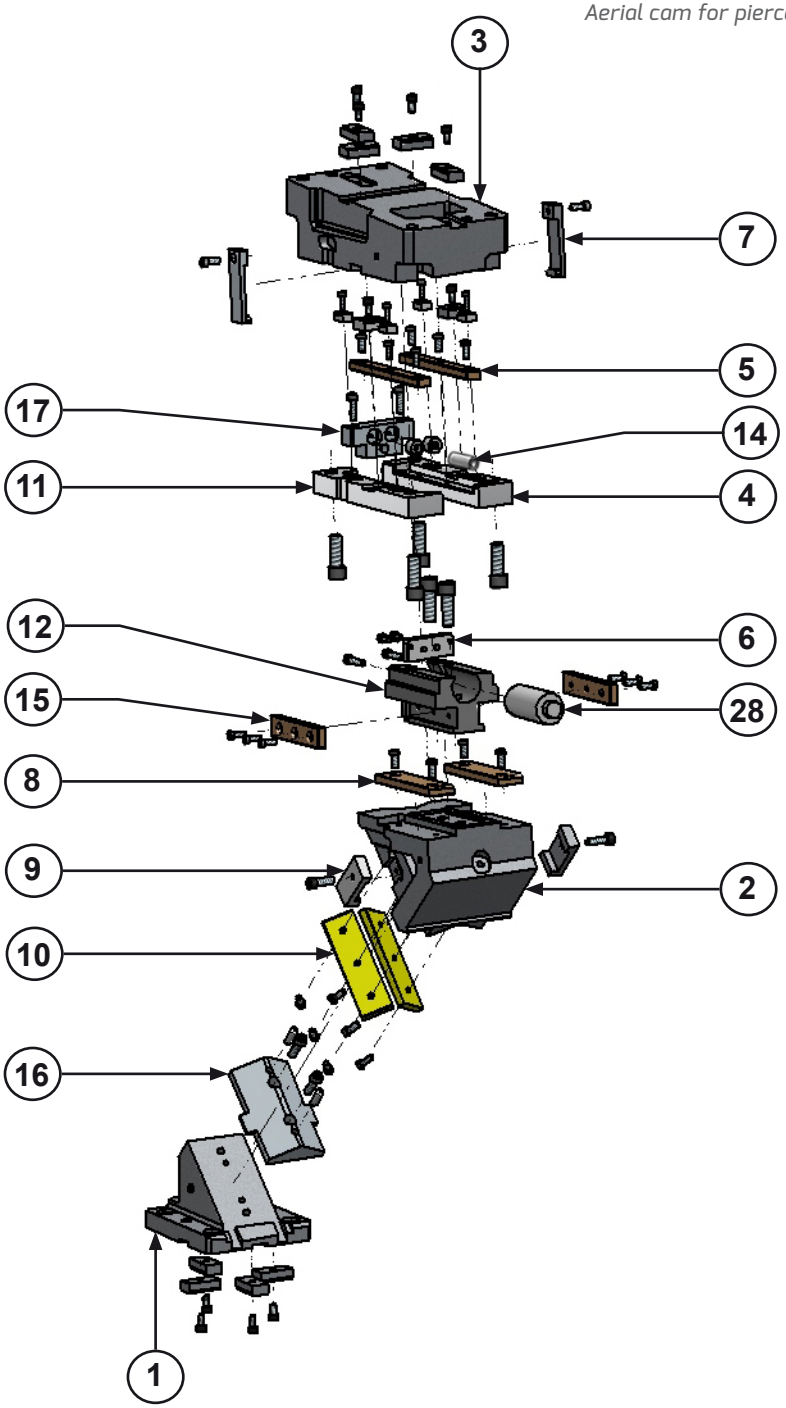
ASVX 0110

Aerial cam for pierce and flange

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

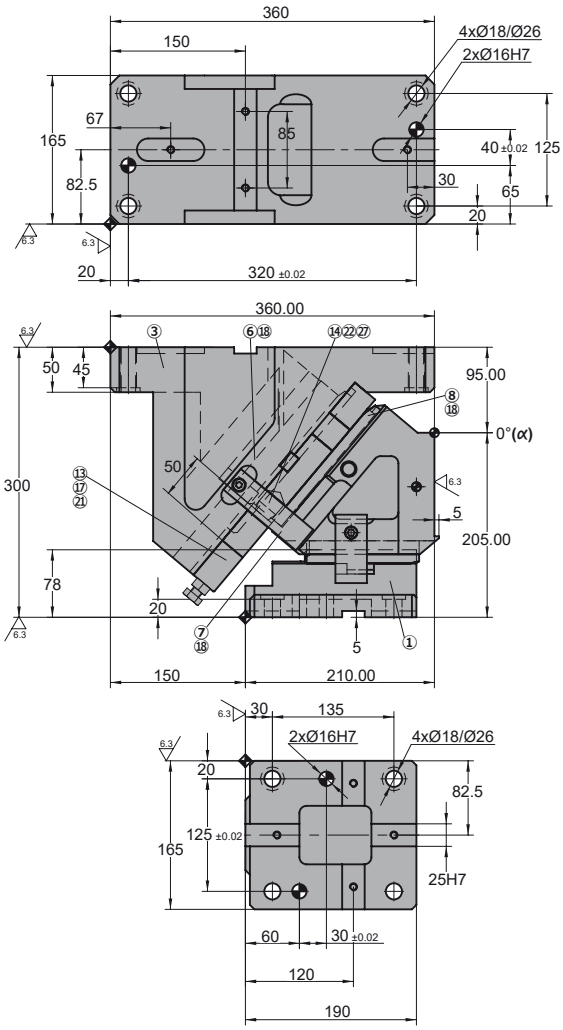


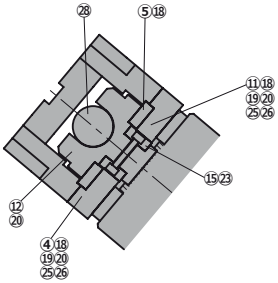
ASVX 0165

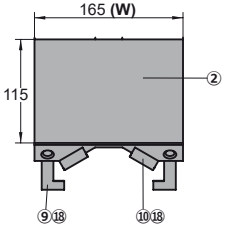
Aerial cam for pierce and flange

AZOL GAS

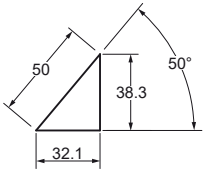
ASVX 0165 00







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	171.0 (17.4)	7400.0 (755.1)	10766.2 (1098.5)	75.1	ASVX	0165	00

Order: Model (W) (α)

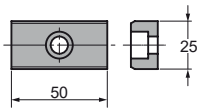
ASVX 0160 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 00-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

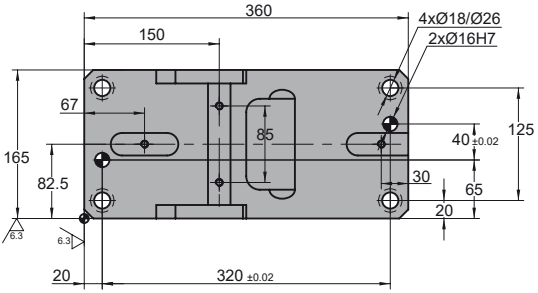
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

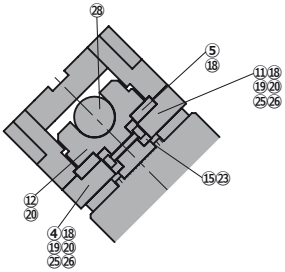
ASVX 0165

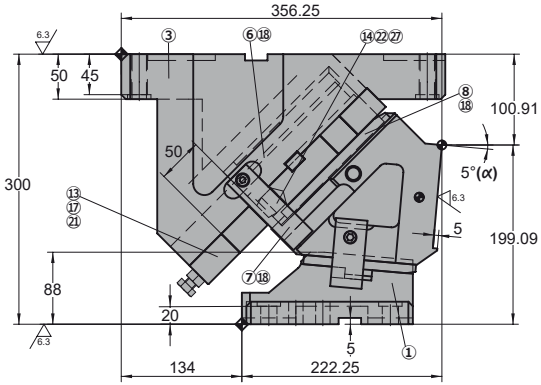
Aerial cam for pierce and flange

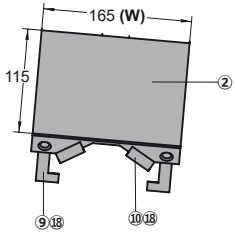
AZOL GAS

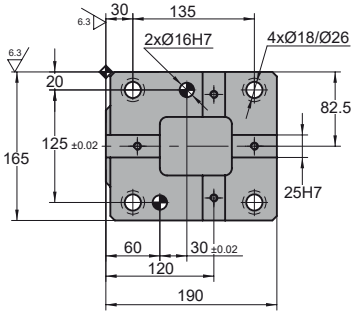
ASVX 0165 05



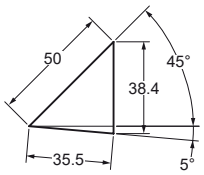








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	171.0 (17.4)	7400.0 (755.1)	10766.2 (1098.5)	72.9	ASVX	0165	05

Order: Model (W) (α)

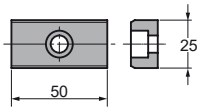
ASVX 0165 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 05-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

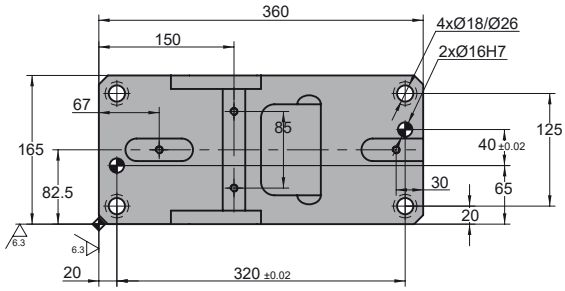
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

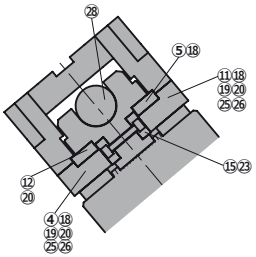
ASVX 0165

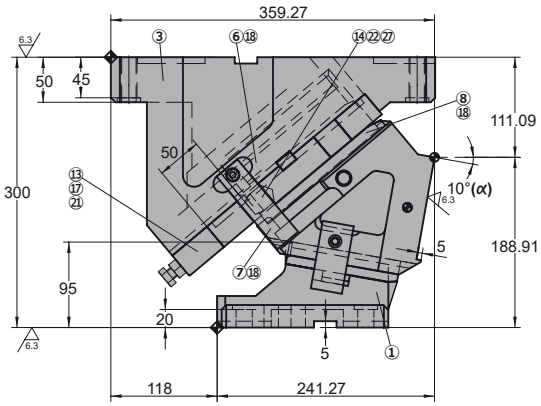
Aerial cam for pierce and flange

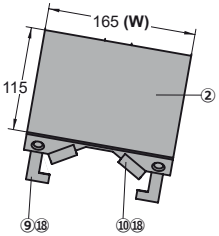
AZOL GAS

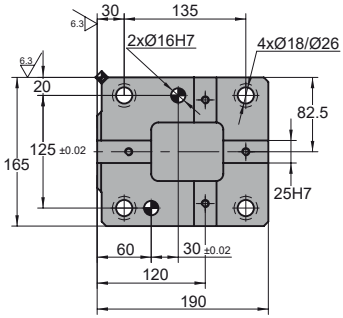
ASVX 0165 10



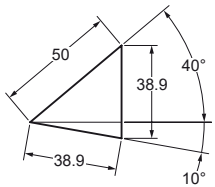








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	171.0 (17.4)	---	10766.2 (1098.5)	72.1	ASVX	0165	10

Order: Model (W) (α)

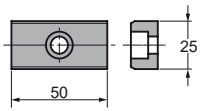
ASVX 0165 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 10-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

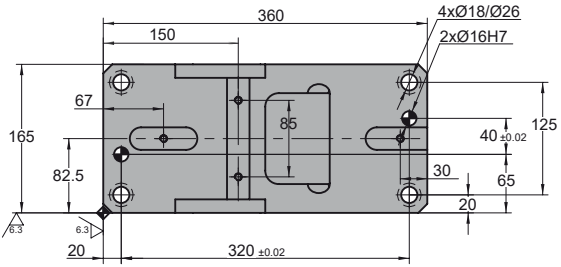
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

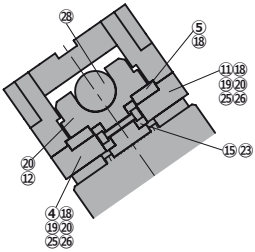
ASVX 0165

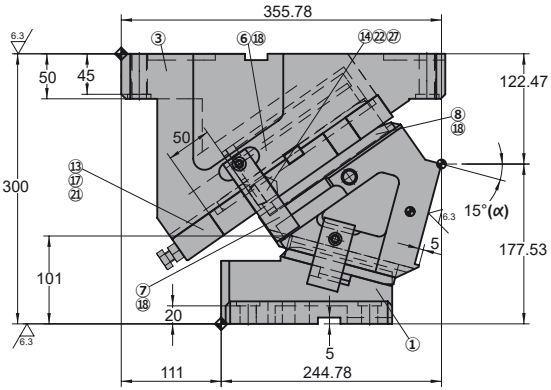
Aerial cam for pierce and flange

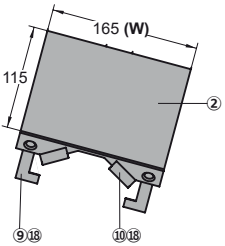
AZOL GAS

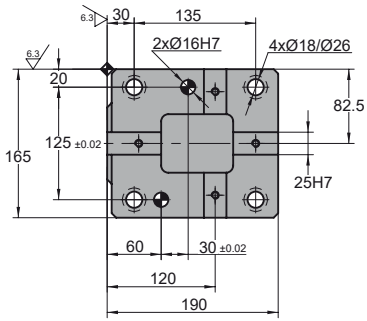
ASVX 0165 15



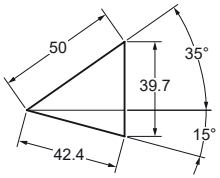








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	171.0 (17.4)	---	10766.2 (1098.5)	71.6	ASVX	0165	15

Order: Model (W) (α)

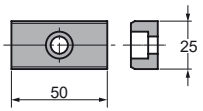
ASVX 0165 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 15-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

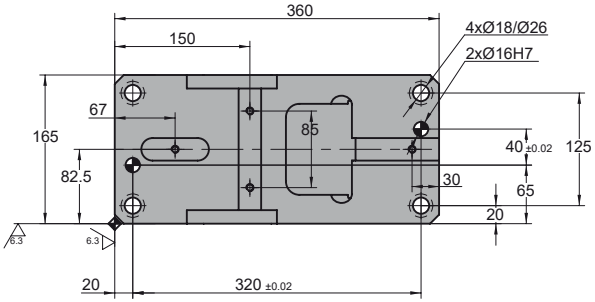
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

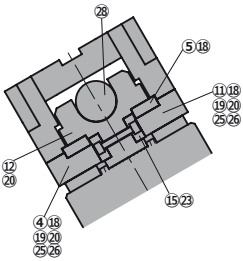
ASVX 0165

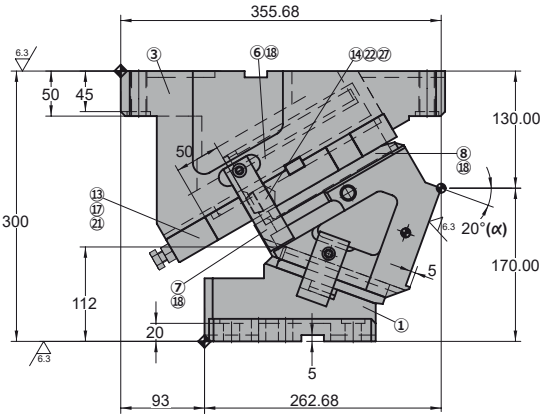
Aerial cam for pierce and flange

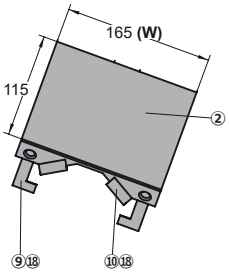
AZOL GAS

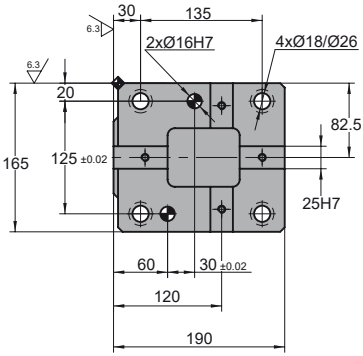
ASVX 0165 20



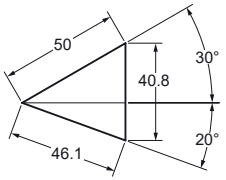








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	171.0 (17.4)	---	10766.2 (1098.5)	70.3	ASVX	0165	20

Order: Model (W) (α)

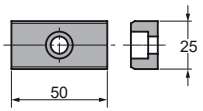
ASVX 0165 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 20-K

SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

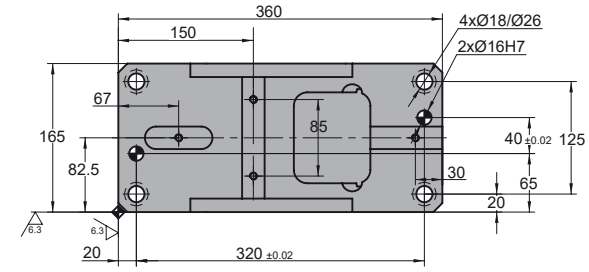
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

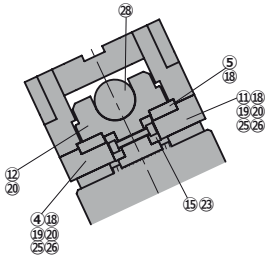
ASVX 0165

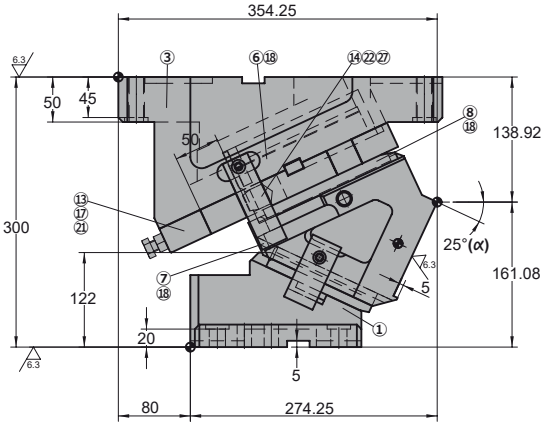
Aerial cam for pierce and flange

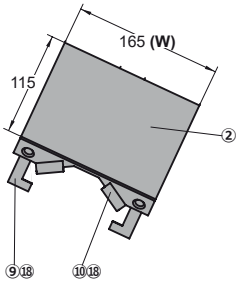
AZOL GAS

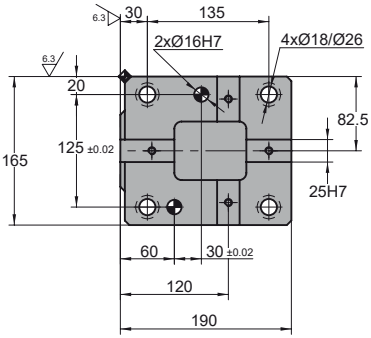
ASVX 0165 25



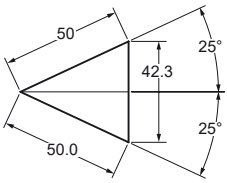








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50	171.0 (17.4)	---	10766.2 (1098.5)	69.8	ASVX	0165	25

Order: Model (W) (α)

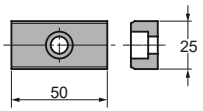
ASVX 0165 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 25-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

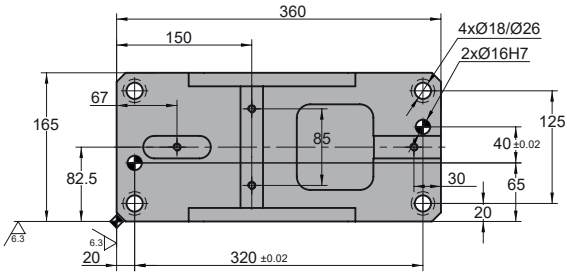
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

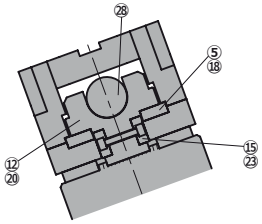
ASVX 0165

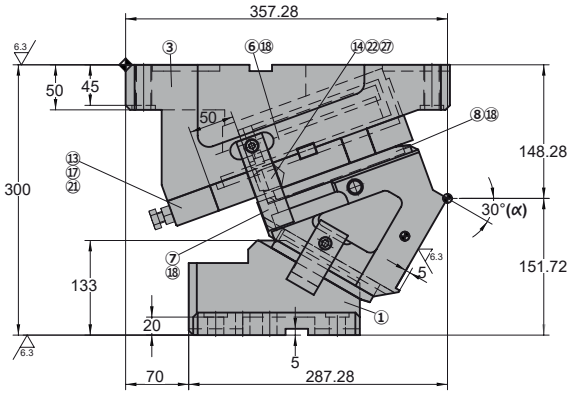
Aerial cam for pierce and flange

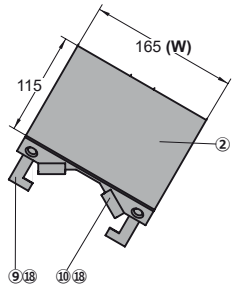
AZOL GAS

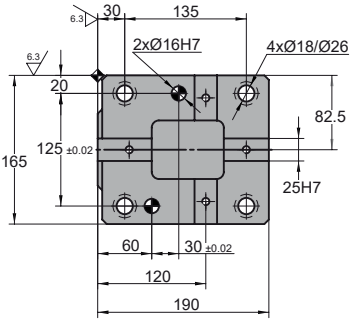
ASVX 0165 30



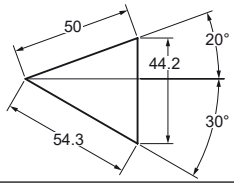








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	171.0 (17.4)	---	10766.2 (1098.5)	69.0	ASVX	0165	30

Order: Model (W) (α)

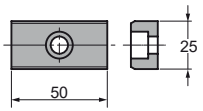
ASVX 0165 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 30-K

SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

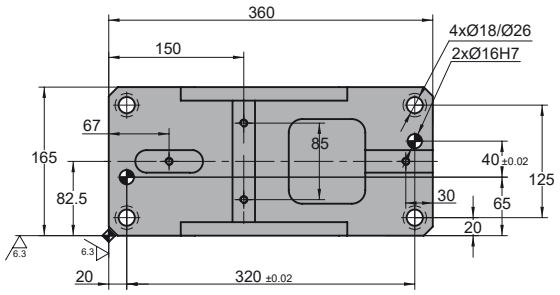
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

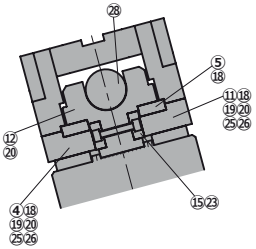
ASVX 0165

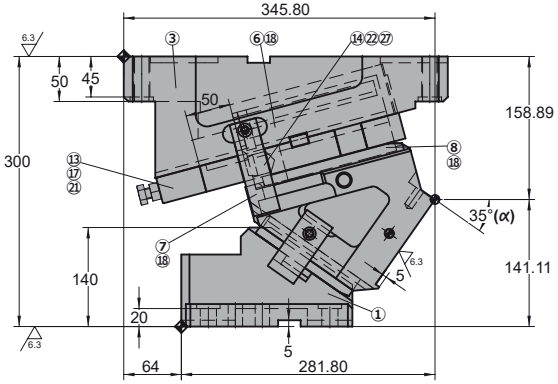
Aerial cam for pierce and flange

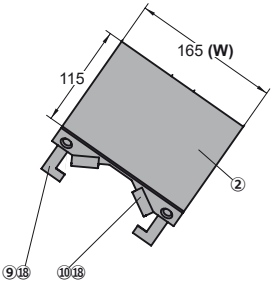
AZOL GAS

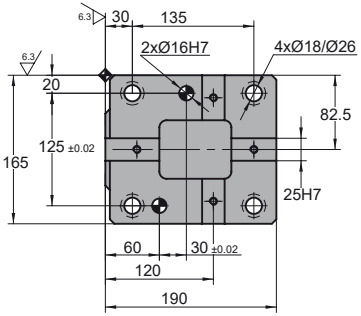
ASVX 0165 35



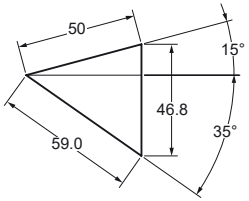








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	171.0 (17.4)	---	10766.2 (1098.5)	69.4	ASVX	0165	35

Order: Model (W) (α)

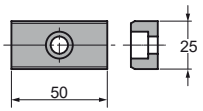
ASVX 0165 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 35-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

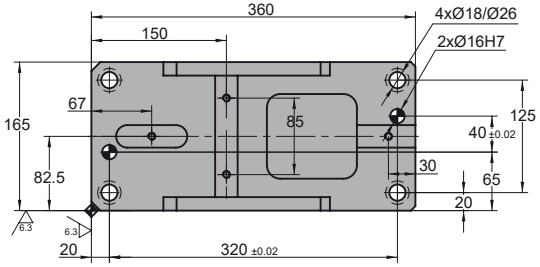
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

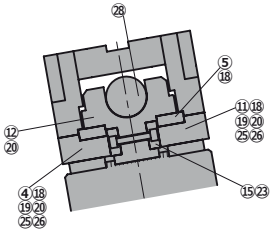
ASVX 0165

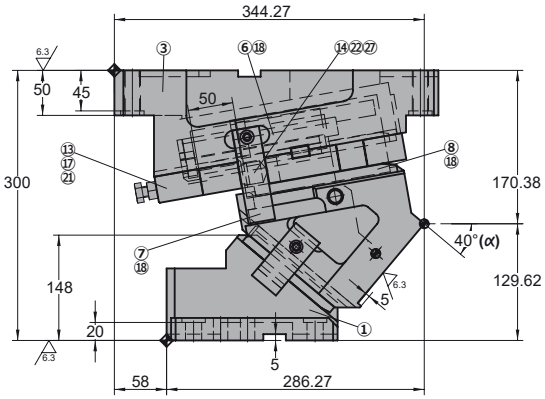
Aerial cam for pierce and flange

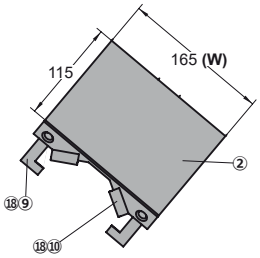
AZOL GAS

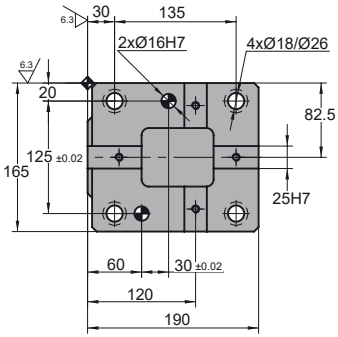
ASVX 0165 40



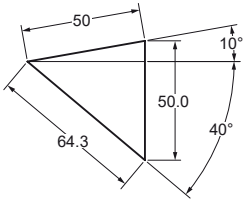








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	171.0 (17.4)	---	10766.2 (1098.5)	69.3	ASVX	0165	40

Order: Model (W) (α)

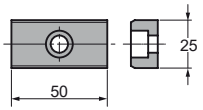
ASVX 0165 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 40-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

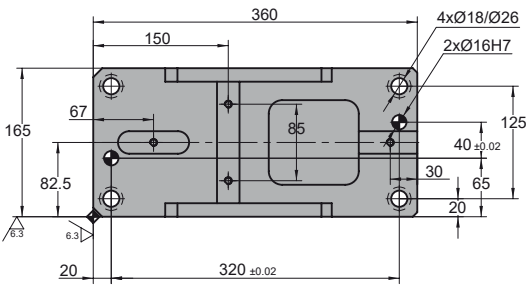
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

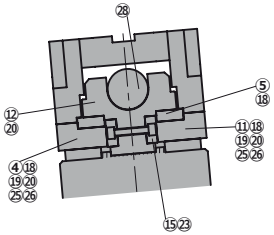
ASVX 0165

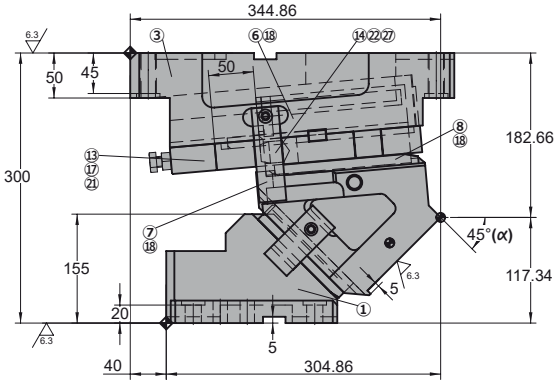
Aerial cam for pierce and flange

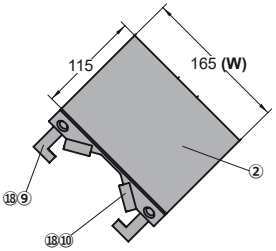
AZOL GAS

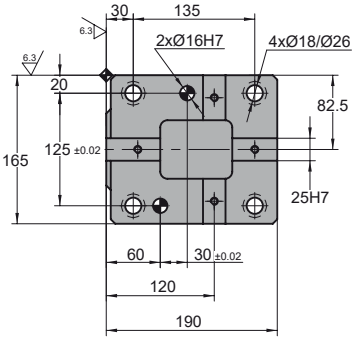
ASVX 0165 45



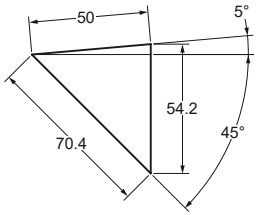








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	171.0 (17.4)	---	10766.2 (1098.5)	70.3	ASVX	0165	45

Order: Model (W) (α)

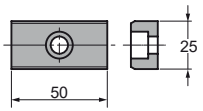
ASVX 0165 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 45-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

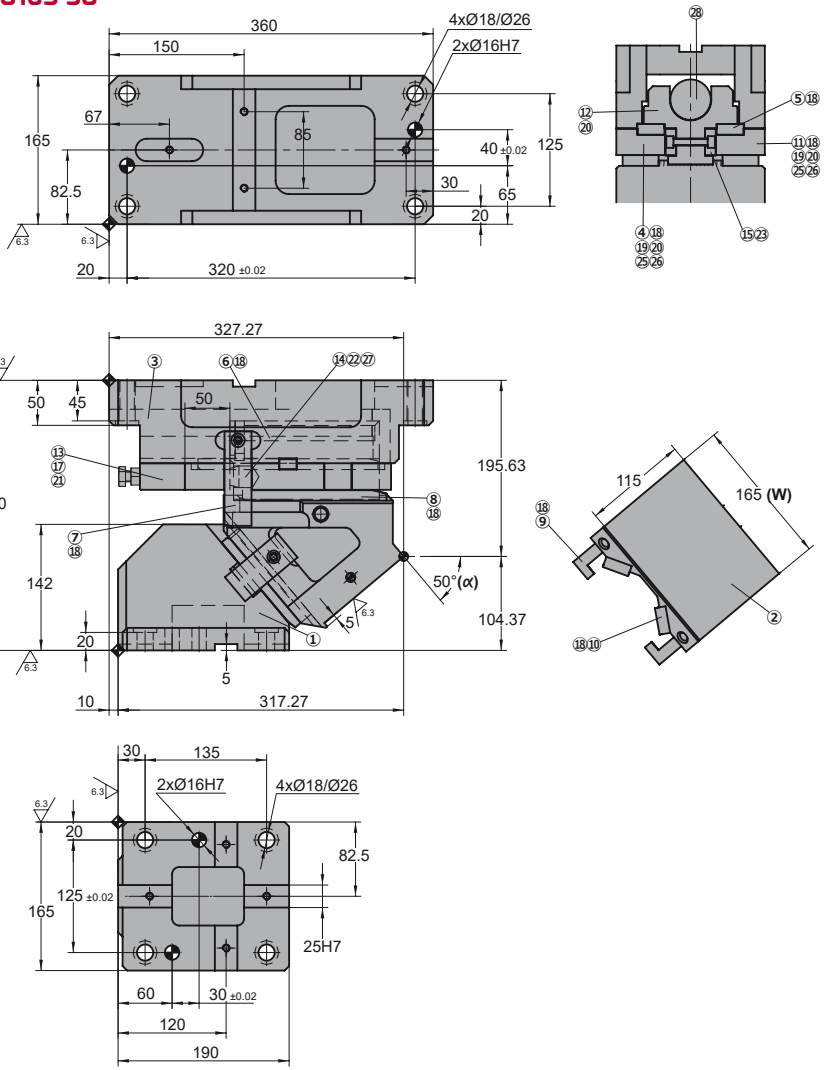
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	4	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 063

ASVX 0165

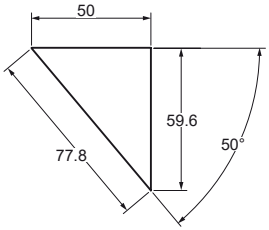
Aerial cam for pierce and flange

AZOL GAS

ASVX 0165 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	171.0 (17.4)	---	10766.2 (1098.5)	69.1	ASVX	0165	50

Order: Model (W) (α)

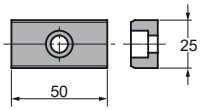
ASVX 0165 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 50-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

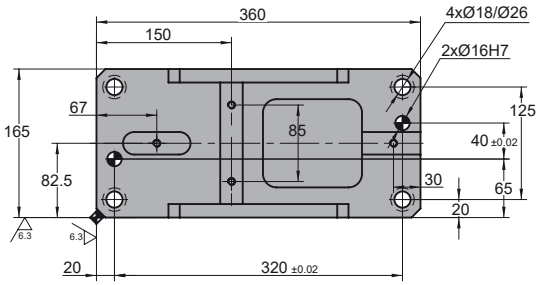
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 050

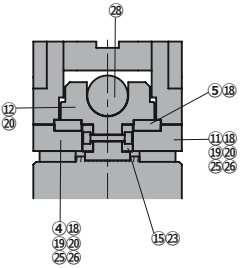
ASVX 0165

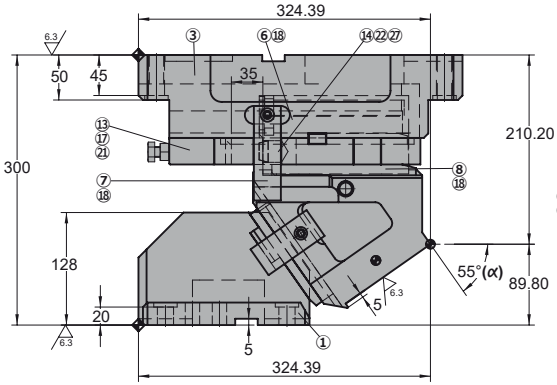
Aerial cam for pierce and flange

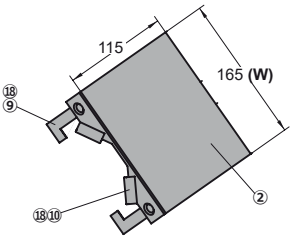
AZOL GAS

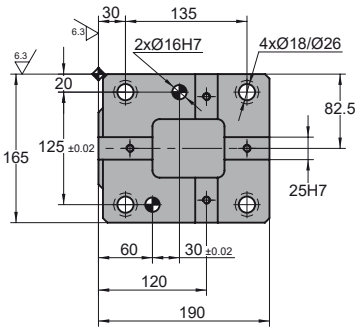
ASVX 0165 55



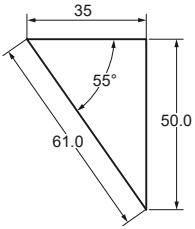








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
61.0	171.0 (17.4)	---	10191.3 (1039.9)	68.1	ASVX	0165	55

Order: Model (W) (α)

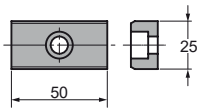
ASVX 0165 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 55-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

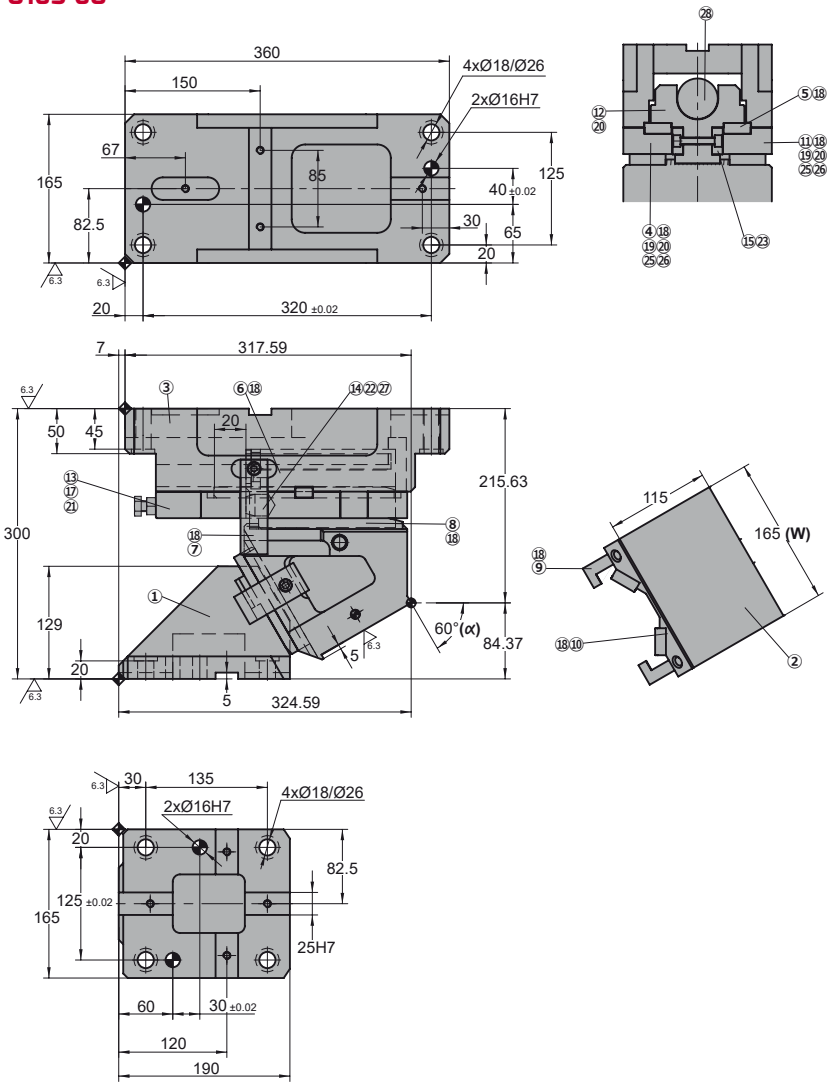
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 050

ASVX 0165

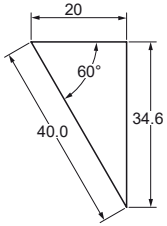
Aerial cam for pierce and flange

AZOL GAS

ASVX 0165 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
40.0	171.0 (17.4)	---	9293.6 (948.3)	68.3	ASVX	0165	60

Order: Model (W) (α)

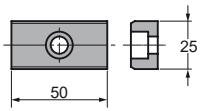
ASVX 0165 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 60-K

SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

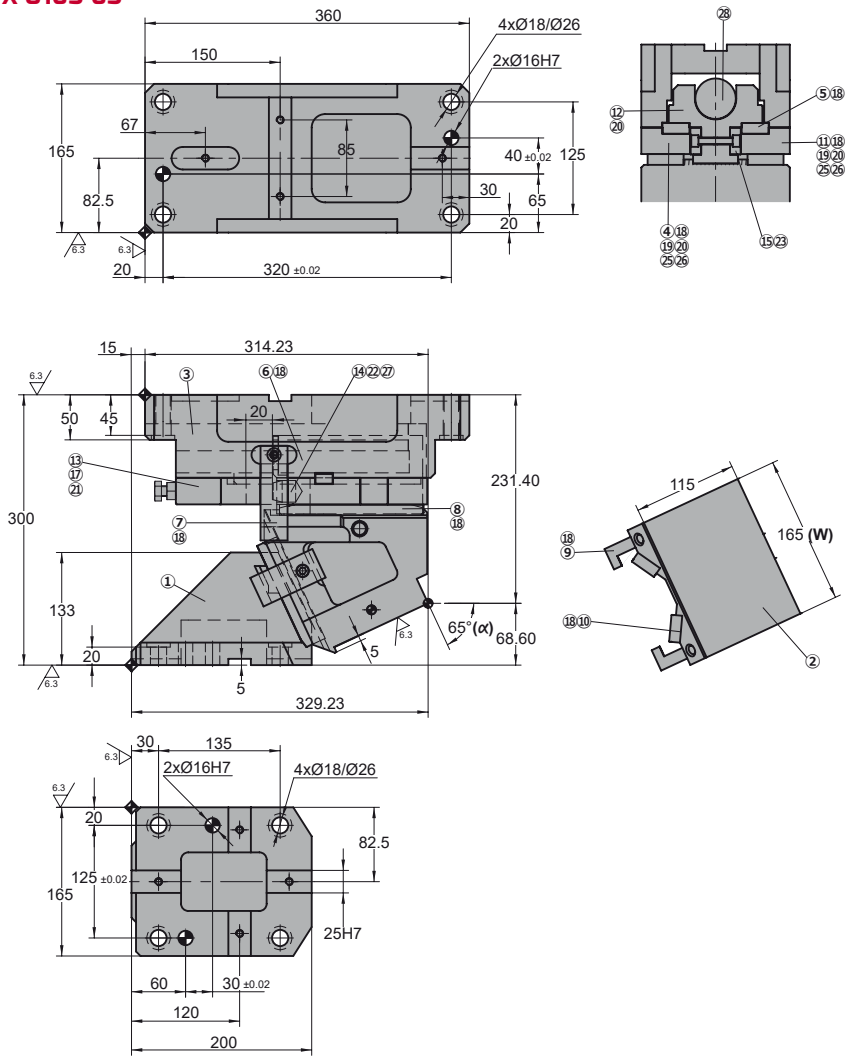
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

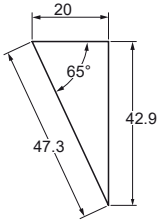
Aerial cam for pierce and flange

AZOL GAS

ASVX 0165 65



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
47.3	171.0 (17.4)	---	9293.6 (948.3)	70.0	ASVX	0165	65

Order: Model (W) (α)

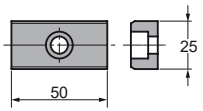
ASVX 0165 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 65-K

SPARE PARTS:

- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

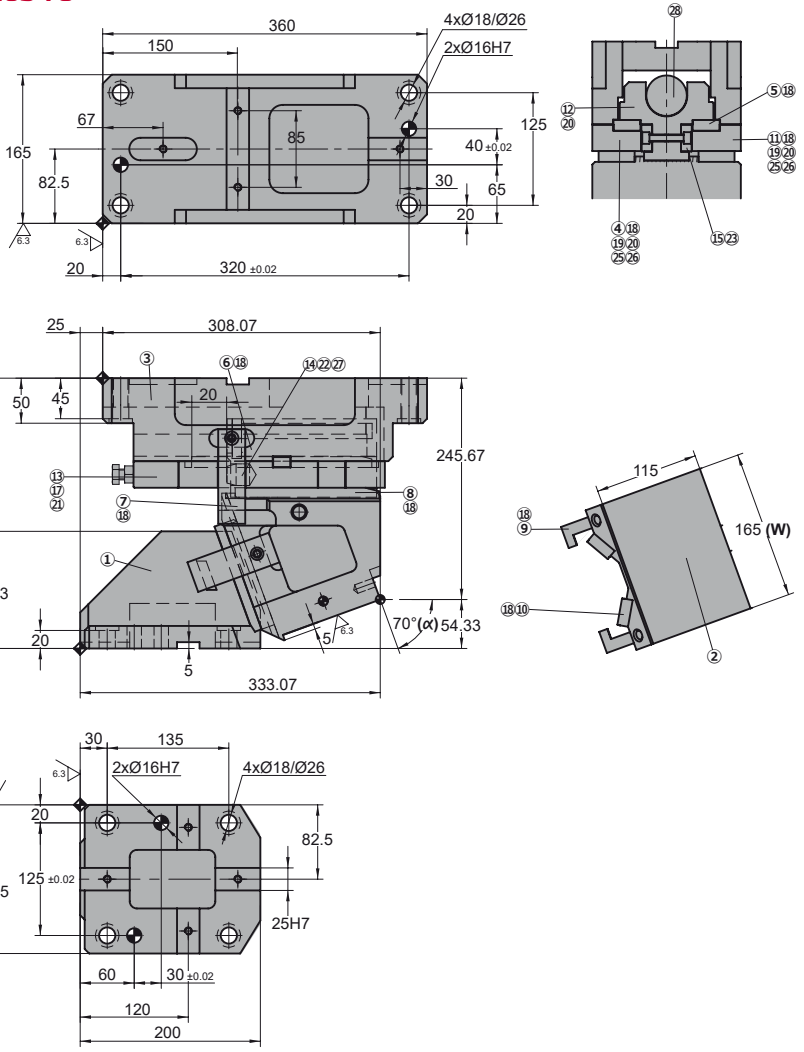
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

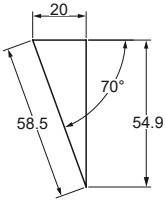
Aerial cam for pierce and flange

AZOL GAS

ASVX 0165 70



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	171.0 (17.4)	---	9293.6 (948.3)	71.7	ASVX	0165	70

Order: Model (W) (α)

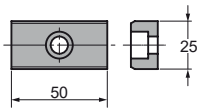
ASVX 0165 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 70-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

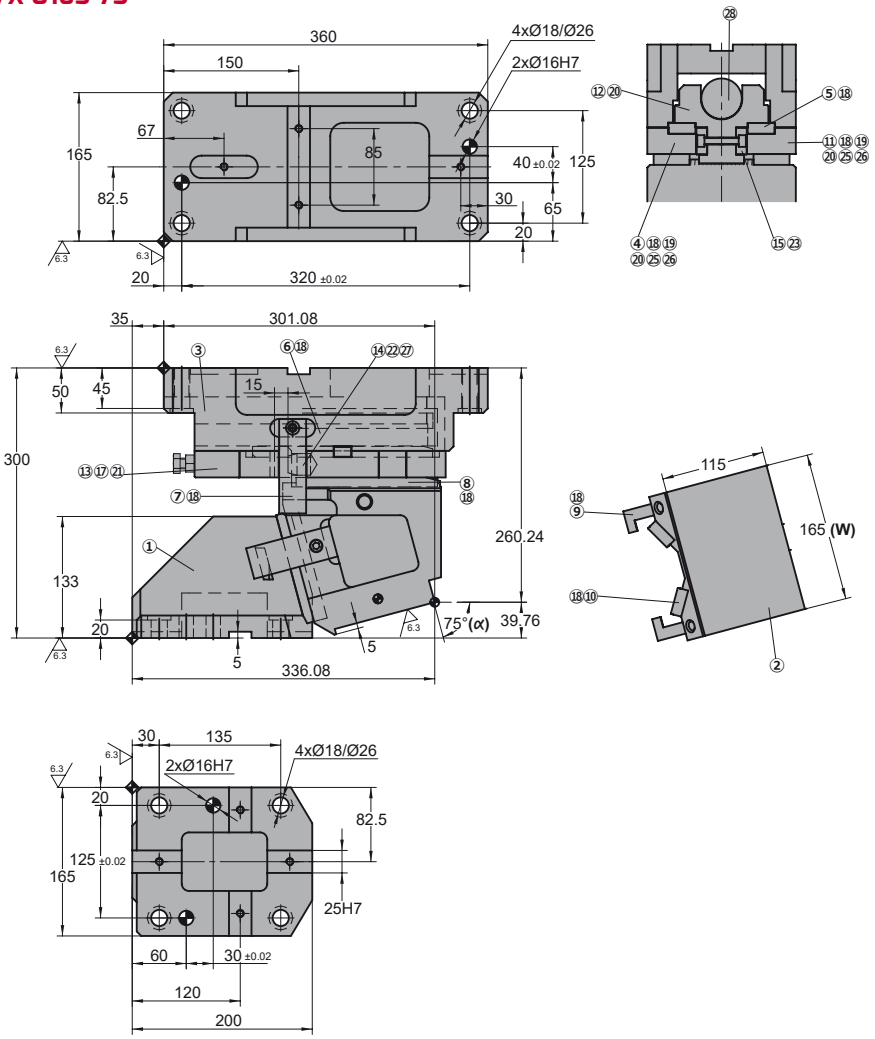
No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

ASVX 0165

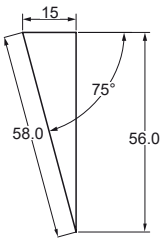
Aerial cam for pierce and flange

AZOL GAS

ASVX 0165 75



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0165

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.0	171.0 (17.4)	---	8734.9 (891.3)	73.5	ASVX	0165	75

Order: Model (W) (α)

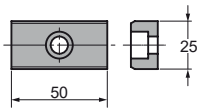
ASVX 0165 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0165 75-K

SPARE PARTS:
- ⑧ Slider Plate 2
- ⑩ Slider Plate 3
- ⑮ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Spring Guide	1	CK45
⑦	Uña extractora 1	2	CK45
⑧	Slider Plate 2	2	Bronze + G
⑨	Positive Return	2	CK45
⑩	Slider Plate 3	2	Bronze + G
⑪	Left Base Plate	1	CK45
⑫	Spring Guide	1	CK45
⑬	Stopper	1	Urethane
⑭	Locking Stopper	1	CK45

No.	Descripción	Qty.	Material
⑮	Slider Plate 4	2	Bronze + G
⑯	Slide Guide	1	CK45
⑰	Stopper Plate	1	CK45
⑱	Screw	16	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	6	M16 x 45
㉑	Screw	2	M8 x 25
㉒	Screw	2	M12 x 140
㉓	Screw	4	M8 x 15
㉔	Screw	2	M10 x 35
㉕	Key	4	CK45
㉖	Key	2	CK45
㉗	Nut	2	M12
㉘	Gas Spring	1	CW 750 038

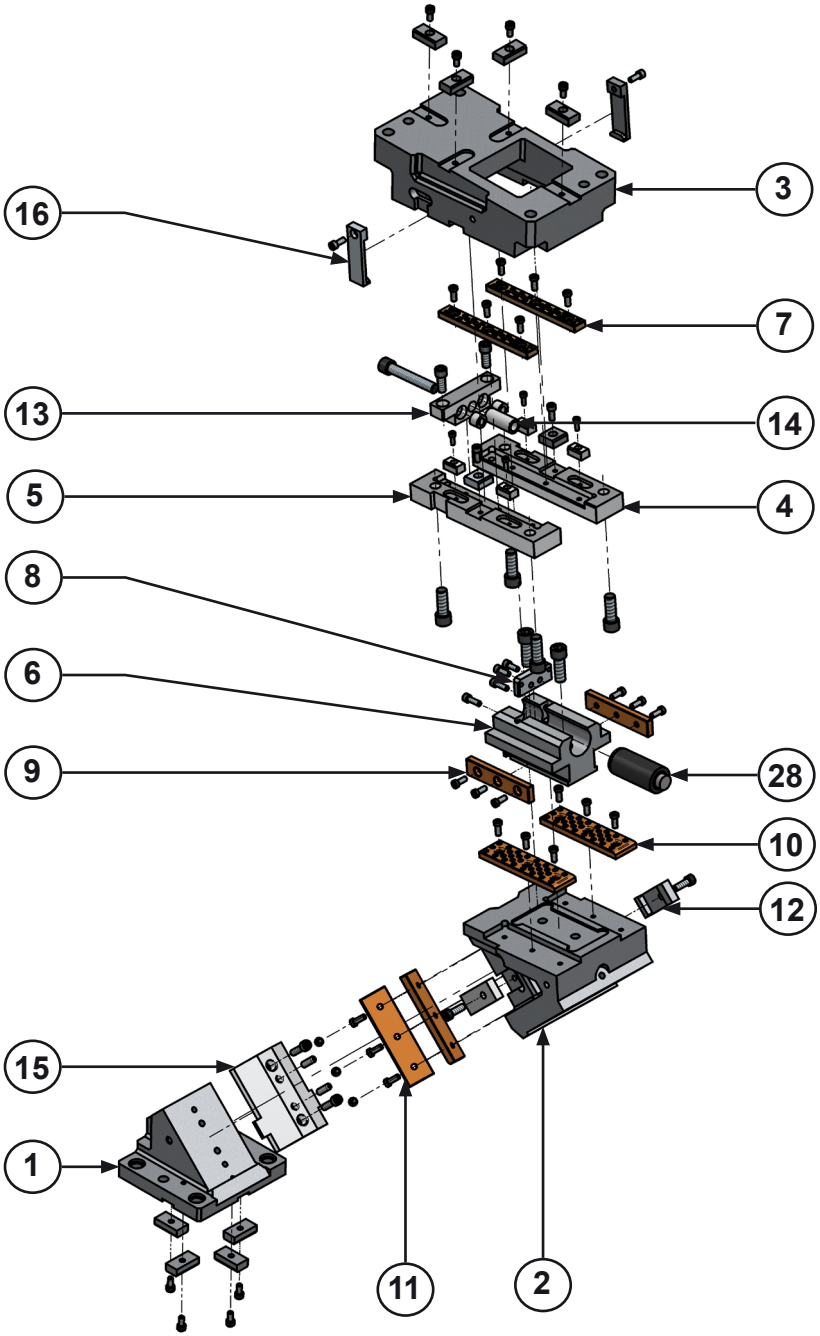
ASVX 0165

Aerial cam for pierce and flange

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

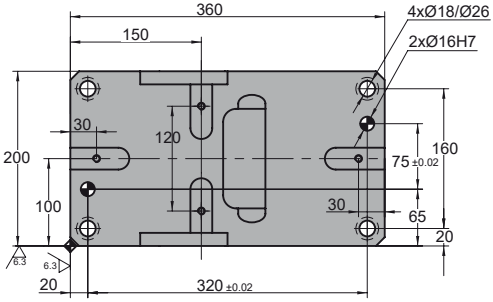


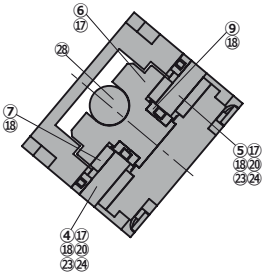
ASVX 0200

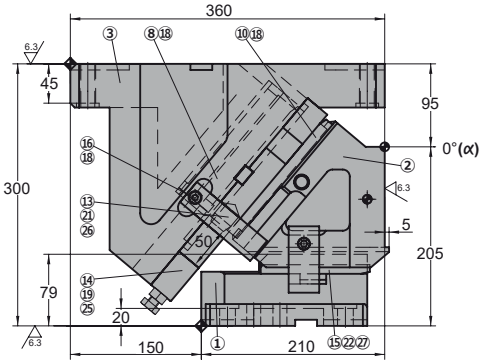
Aerial cam for pierce and flange

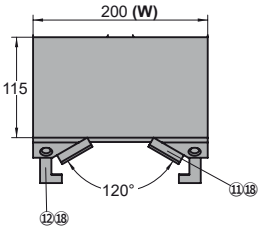
AZOL GAS

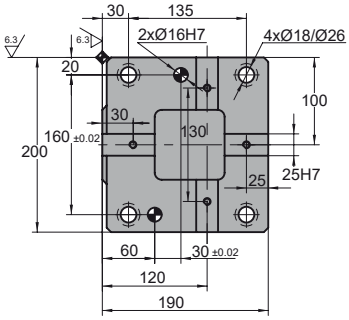
ASVX 0200 00



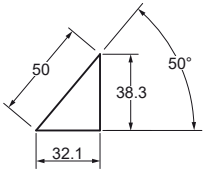








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	218.0 (22.2)	---	10766.2 (1098.5)	91.6	ASVX	0200	00

Order: Model (W) (α)

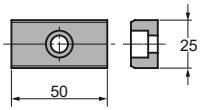
ASVX 0200 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 00-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

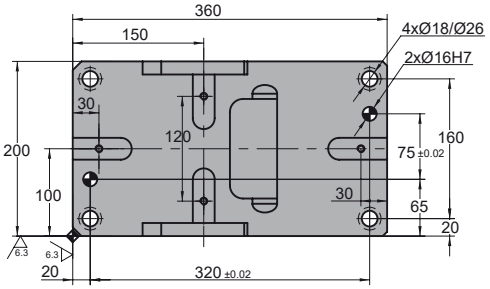
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

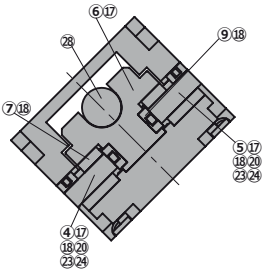
ASVX 0200

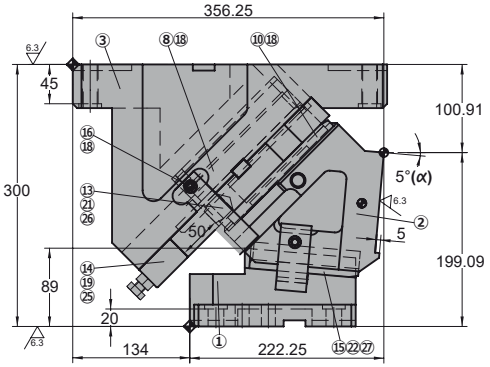
Aerial cam for pierce and flange

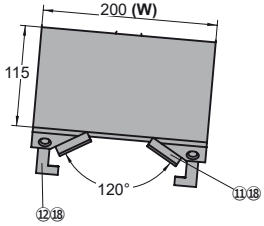
AZOL GAS

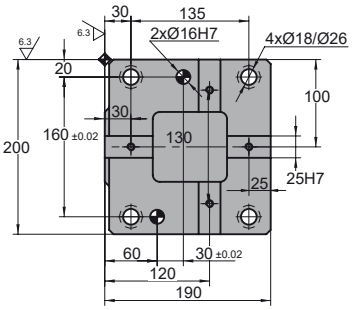
ASVX 0200 05



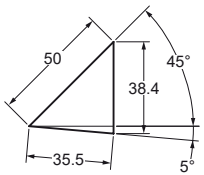








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	218.0 (22.2)	---	10766.2 (1098.5)	88.9	ASVX	0200	05

Order: Model (W) (α)

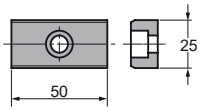
ASVX 0200 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 05-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

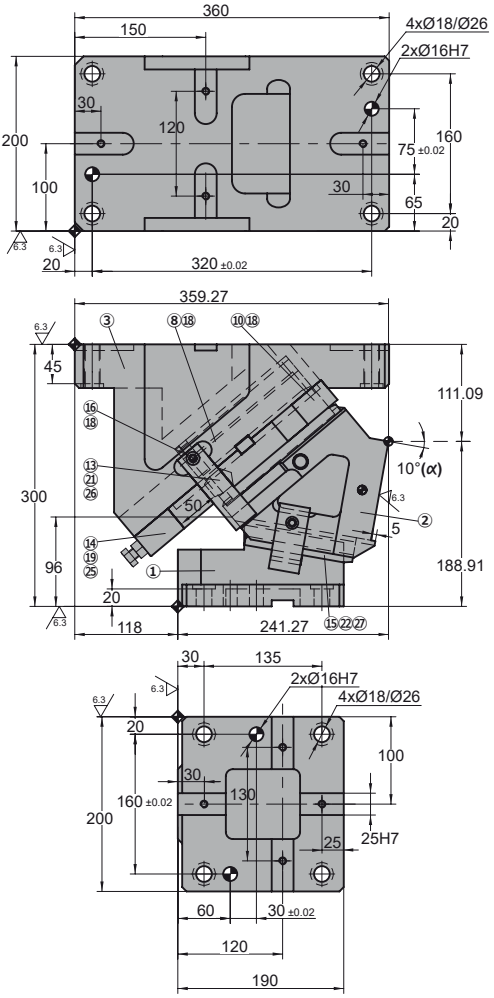
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

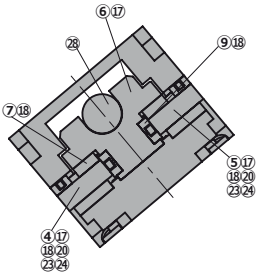
ASVX 0200

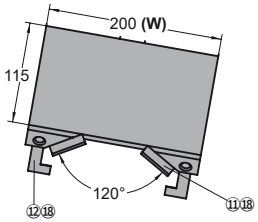
Aerial cam for pierce and flange

AZOL GAS

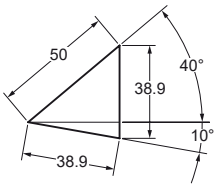
ASVX 0200 10







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	218.0 (22.2)	---	10766.2 (1098.5)	88.0	ASVX	0200	10

Order: Model (W) (α)

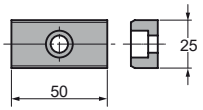
ASVX 0200 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 10-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

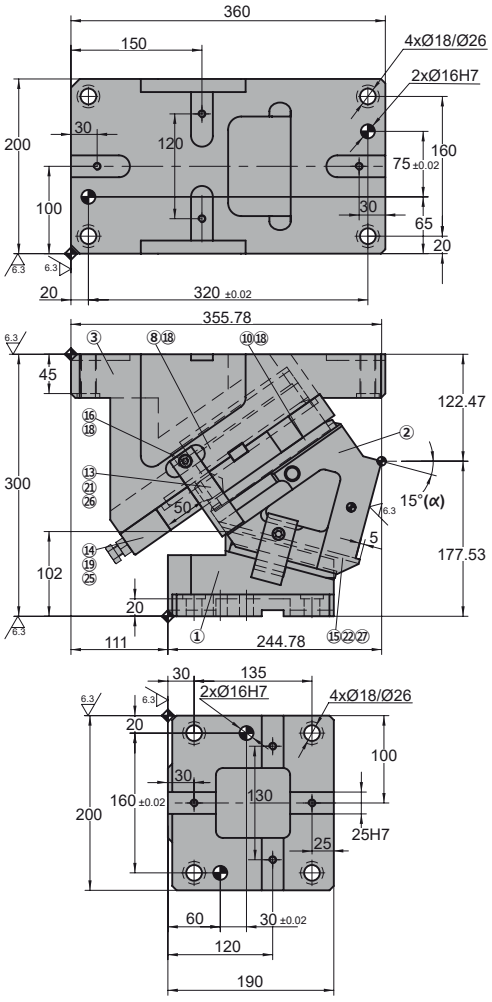
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

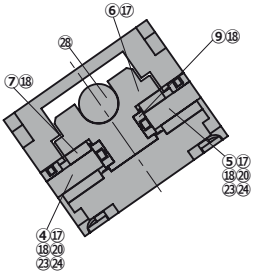
ASVX 0200

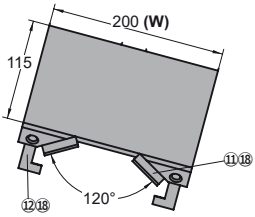
Aerial cam for pierce and flange

AZOL GAS

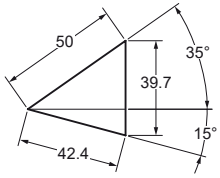
ASVX 0200 15







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	218.0 (22.2)	---	10766.2 (1098.5)	87.0	ASVX	0200	15

Order: Model (W) (α)

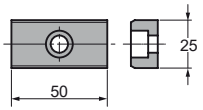
ASVX 0200 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 15-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

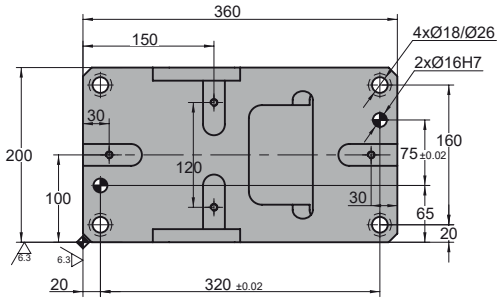
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

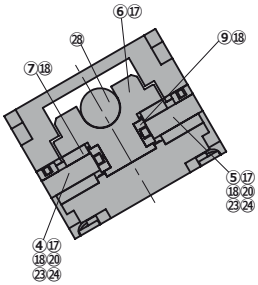
ASVX 0200

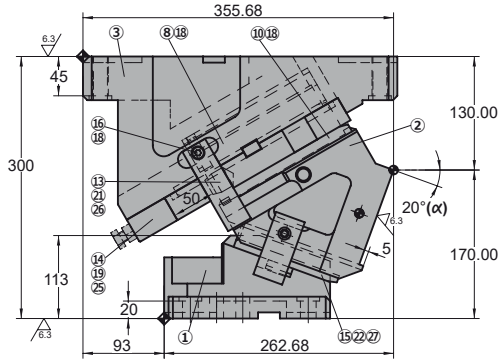
Aerial cam for pierce and flange

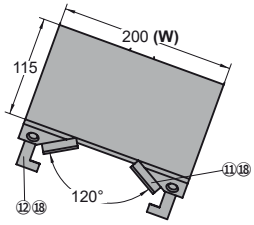
AZOL GAS

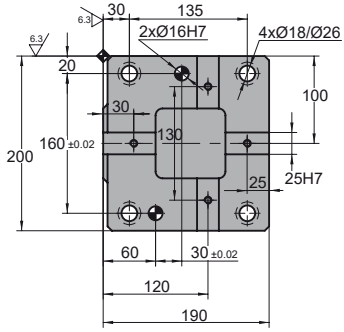
ASVX 0200 20



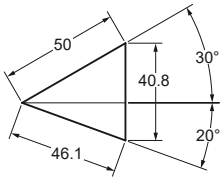








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	218.0 (22.2)	---	10766.2 (1098.5)	85.5	ASVX	0200	20

Order: Model (W) (α)

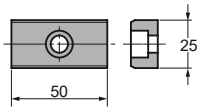
ASVX 0200 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 20-K

SPARE PARTS:

⑦ Slider Plate 1
⑨ Slider Plate 2
⑩ Slider Plate 3
⑪ Slider Plate 4
㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

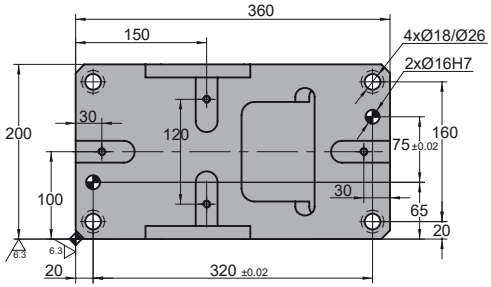
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

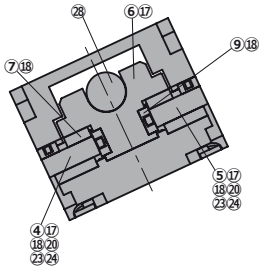
ASVX 0200

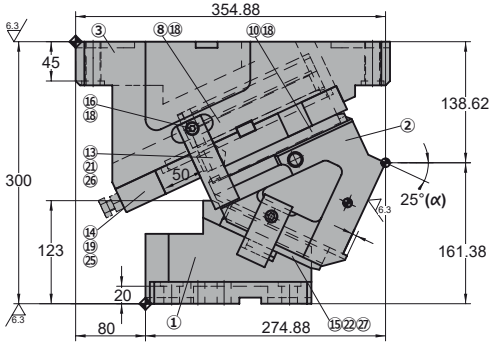
Aerial cam for pierce and flange

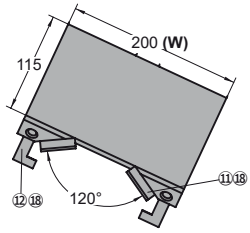
AZOL GAS

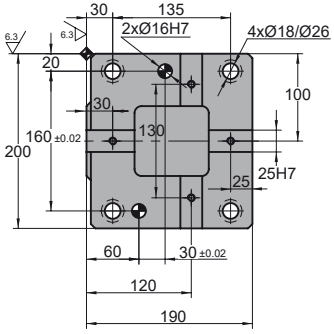
ASVX 0200 25



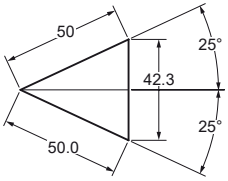








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	218.0 (22.2)	---	10766.2 (1098.5)	85.9	ASVX	0200	25

Order: Model (W) (α)

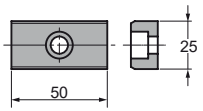
ASVX 0200 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 25-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

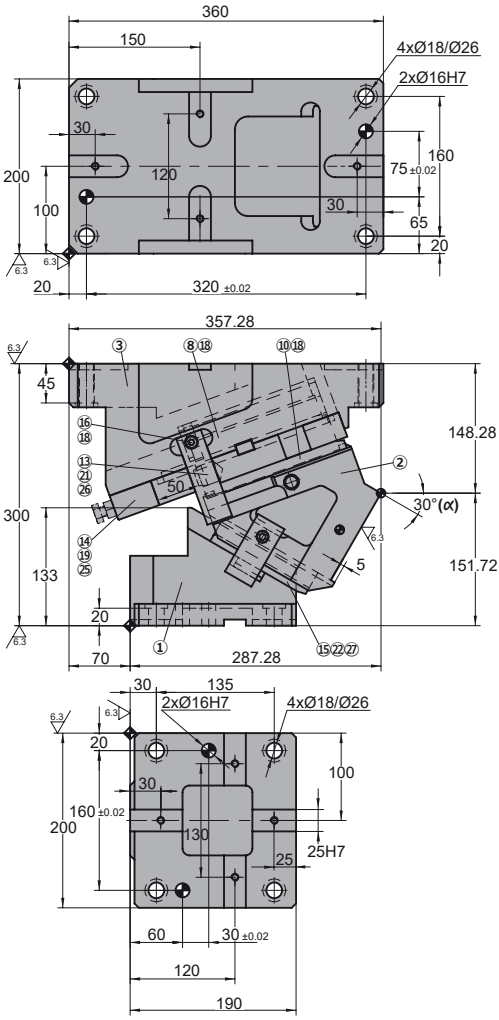
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

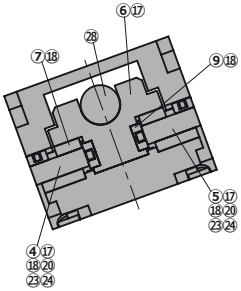
ASVX 0200

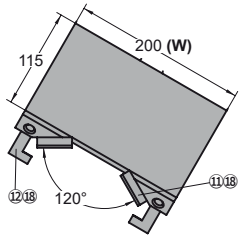
Aerial cam for pierce and flange

AZOL GAS

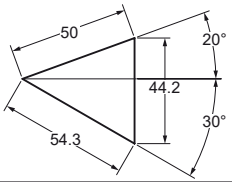
ASVX 0200 30







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	218.0 (22.2)	---	10766.2 (1098.5)	85.0	ASVX	0200	30

Order: Model (W) (α)

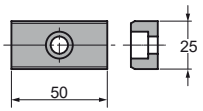
ASVX 0200 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 30-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

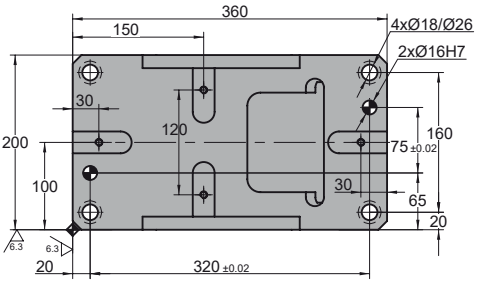
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

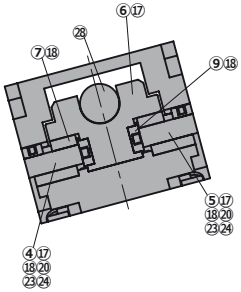
ASVX 0200

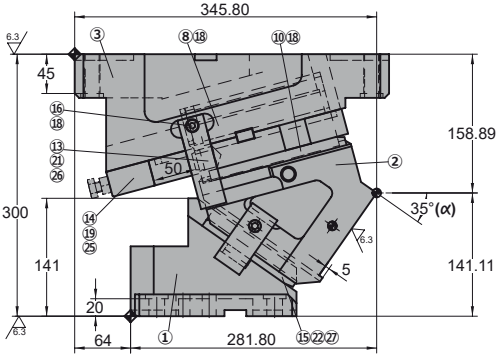
Aerial cam for pierce and flange

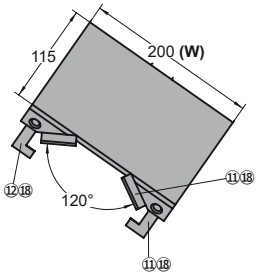
AZOL GAS

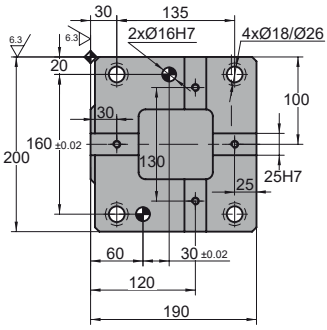
ASVX 0200 35



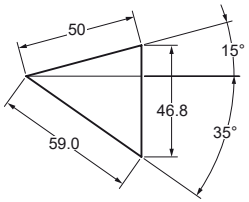








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	218.0 (22.2)	---	10766.2 (1098.5)	84.8	ASVX	0200	35

Order: Model (W) (α)

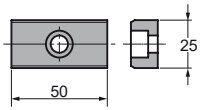
ASVX 0200 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 35-K

SPARE PARTS:

⑦ Slider Plate 1
⑨ Slider Plate 2
⑩ Slider Plate 3
⑪ Slider Plate 4
㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

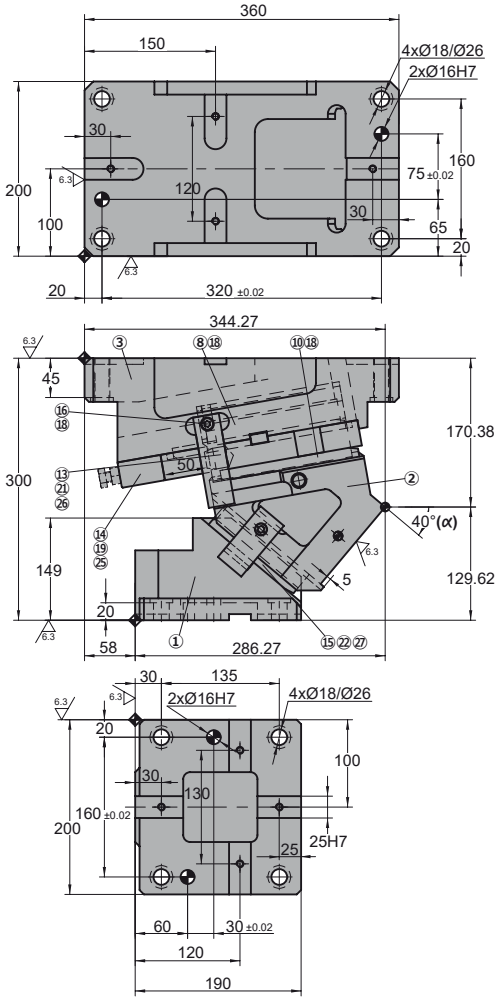
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

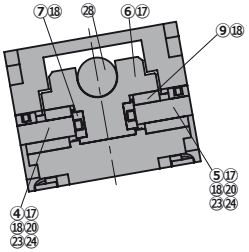
ASVX 0200

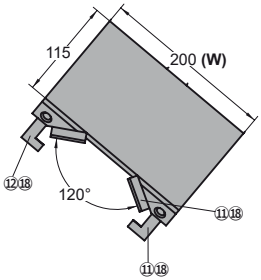
Aerial cam for pierce and flange

AZOL GAS

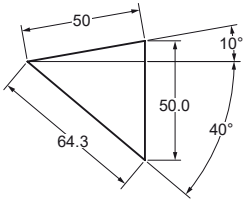
ASVX 0200 40







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	218.0 (22.2)	---	10766.2 (1098.5)	85.8	ASVX	0200	40

Order: Model (W) (α)

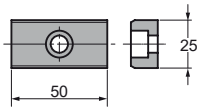
ASVX 0200 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 40-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

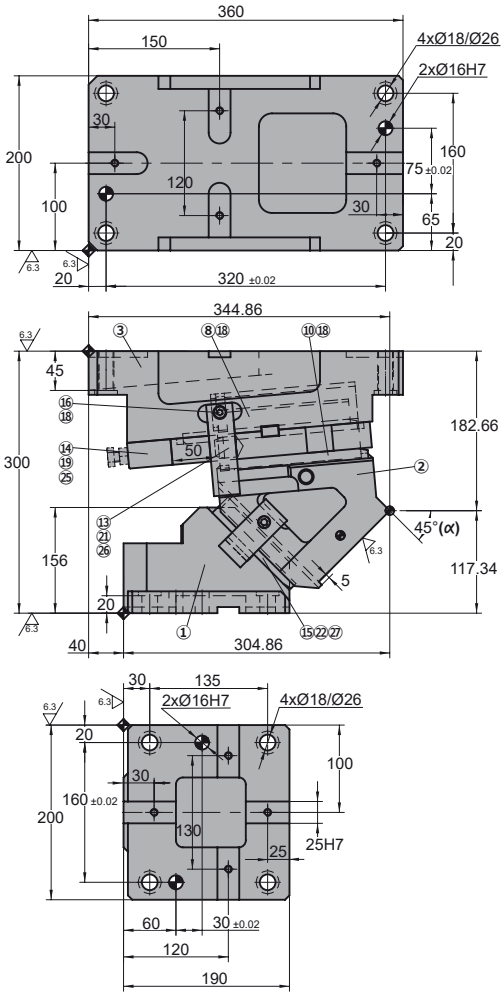
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

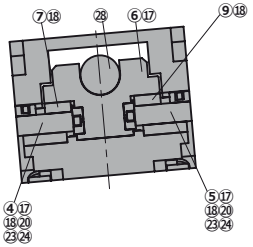
ASVX 0200

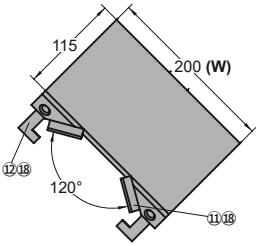
Aerial cam for pierce and flange

AZOL GAS

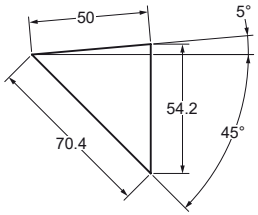
ASVX 0200 45







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	218.0 (22.2)	---	10766.2 (1098.5)	85.7	ASVX	0200	45

Order: Model (W) (α)

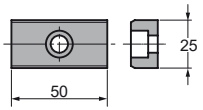
ASVX 0200 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 45-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

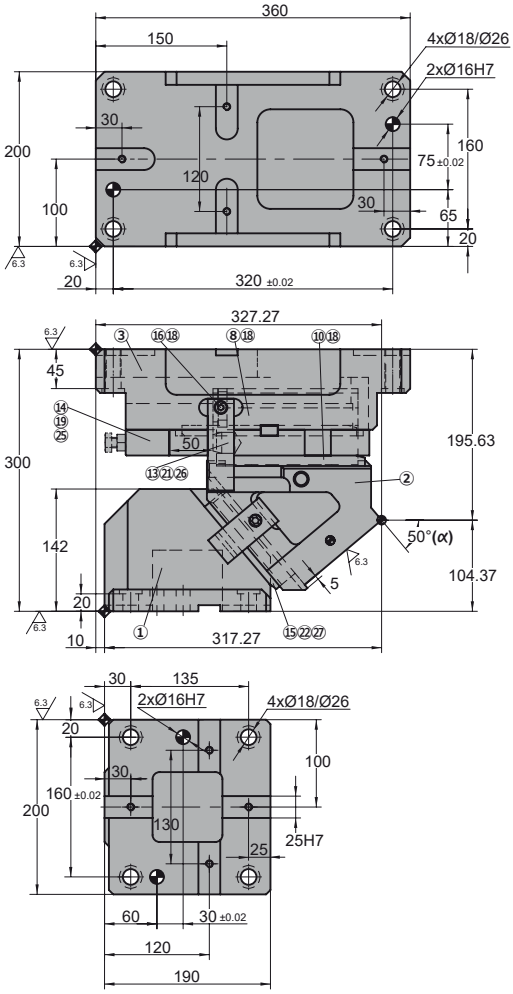
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

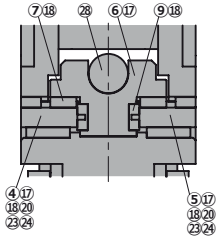
ASVX 0200

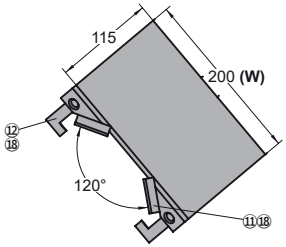
Aerial cam for pierce and flange

AZOL GAS

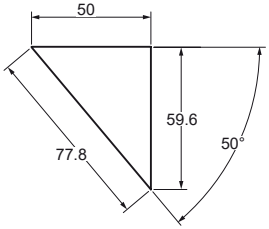
ASVX 0200 50







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	218.0 (22.2)	---	10766.2 (1098.5)	84.7	ASVX	0200	50

Order: Model (W) (α)

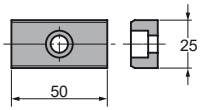
ASVX 0200 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 50-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

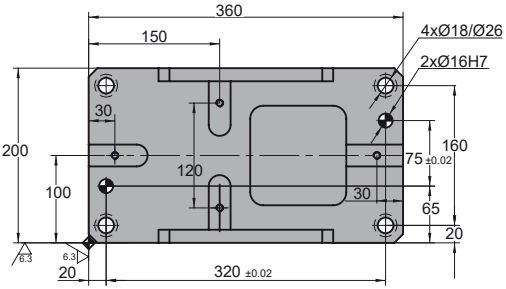
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 063

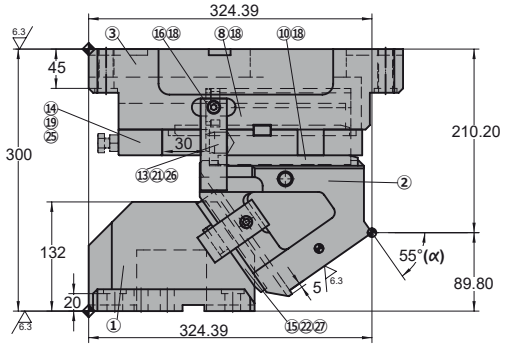
ASVX 0200

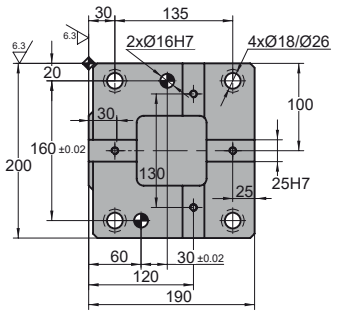
Aerial cam for pierce and flange

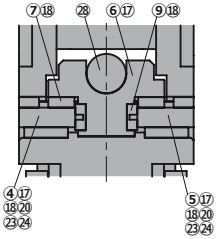
AZOL GAS

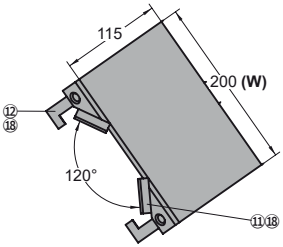
ASVX 0200 55



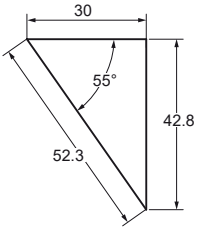








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	218.0 (22.2)	---	10766.2 (1098.5)	85.7	ASVX	0200	55

Order: Model (W) (α)

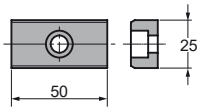
ASVX 0200 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 55-K

SPARE PARTS:

⑦ Slider Plate 1
⑨ Slider Plate 2
⑩ Slider Plate 3
⑪ Slider Plate 4
㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

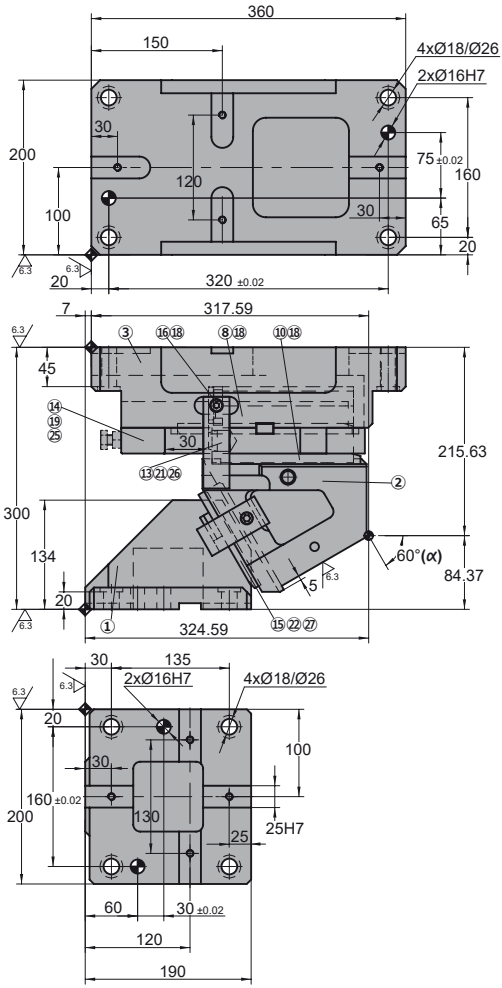
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

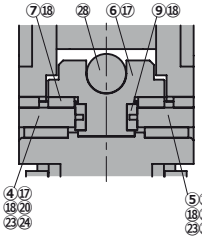
ASVX 0200

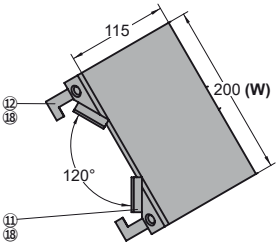
Aerial cam for pierce and flange

AZOL GAS

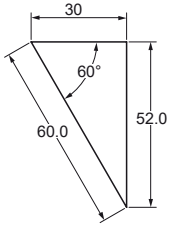
ASVX 0200 60







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	218.0 (22.2)	---	10766.2 (1098.5)	84.2	ASVX	0200	60

Order: Model (W) (α)

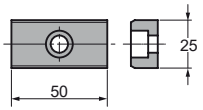
ASVX 0200 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 60-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

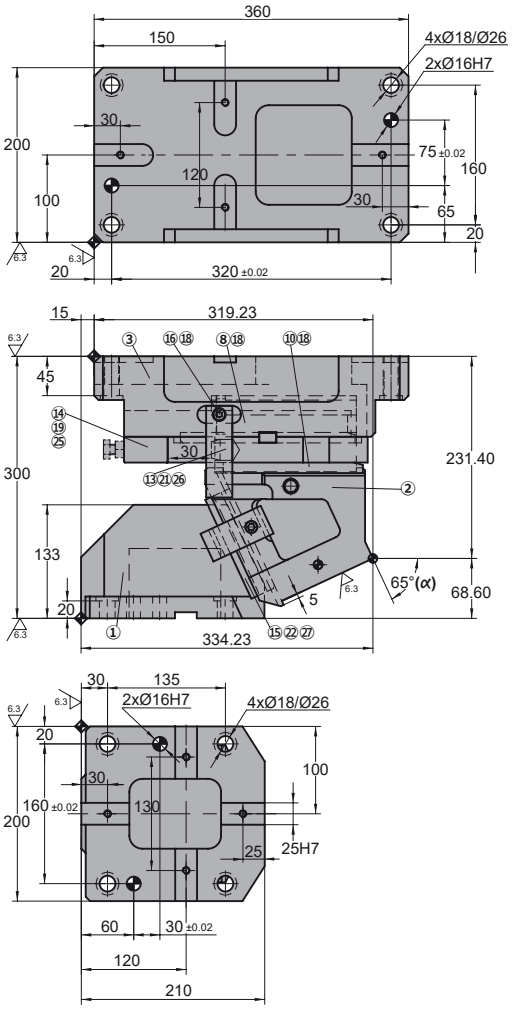
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

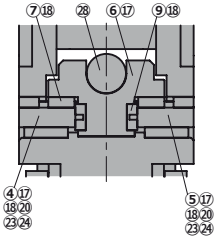
ASVX 0200

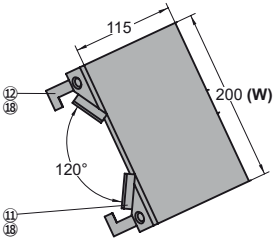
Aerial cam for pierce and flange

AZOL GAS

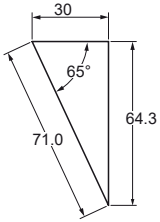
ASVX 0200 65







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
71.0	218.0 (22.2)	---	10766.2 (1098.5)	86.7	ASVX	0200	65

Order: Model (W) (α)

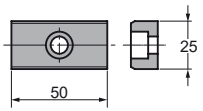
ASVX 0200 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 65-K

SPARE PARTS:

⑦ Slider Plate 1
⑨ Slider Plate 2
⑩ Slider Plate 3
⑪ Slider Plate 4
㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

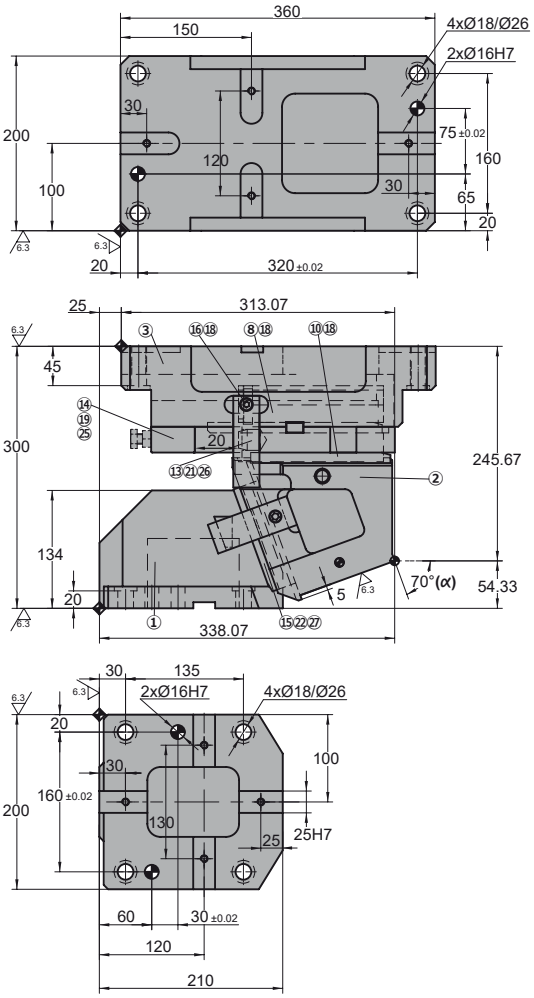
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 050

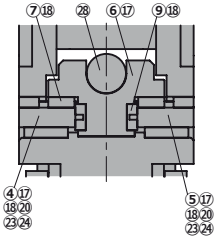
ASVX 0200

Aerial cam for pierce and flange

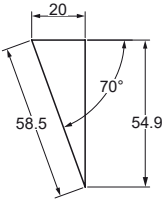
AZOL GAS

ASVX 0200 70





◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	218.0 (22.2)	---	10766.2 (1098.5)	88.8	ASVX	0200	70

Order: Model (W) (α)

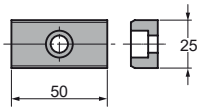
ASVX 0200 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 70-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

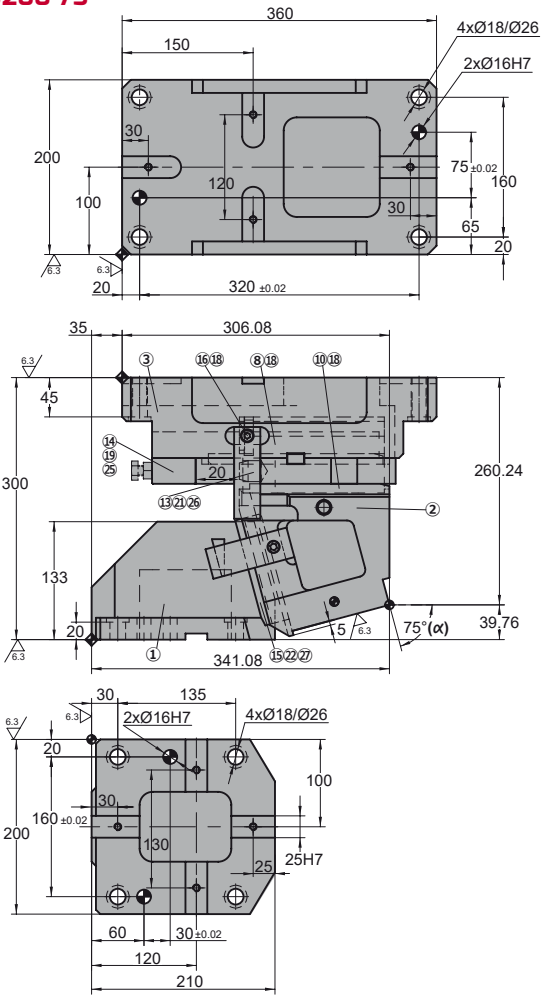
No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 038

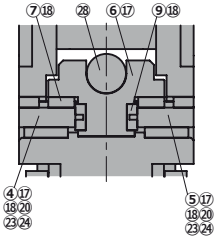
ASVX 0200

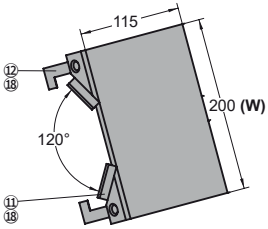
Aerial cam for pierce and flange

AZOL GAS

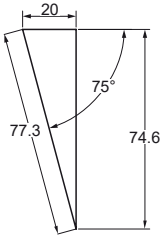
ASVX 0200 75







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0200

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.3	218.0 (22.2)	---	10766.2 (1098.5)	91.1	ASVX	0200	75

Order: Model (W) (α)

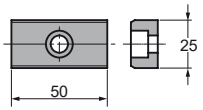
ASVX 0200 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0200 75-K

SPARE PARTS:
- ⑦ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ㉘ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Cam Slider Plate	2	CK45
⑬	Stopper Plate	1	CK45
⑭	Locking Stopper	1	CK45
⑮	Positive Return 1	1	CK45

No.	Descripción	Qty.	Material
⑯	Positive Return 2	2	CK45
⑰	Screw	6	M16 x 45
⑱	Screw	20	M8 x 20
⑲	Screw	2	M12 x 140
⑳	Screw	4	M6 x 20
㉑	Screw	2	M8 x 30
㉒	Screw	4	M10 x 35
㉓	Key	2	CK45
㉔	Key	4	CK45
㉕	Nut	2	M12
㉖	Stopper	1	Urethane
㉗	Dowel Pin	2	Ø12 x 50
㉘	Gas Spring	1	CW 750 038

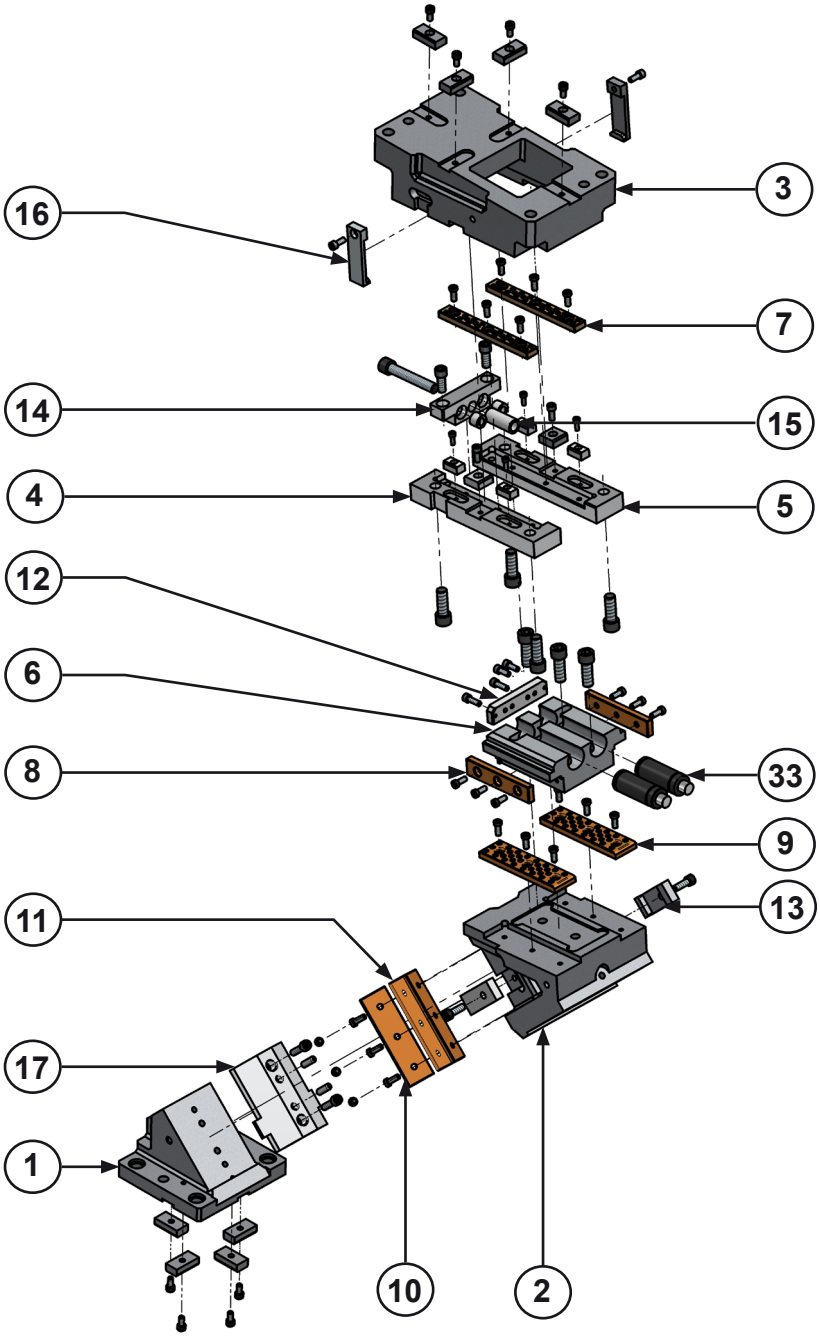
ASVX 0200

Aerial cam for pierce and flange

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

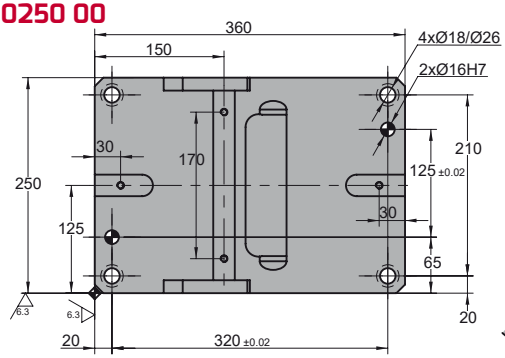


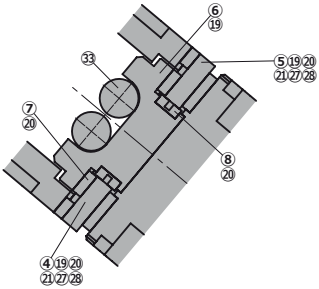
ASVX 0250

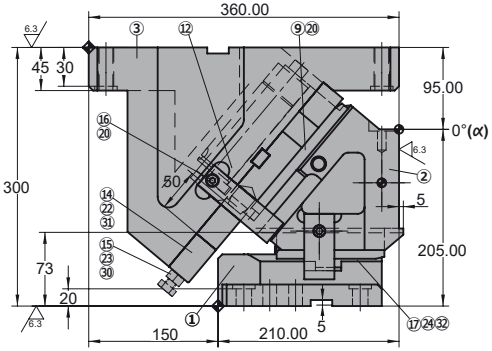
Aerial cam for pierce and flange

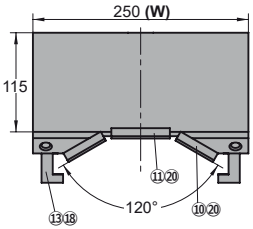
AZOL GAS

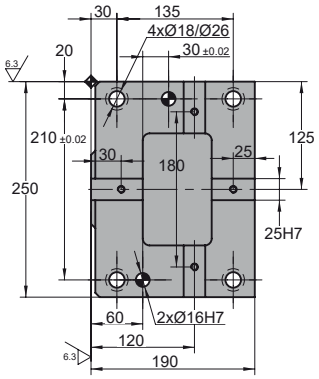
ASVX 0250 00



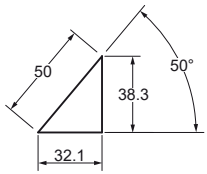








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
32.1	284.0 (28.9)	---	21532.4 (2195.6)	113.0	ASVX	0250	00

Order: Model (W) (α)

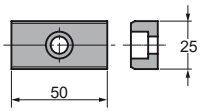
ASVX 0250 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 00-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

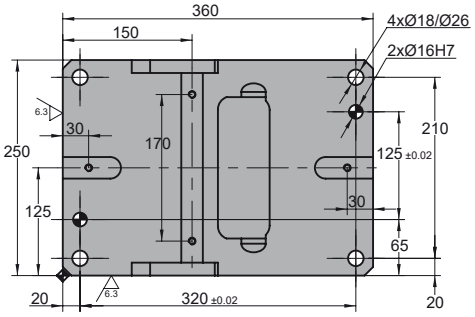
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

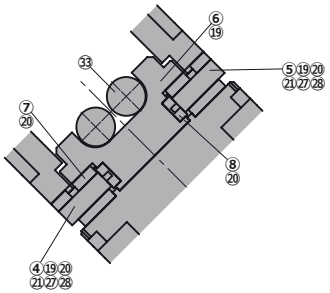
ASVX 0250

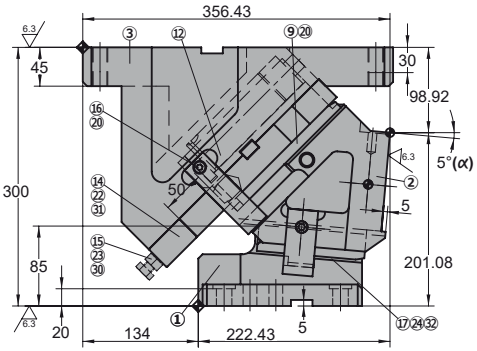
Aerial cam for pierce and flange

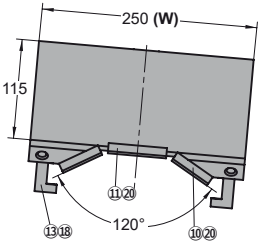
AZOL GAS

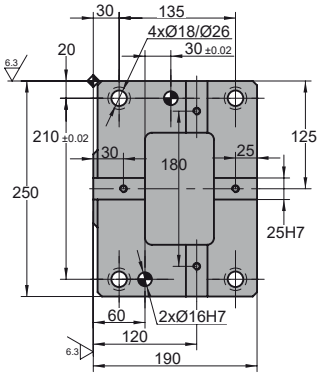
ASVX 0250 05



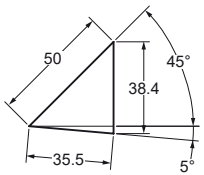








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
35.5	284.0 (28.9)	---	21532.4 (2195.6)	110.5	ASVX	0250	05

Order: Model (W) (α)

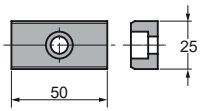
ASVX 0250 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 05-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

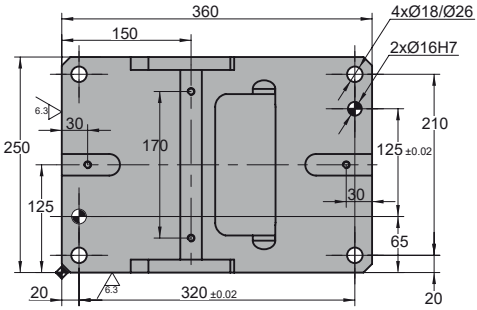
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

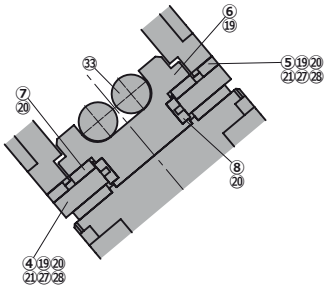
ASVX 0250

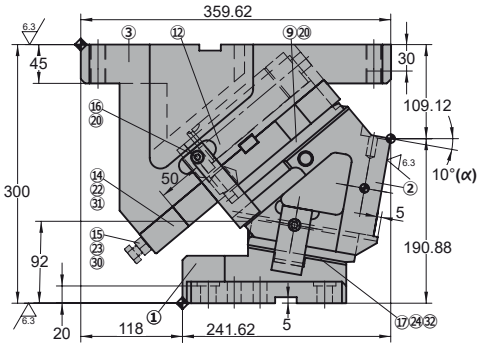
Aerial cam for pierce and flange

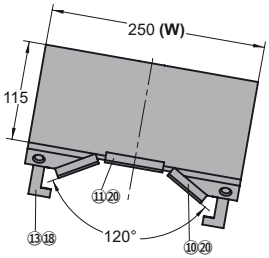
AZOL GAS

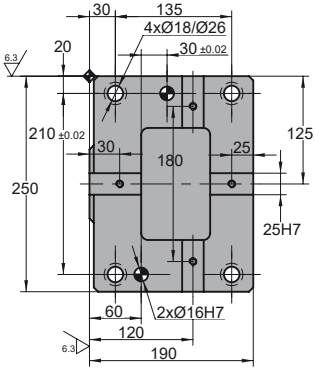
ASVX 0250 10



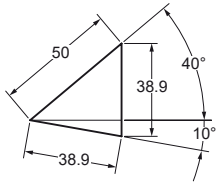








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.9	284.0 (28.9)	---	21532.4 (2195.6)	109.6	ASVX	0250	10

Order: Model (W) (α)

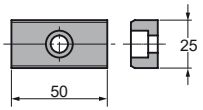
ASVX 0250 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 10-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

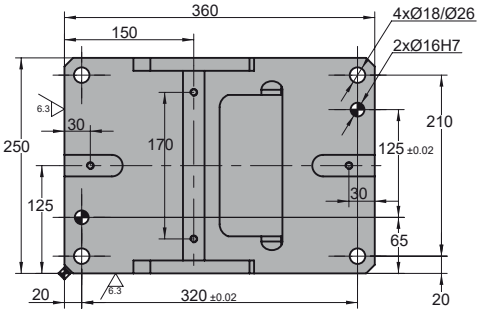
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

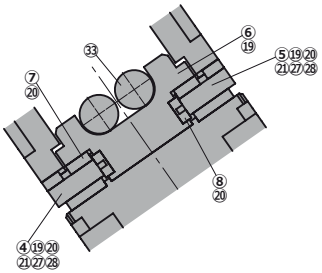
ASVX 0250

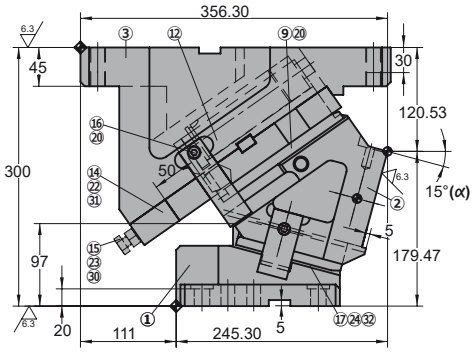
Aerial cam for pierce and flange

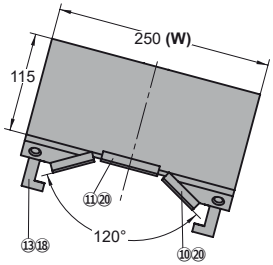
AZOL GAS

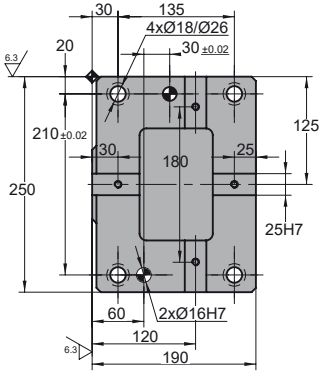
ASVX 0250 15



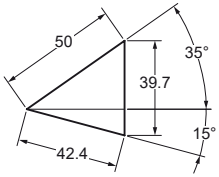








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.4	284.0 (28.9)	---	21532.4 (2195.6)	108.4	ASVX	0250	15

Order: Model (W) (α)

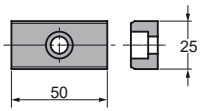
ASVX 0250 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 15-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

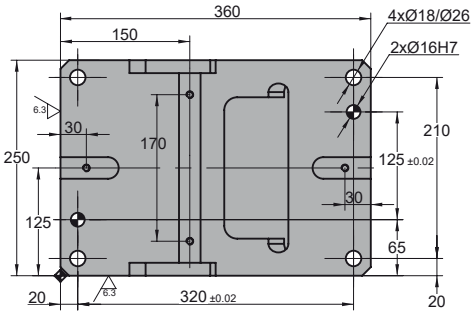
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

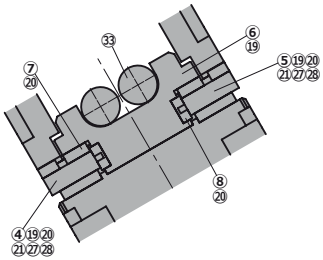
ASVX 0250

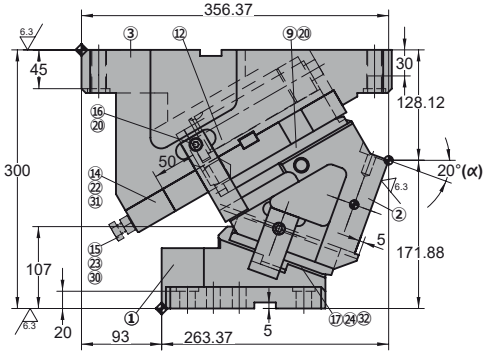
Aerial cam for pierce and flange

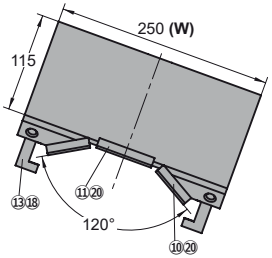
AZOL GAS

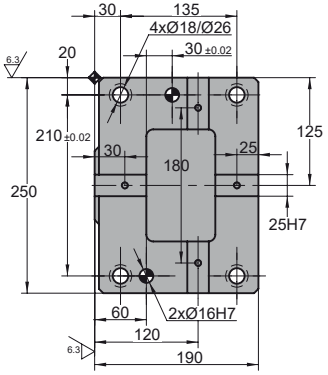
ASVX 0250 20



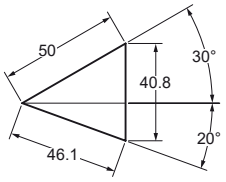








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.1	284.0 (28.9)	---	21532.4 (2195.6)	107.1	ASVX	0250	20

Order: Model (W) (α)

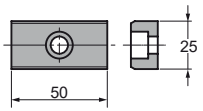
ASVX 0250 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 20-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

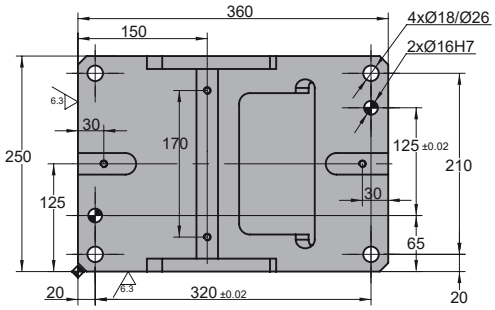
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

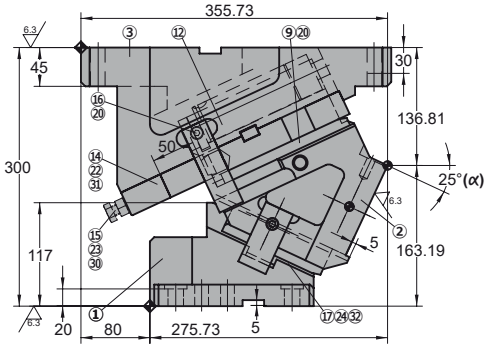
ASVX 0250

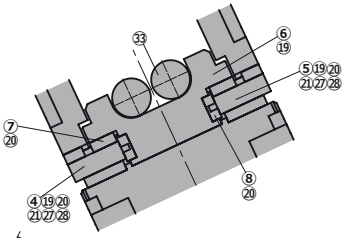
Aerial cam for pierce and flange

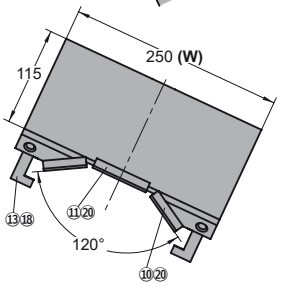
AZOL GAS

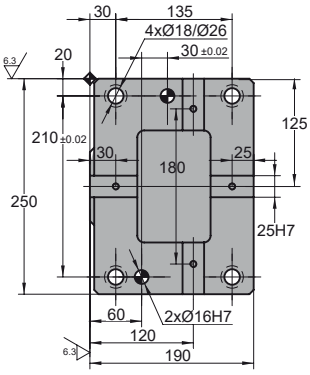
ASVX 0250 25



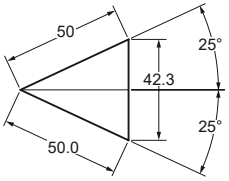








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.0	284.0 (28.9)	---	21532.4 (2195.6)	106.0	ASVX	0250	25

Order: Model (W) (α)

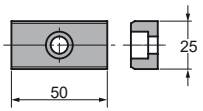
ASVX 0250 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 25-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

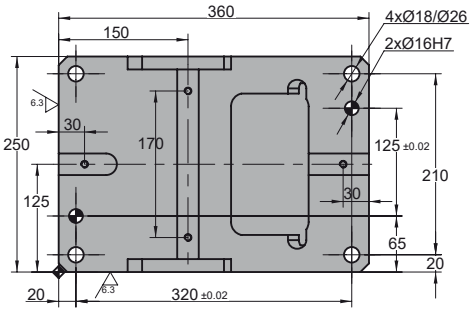
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

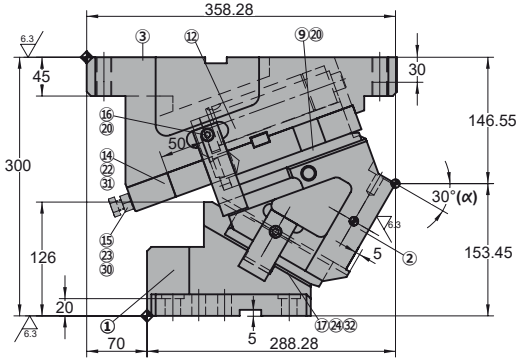
ASVX 0250

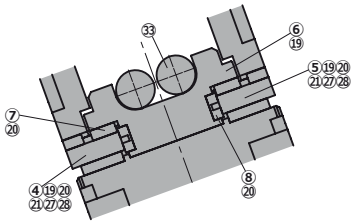
Aerial cam for pierce and flange

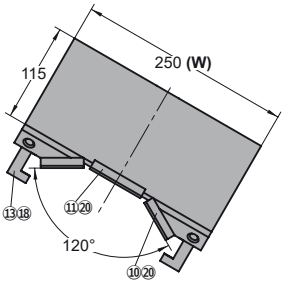
AZOL GAS

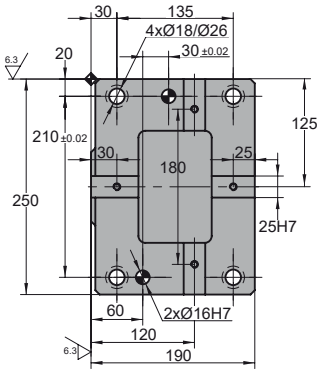
ASVX 0250 30



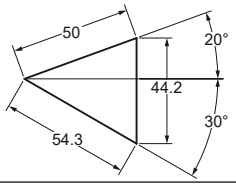








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
54.3	284.0 (28.9)	---	21532.4 (2195.6)	105.8	ASVX	0250	30

Order: Model (W) (α)

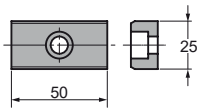
ASVX 0250 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 30-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

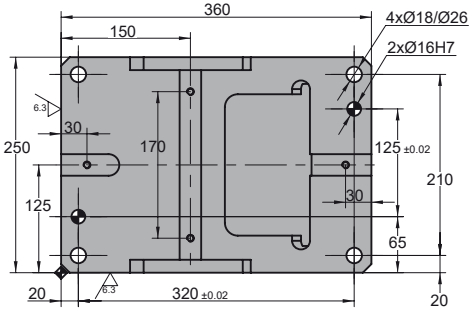
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

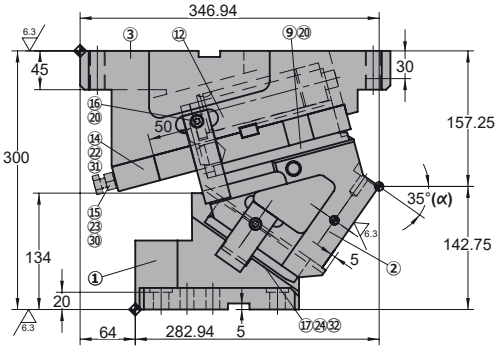
ASVX 0250

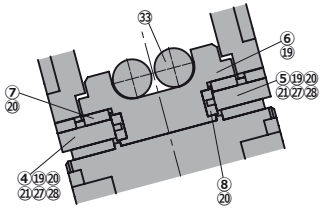
Aerial cam for pierce and flange

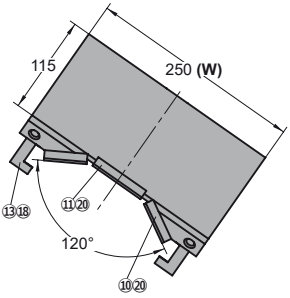
AZOL GAS

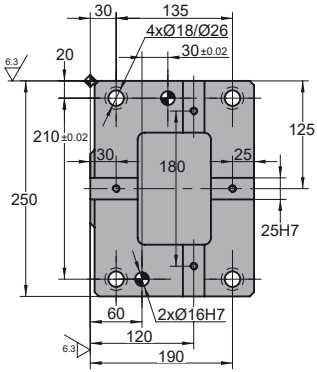
ASVX 0250 35



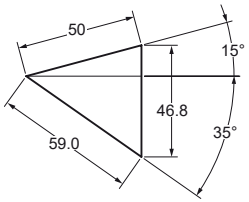








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
59.0	284.0 (28.9)	---	21532.4 (2195.6)	107.0	ASVX	0250	35

Order: Model (W) (α)

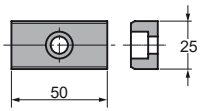
ASVX 0250 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 35-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

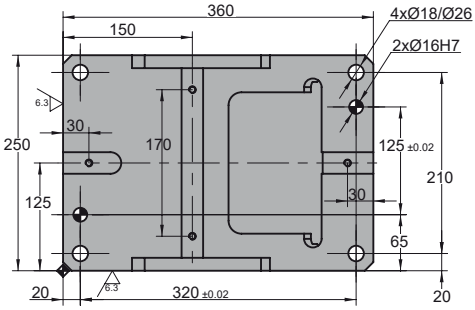
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

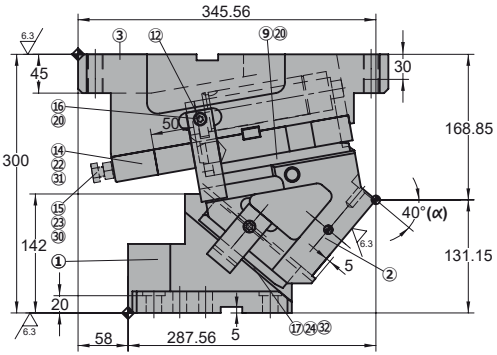
ASVX 0250

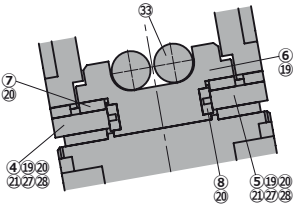
Aerial cam for pierce and flange

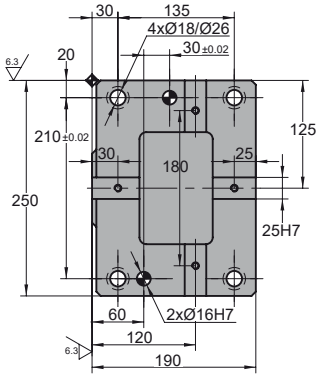
AZOL GAS

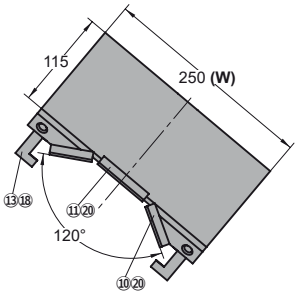
ASVX 0250 40



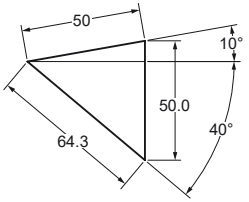








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
64.3	284.0 (28.9)	---	21532.4 (2195.6)	108.2	ASVX	0250	40

Order: Model (W) (α)

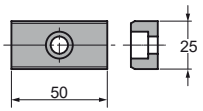
ASVX 0250 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 40-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

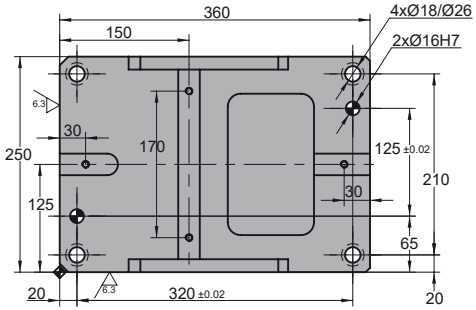
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

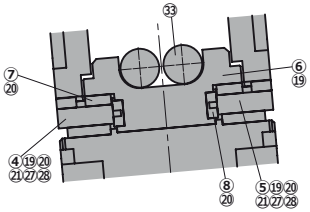
ASVX 0250

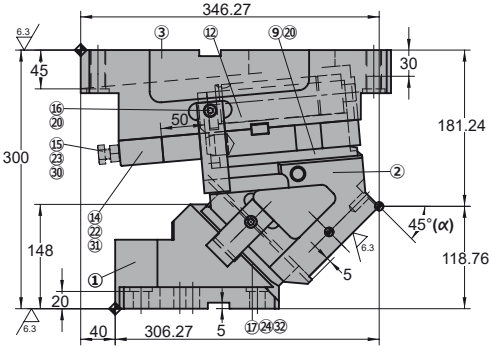
Aerial cam for pierce and flange

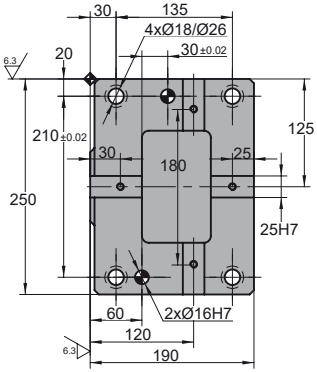
AZOL GAS

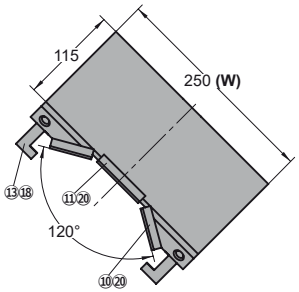
ASVX 0250 45



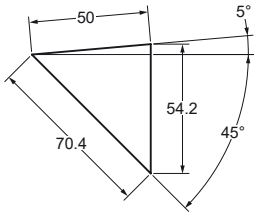








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.4	284.0 (28.9)	---	21532.4 (2195.6)	108.5	ASVX	0250	45

Order: Model (W) (α)

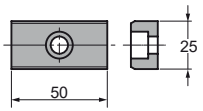
ASVX 0250 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 45-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

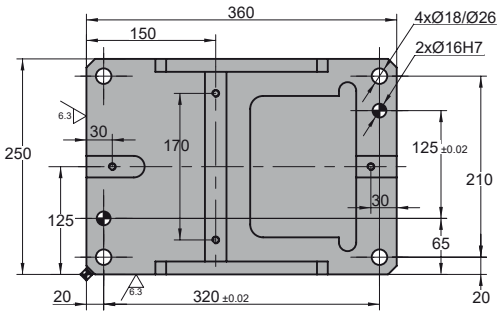
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

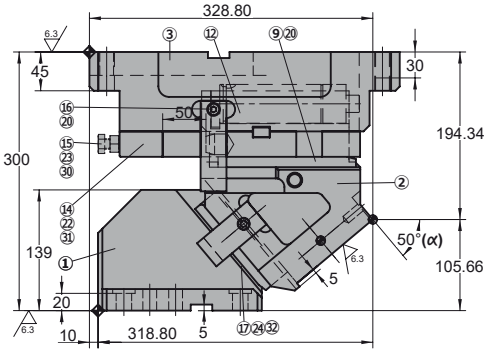
ASVX 0250

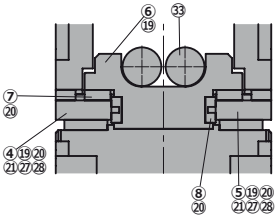
Aerial cam for pierce and flange

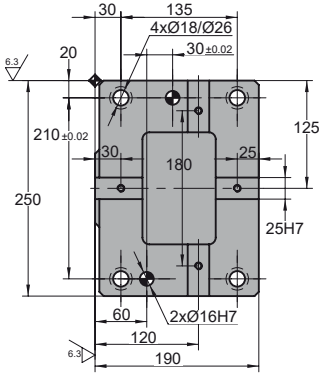
AZOL GAS

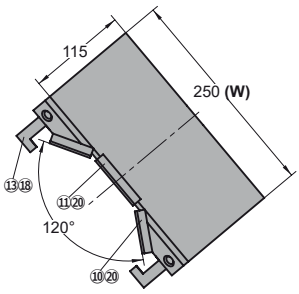
ASVX 0250 50



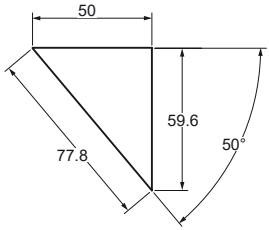








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.8	284.0 (28.9)	---	21532.4 (2195.6)	107.4	ASVX	0250	50

Order: Model (W) (α)

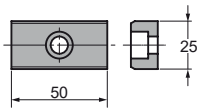
ASVX 0250 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 50-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

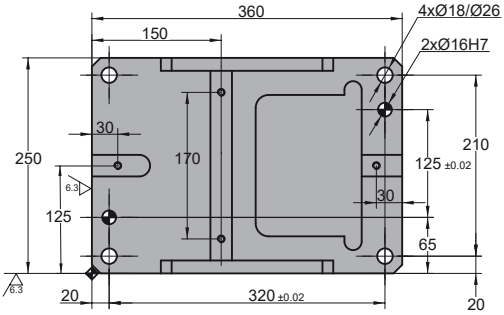
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 063

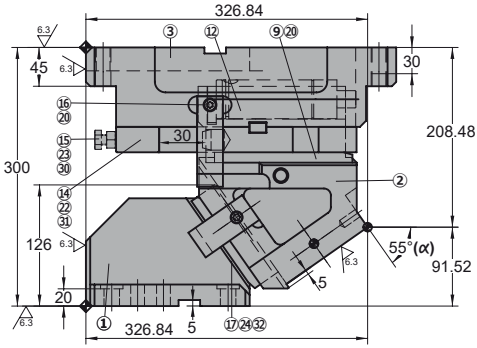
ASVX 0250

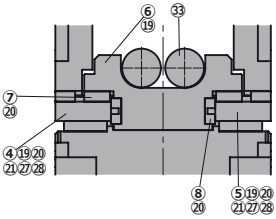
Aerial cam for pierce and flange

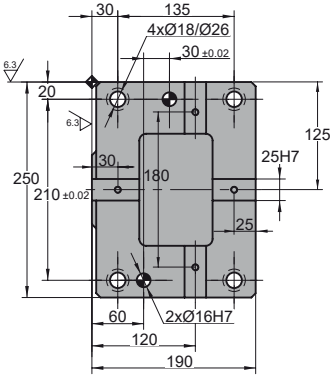
AZOL GAS

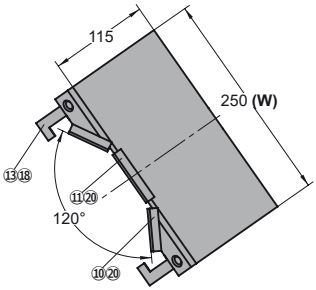
ASVX 0250 55



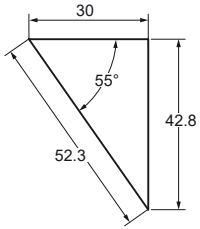








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
52.3	284.0 (28.9)	---	19340.6 (1970.0)	106.3	ASVX	0250	55

Order: Model (W) (α)

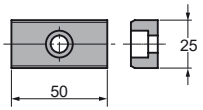
ASVX 0250 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 55-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

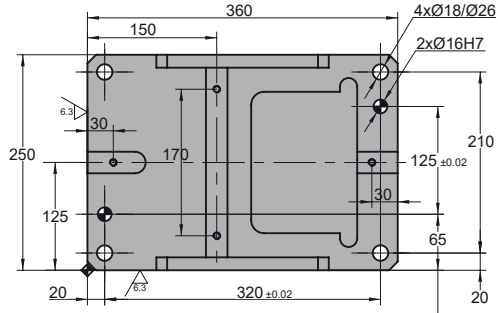
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

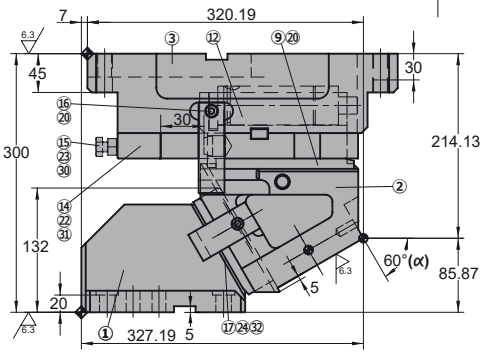
ASVX 0250

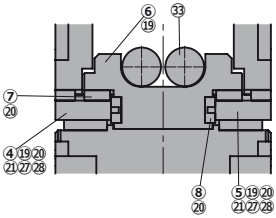
Aerial cam for pierce and flange

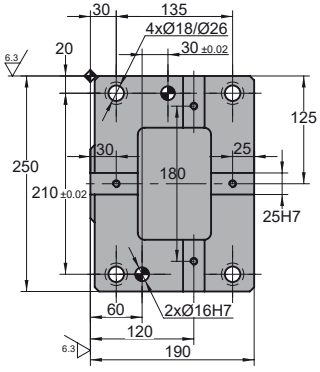
AZOL GAS

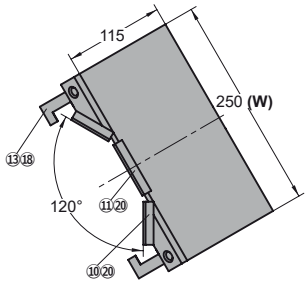
ASVX 0250 60



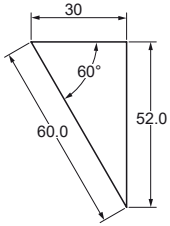








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	284.0 (28.9)	---	19340.6 (1970.0)	106.4	ASVX	0250	60

Order: Model (W) (α)

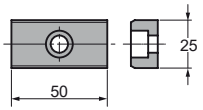
ASVX 0250 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 60-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

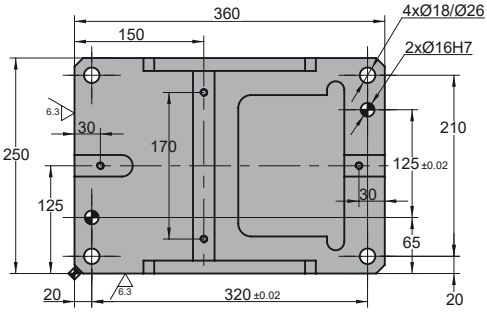
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

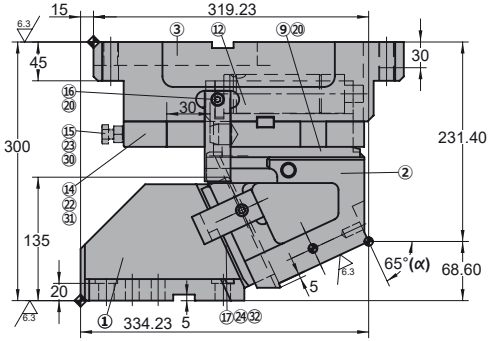
ASVX 0250

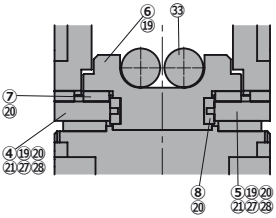
Aerial cam for pierce and flange

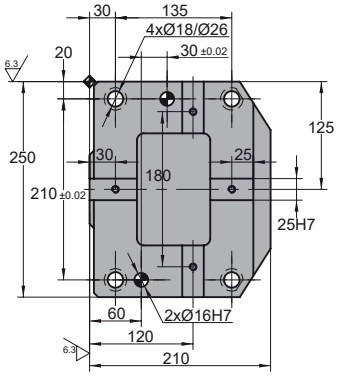
AZOL GAS

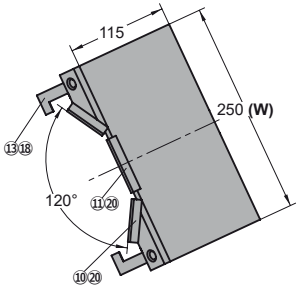
ASVX 0250 65



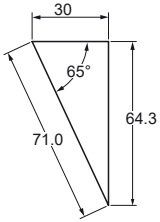








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
71.0	284.0 (28.9)	---	19340.6 (1970.0)	109.4	ASVX	0250	65

Order: Model (W) (α)

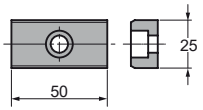
ASVX 0250 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 65-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

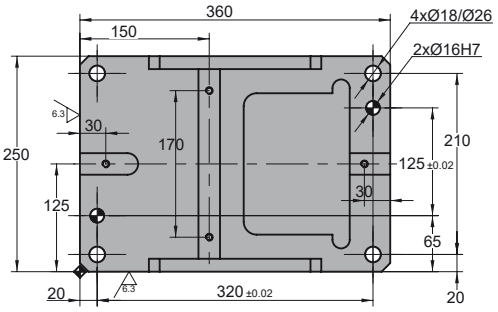
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 050

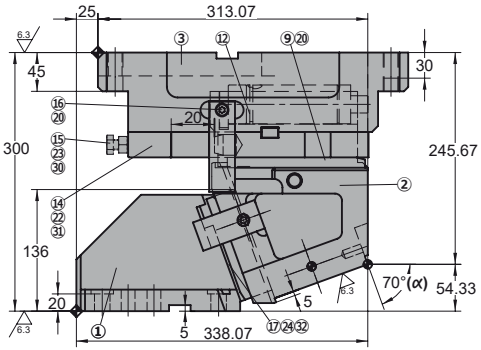
ASVX 0250

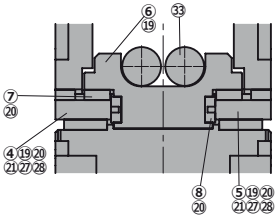
Aerial cam for pierce and flange

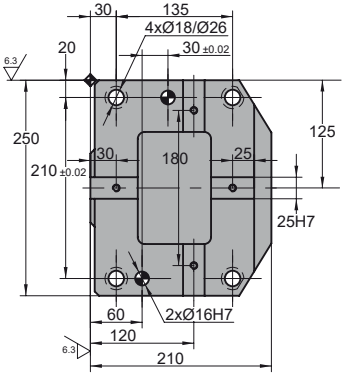
AZOL GAS

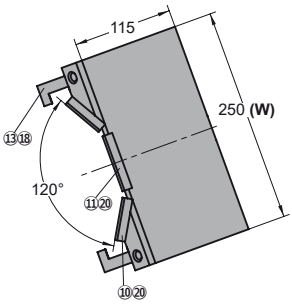
ASVX 0250 70



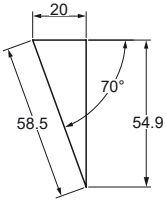








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
58.5	284.0 (28.9)	---	18587.2 (1895.2)	112.5	ASVX	0250	70

Order: Model (W) (α)

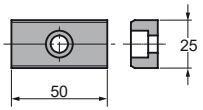
ASVX 0250 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 70-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

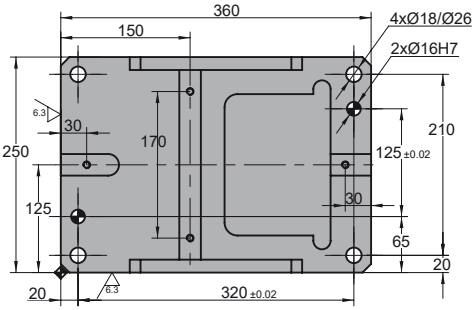
No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 038

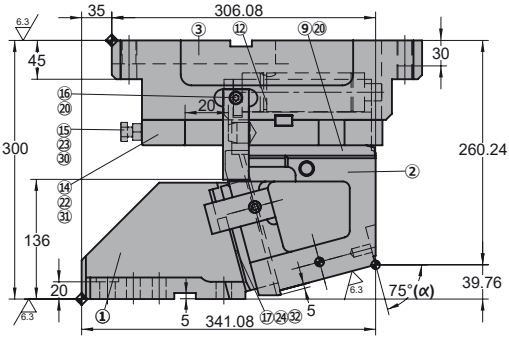
ASVX 0250

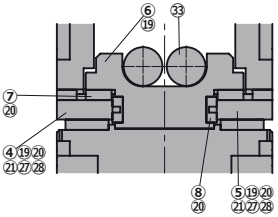
Aerial cam for pierce and flange

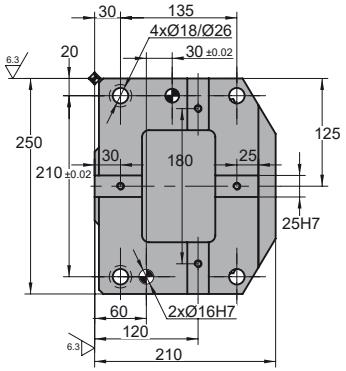
AZOL GAS

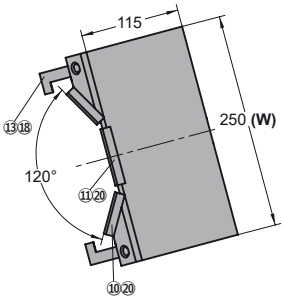
ASVX 0250 75



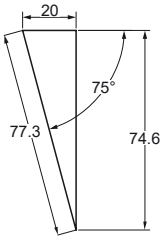








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0250

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.3	284.0 (28.9)	---	18587.2 (1895.2)	115.5	ASVX	0250	75

Order: Model (W) (α)

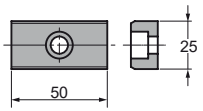
ASVX 0250 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0250 75-K

SPARE PARTS:

- ⑦ Slider Plate 1
- ⑧ Slider Plate 2
- ⑨ Slider Plate 3
- ⑩ Slider Plate 4
- ⑪ Slider Plate 5
- ㉝ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Side Guide 2	1	CK45
⑥	Spring Guide	1	CK45
⑦	Slider Plate 1	2	Bronze + G
⑧	Slider Plate 2	2	Bronze + G
⑨	Slider Plate 3	2	Bronze + G
⑩	Slider Plate 4	2	Bronze + G
⑪	Slider Plate 5	1	Bronze + G
⑫	Spring Guide Plate	1	CK45
⑬	Positive Return 1	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Locking Stopper	1	CK45
⑯	Positive Return 2	2	CK45
⑰	Lower Slider	1	CK45

No.	Descripción	Qty.	Material
⑱	Screw	2	M10 x 30
⑲	Screw	8	M16 x 45
⑳	Screw	22	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	2	M8 x 25
㉓	Screw	1	M16 x 140
㉔	Screw	4	M10 x 35
㉕	Screw	2	M8 x 50
㉖	Screw	8	M8 x 15
㉗	Key	4	CK45
㉘	Key	2	CK45
㉙	Key	8	CK45
㉚	Nut	1	M16
㉛	Stopper	2	Urethane
㉜	Dowel Pin	2	Ø12 x 40
㉝	Gas Spring	2	CW 750 038

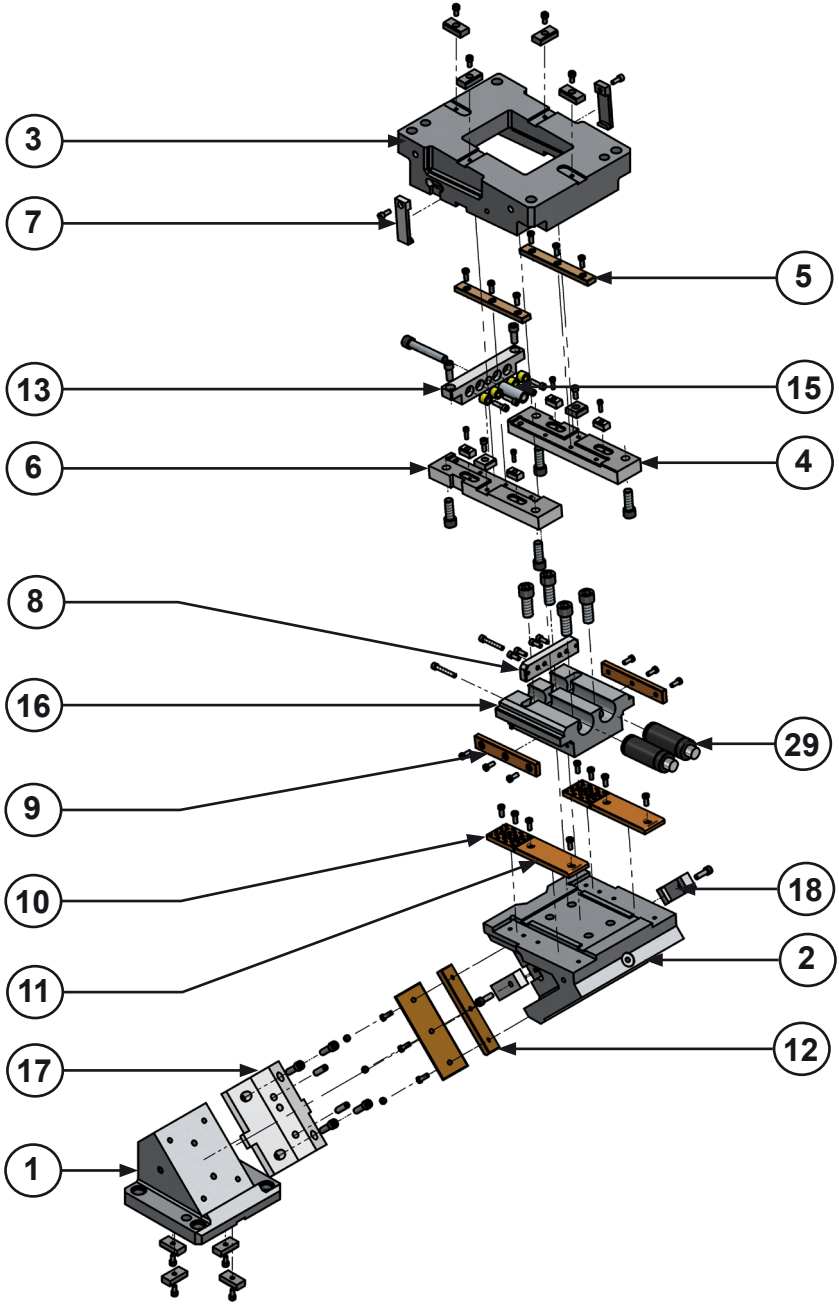
ASVX 0250

Aerial cam for pierce and flange

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

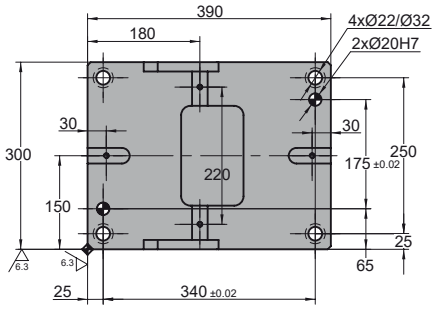


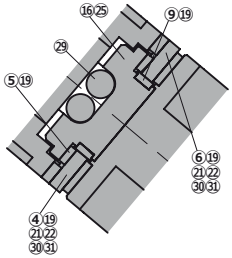
ASVX 0300

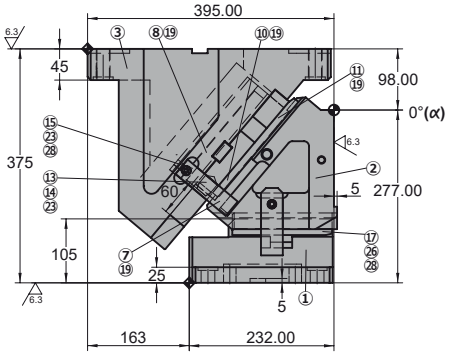
Aerial cam for pierce and flange

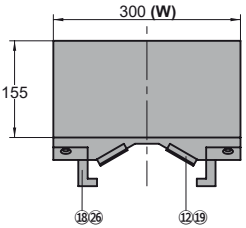
AZOL GAS

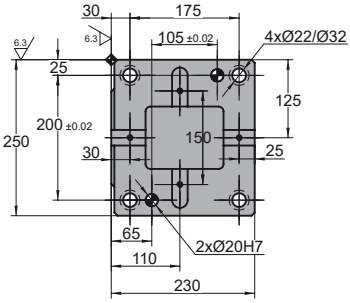
ASVX 0300 00



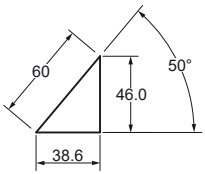








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	364.0 (37.1)	---	21057.4 (2148.7)	167.1	ASVX	0300	00

Order: Model (W) (α)

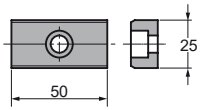
ASVX 0300 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 00-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

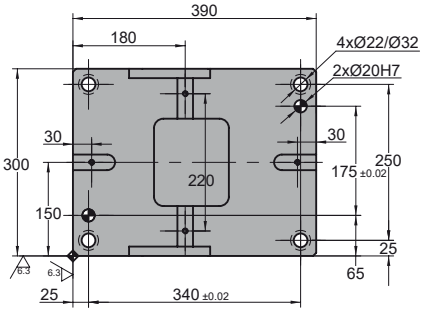
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

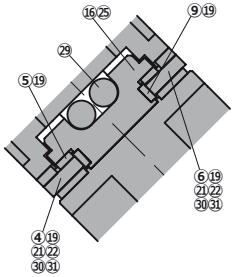
ASVX 0300

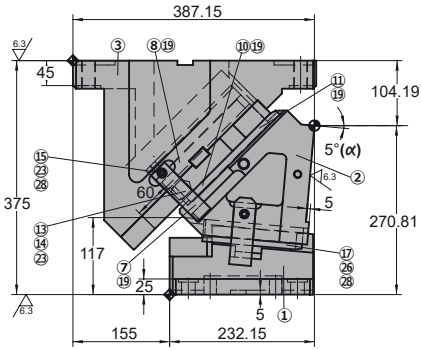
Aerial cam for pierce and flange

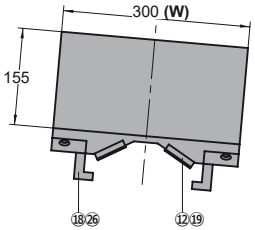
AZOL GAS

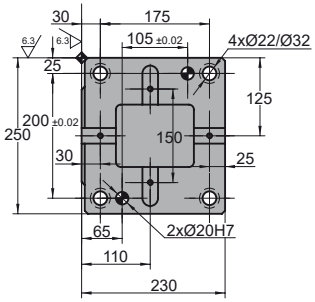
ASVX 0300 05



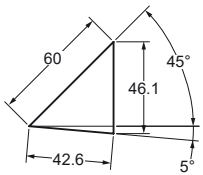








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	364.0 (37.1)	---	21057.4 (2148.7)	163.8	ASVX	0300	05

Order: Model (W) (α)

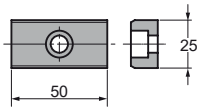
ASVX 0300 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 05-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

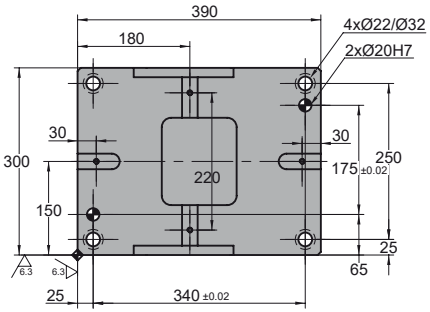
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

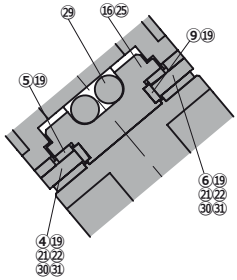
ASVX 0300

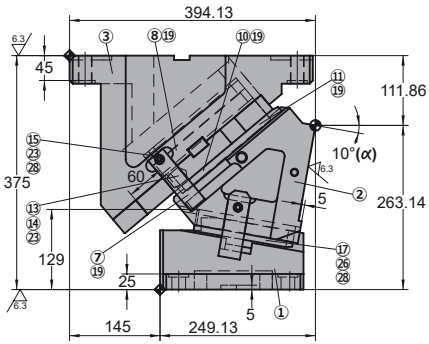
Aerial cam for pierce and flange

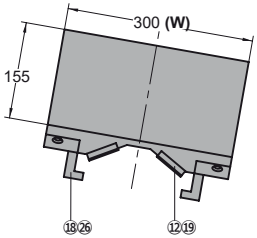
AZOL GAS

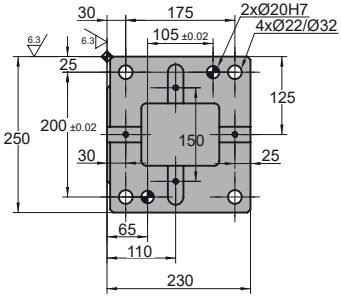
ASVX 0300 10



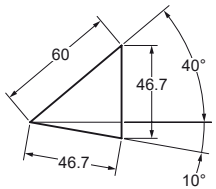








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	364.0 (37.1)	---	21057.4 (2148.7)	161.9	ASVX	0300	10

Order: Model (W) (α)

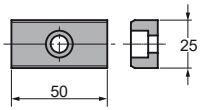
ASVX 0300 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 10-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

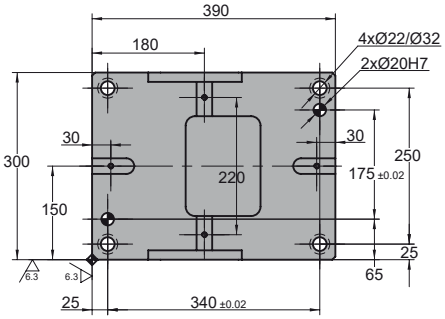
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

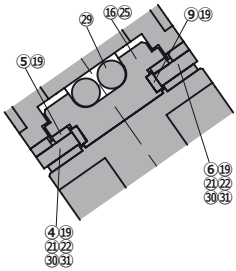
ASVX 0300

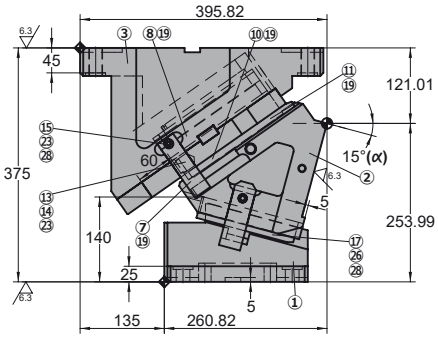
Aerial cam for pierce and flange

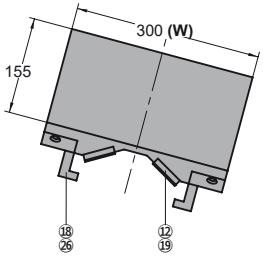
AZOL GAS

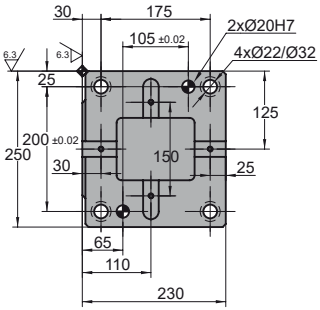
ASVX 0300 15



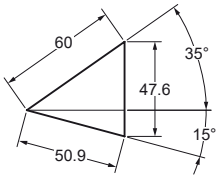








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	364.0 (37.1)	---	21057.4 (2148.7)	160.1	ASVX	0300	15

Order: Model (W) (α)

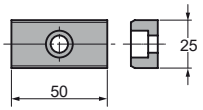
ASVX 0300 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 15-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

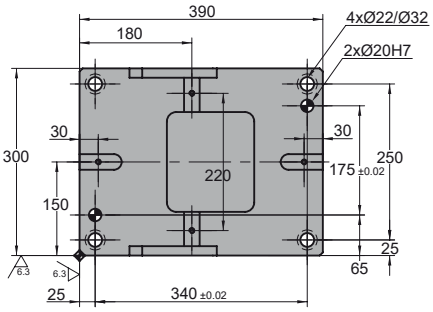
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

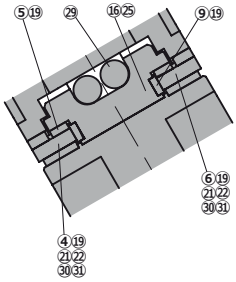
ASVX 0300

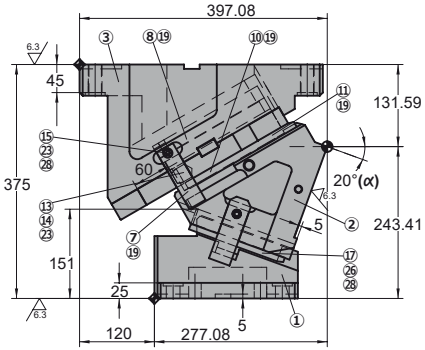
Aerial cam for pierce and flange

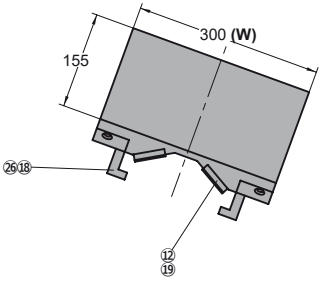
AZOL GAS

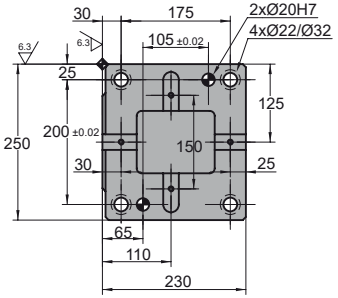
ASVX 0300 20



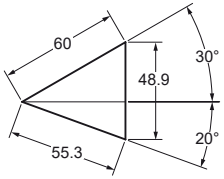








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	364.0 (37.1)	---	21057.4 (2148.7)	157.1	ASVX	0300	20

Order: Model (W) (α)

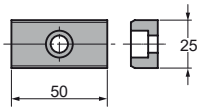
ASVX 0300 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 20-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

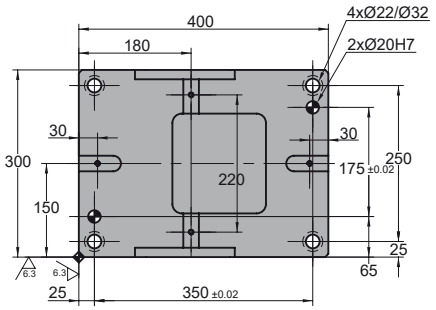
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

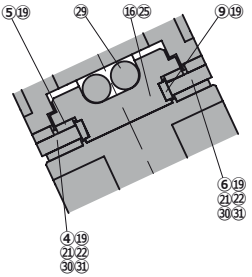
ASVX 0300

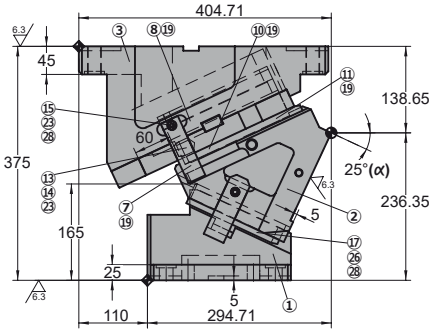
Aerial cam for pierce and flange

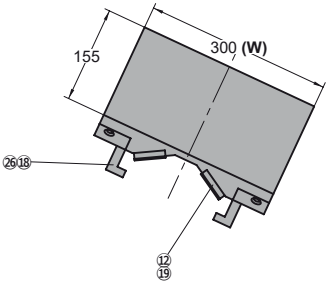
AZOL GAS

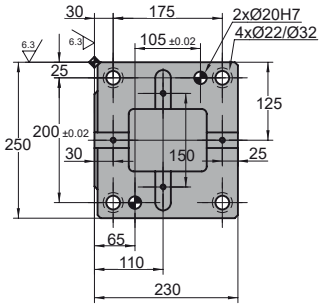
ASVX 0300 25



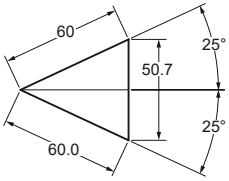








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	364.0 (37.1)	---	21057.4 (2148.7)	158.6	ASVX	0300	25

Order: Model (W) (α)

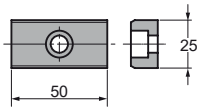
ASVX 0300 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 25-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

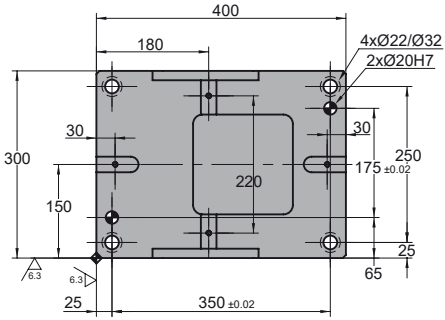
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

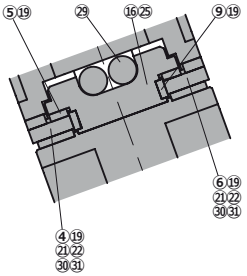
ASVX 0300

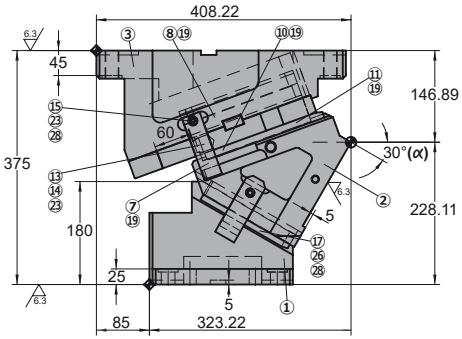
Aerial cam for pierce and flange

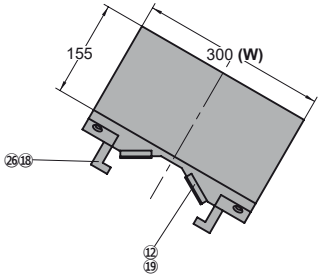
AZOL GAS

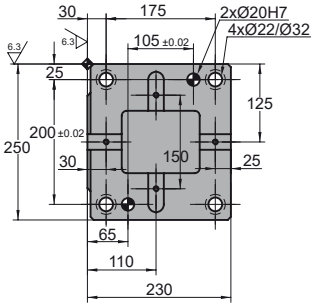
ASVX 0300 30



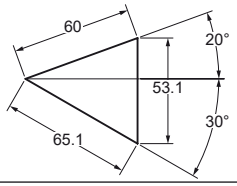








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	364.0 (37.1)	---	21057.4 (2148.7)	157.1	ASVX	0300	30

Order: Model (W) (α)

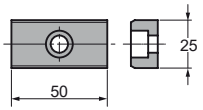
ASVX 0300 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 30-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

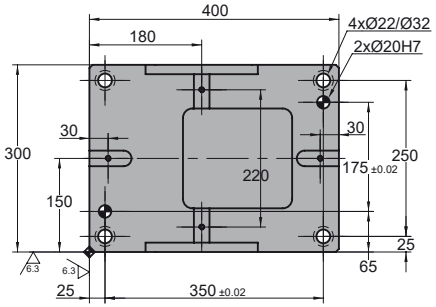
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

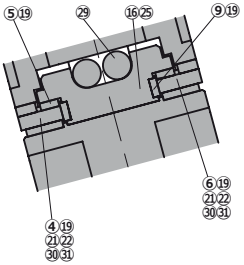
ASVX 0300

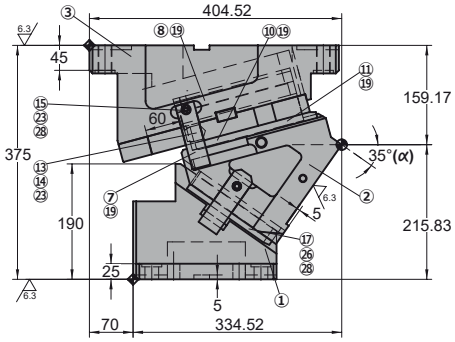
Aerial cam for pierce and flange

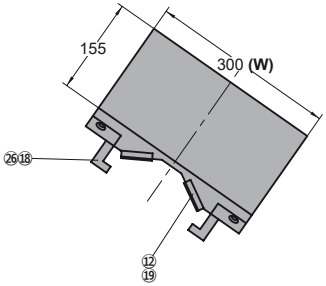
AZOL GAS

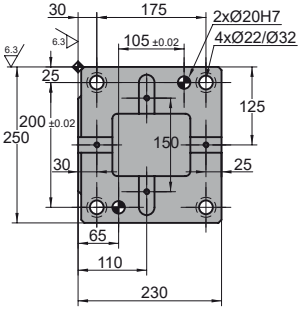
ASVX 0300 35



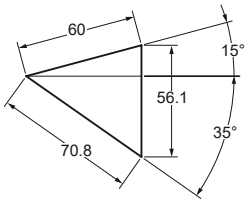








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	364.0 (37.1)	---	21057.4 (2148.7)	158.1	ASVX	0300	35

Order: Model (W) (α)

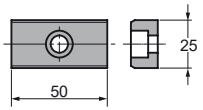
ASVX 0300 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 35-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

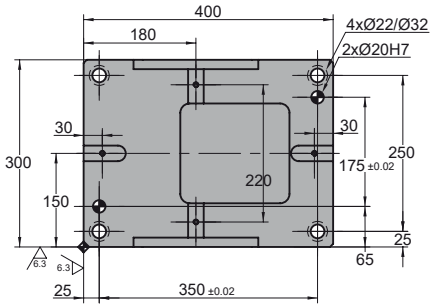
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

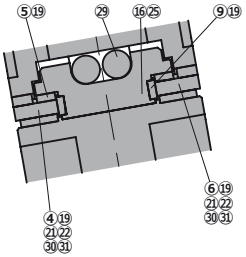
ASVX 0300

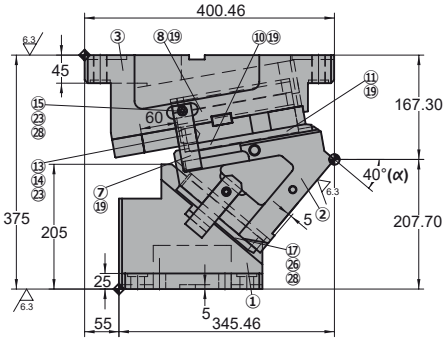
Aerial cam for pierce and flange

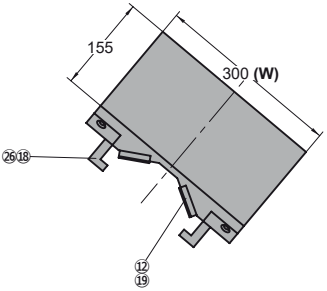
AZOL GAS

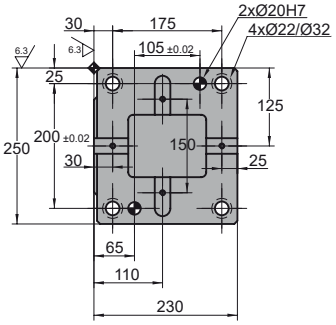
ASVX 0300 40



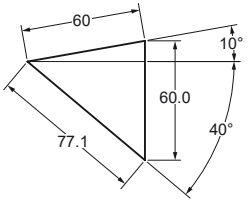








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	364.0 (37.1)	---	21057.4 (2148.7)	159.4	ASVX	0300	40

Order: Model (W) (α)

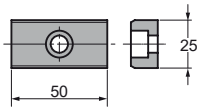
ASVX 0300 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 40-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

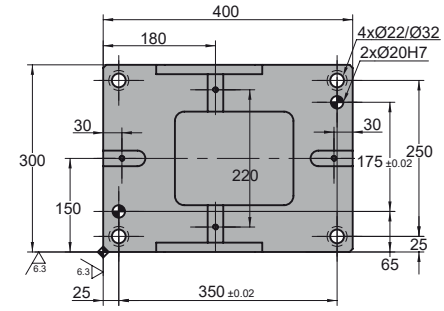
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

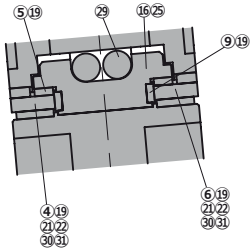
ASVX 0300

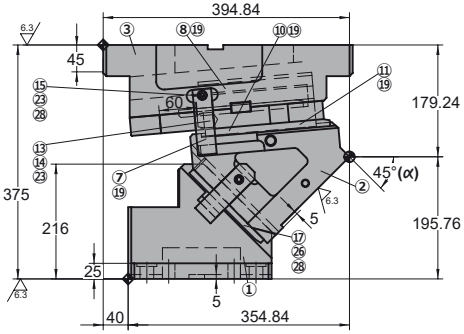
Aerial cam for pierce and flange

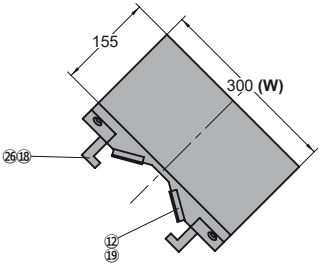
AZOL GAS

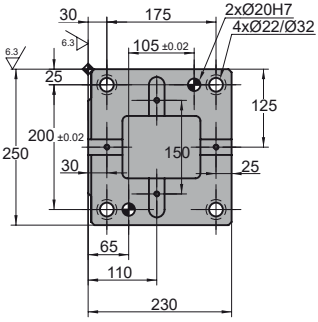
ASVX 0300 45



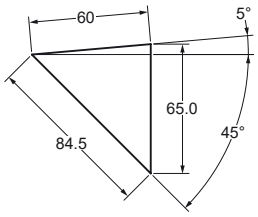








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	364.0 (37.1)	---	21057.4 (2148.7)	159.0	ASVX	0300	45

Order: Model (W) (α)

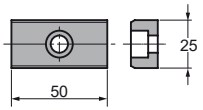
ASVX 0300 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 45-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

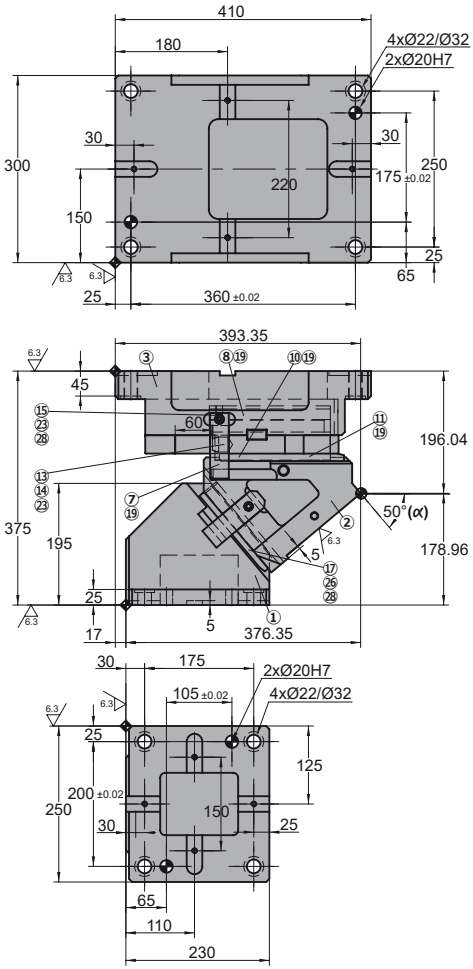
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

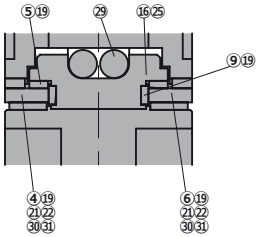
ASVX 0300

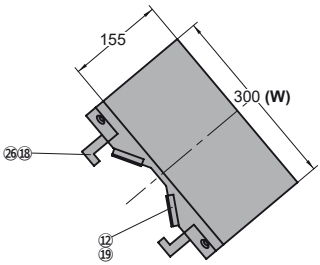
Aerial cam for pierce and flange

AZOL GAS

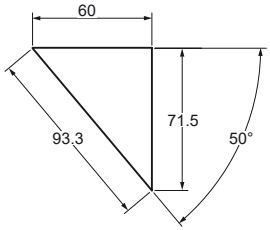
ASVX 0300 50







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	364.0 (37.1)	---	21057.4 (2148.7)	157.7	ASVX	0300	50

Order: Model (W) (α)

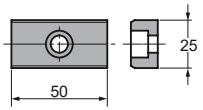
ASVX 0300 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 50-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

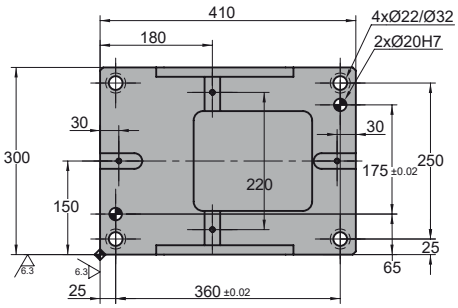
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

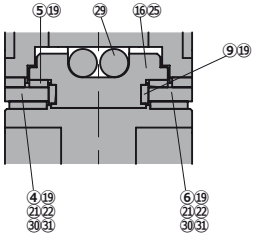
ASVX 0300

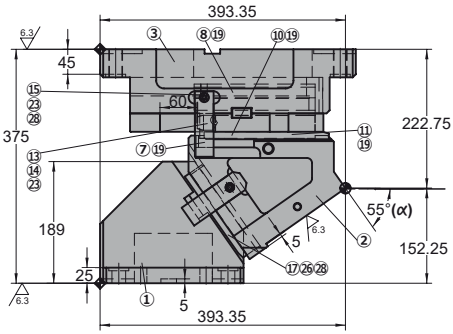
Aerial cam for pierce and flange

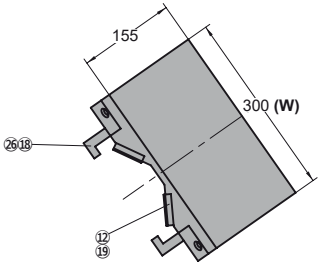
AZOL GAS

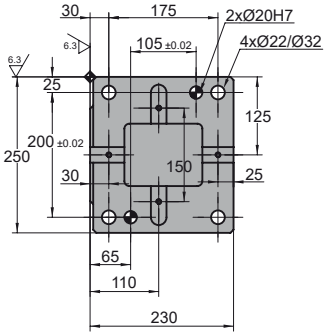
ASVX 0300 55



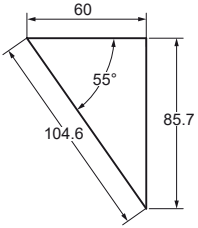








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	364.0 (37.1)	---	21057.4 (2148.7)	162.3	ASVX	0300	55

Order: Model (W) (α)

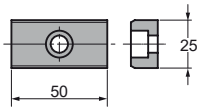
ASVX 0300 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 55-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

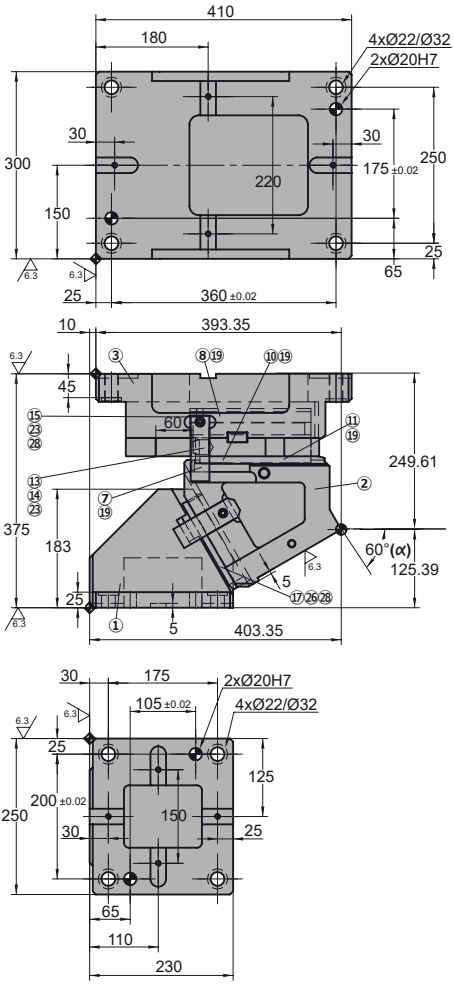
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

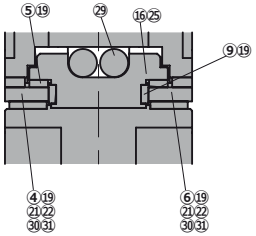
ASVX 0300

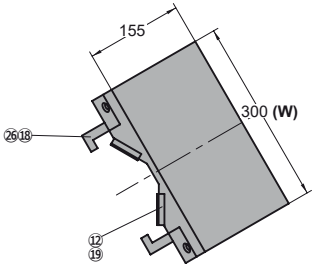
Aerial cam for pierce and flange

AZOL GAS

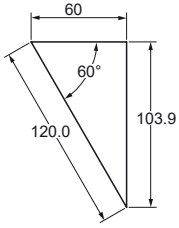
ASVX 0300 60







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	364.0 (37.1)	---	21057.4 (2148.7)	166.9	ASVX	0300	60

Order: Model (W) (α)

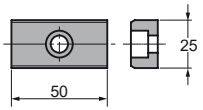
ASVX 0300 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 60-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

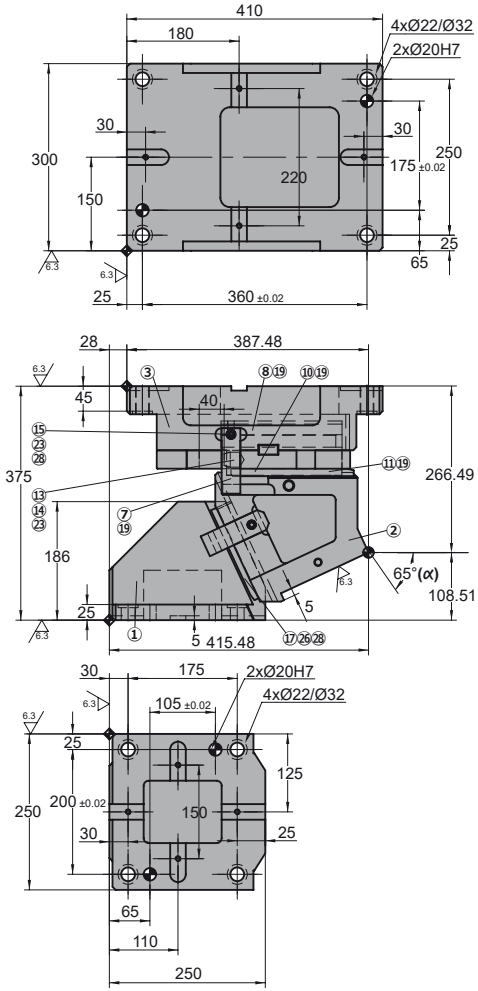
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 080
㉚	Key	4	CK45
㉛	Key	2	CK45

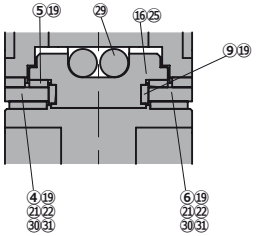
ASVX 0300

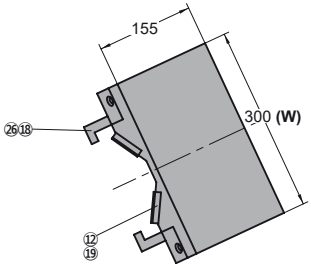
Aerial cam for pierce and flange

AZOL GAS

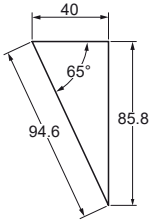
ASVX 0300 65







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
94.6	364.0 (37.1)	---	19737.0 (2014.0)	171.7	ASVX	0300	65

Order: Model (W) (α)

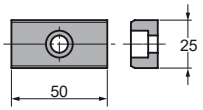
ASVX 0300 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 65-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

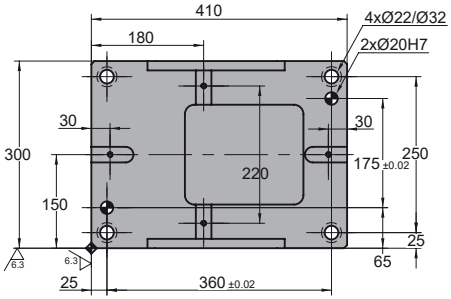
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 063
㉚	Key	4	CK45
㉛	Key	2	CK45

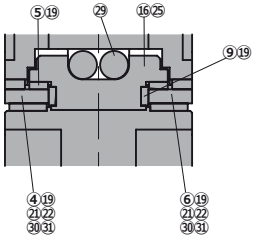
ASVX 0300

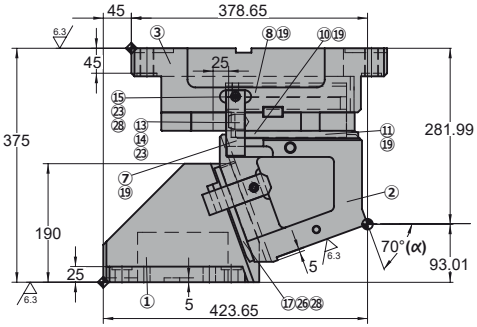
Aerial cam for pierce and flange

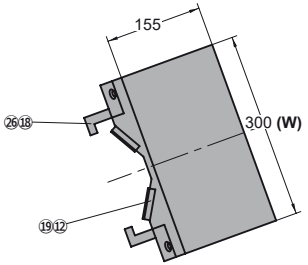
AZOL GAS

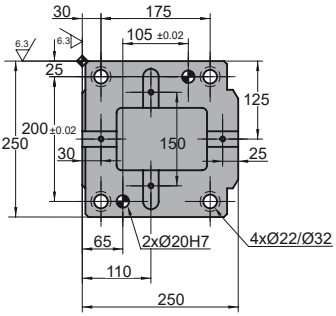
ASVX 0300 70



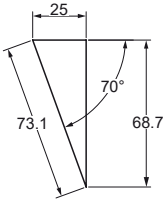








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
73.1	364.0 (37.1)	---	18399.3 (1877.4)	176.8	ASVX	0300	70

Order: Model (W) (α)

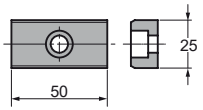
ASVX 0300 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 70-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

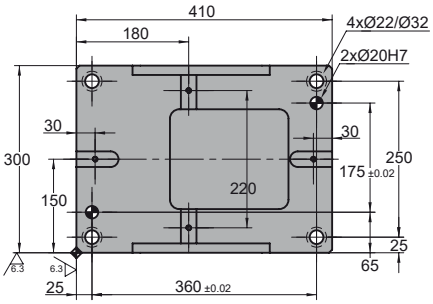
No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 050
㉚	Key	4	CK45
㉛	Key	2	CK45

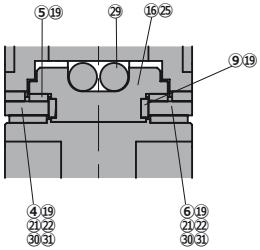
ASVX 0300

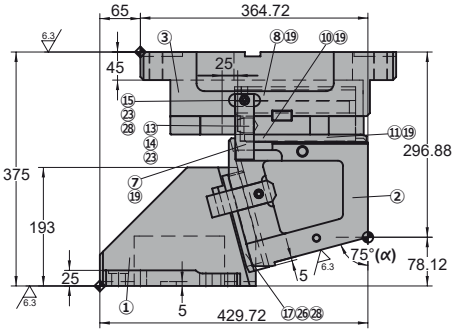
Aerial cam for pierce and flange

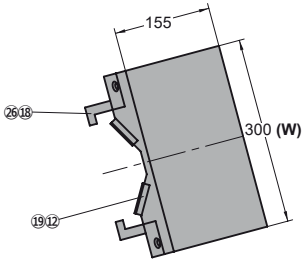
AZOL GAS

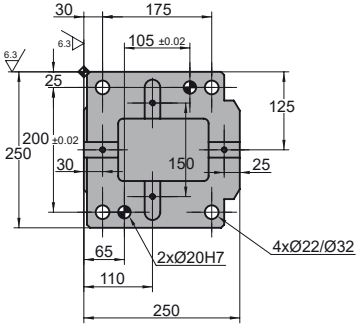
ASVX 0300 75



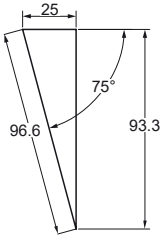








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0300

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
96.6	364.0 (37.1)	---	18399.3 (1877.4)	182.2	ASVX	0300	75

Order: Model (W) (α)

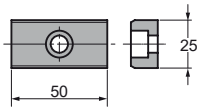
ASVX 0300 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0300 75-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉙ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Stopper	4	Urethane
⑮	Locking Stopper	1	CK45
⑯	Spring Guide	1	CK45

No.	Descripción	Qty.	Material
⑰	Lower Slide Guide	1	CK45
⑱	Positive Return 2	2	CK45
⑲	Screw	24	M8 x 20
⑳	Screw	4	M6 x 20
㉑	Screw	4	M16 x 45
㉒	Screw	2	M8 x 30
㉓	Screw	1	M16 x 150
㉔	Screw	4	M20 x 50
㉕	Screw	2	M12 x 35
㉖	Screw	2	M10 x 35
㉗	Nut	1	M16
㉘	Dowel Pin	2	Ø12 x 50
㉙	Gas Spring	2	CW 750 050
㉚	Key	4	CK45
㉛	Key	2	CK45

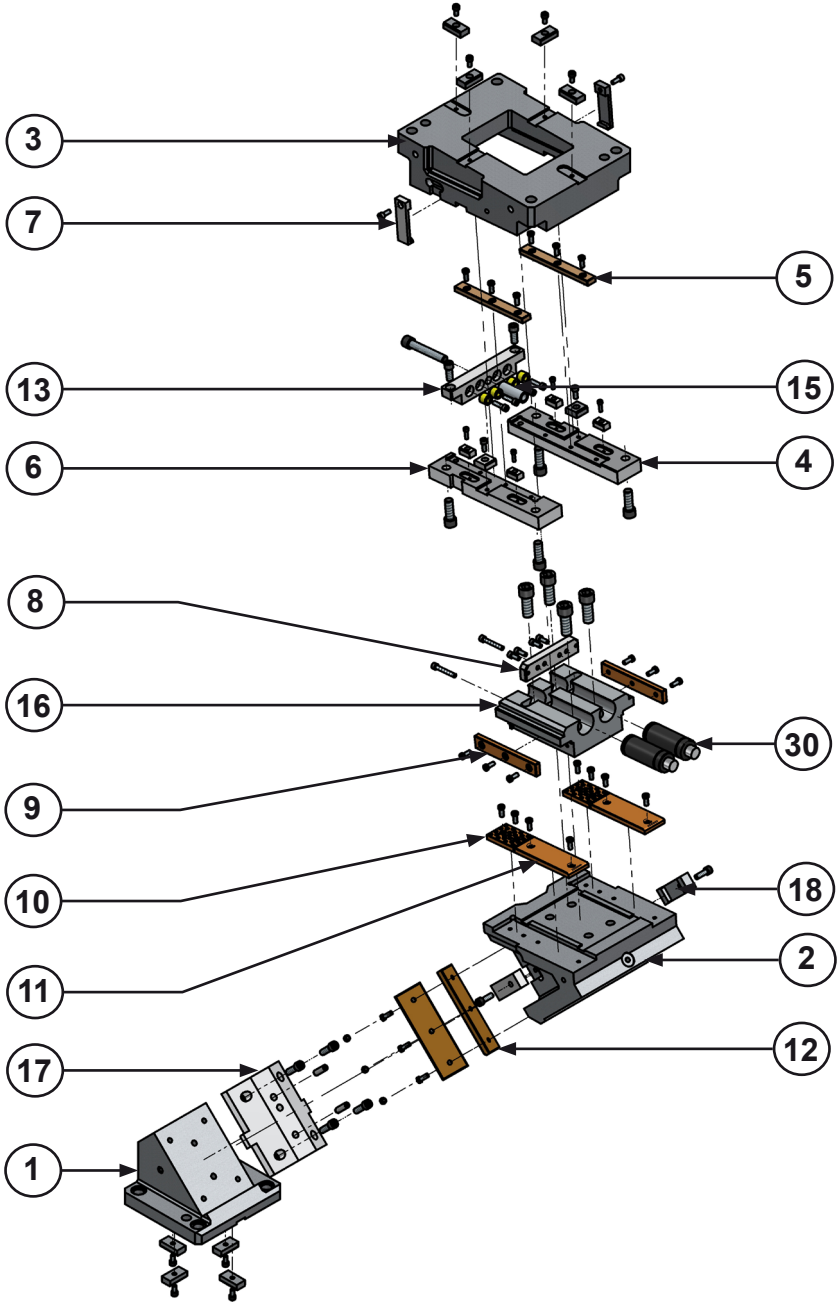
ASVX 0300

Aerial cam for pierce and flange

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

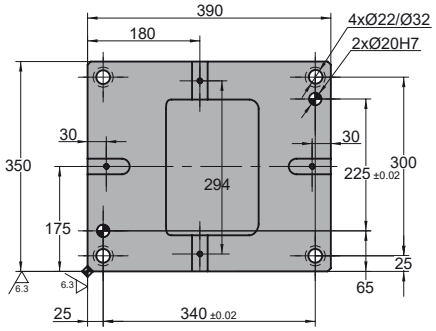


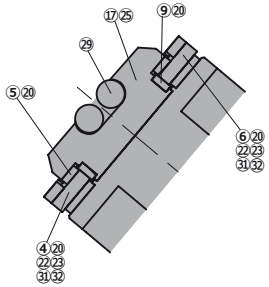
ASVX 0350

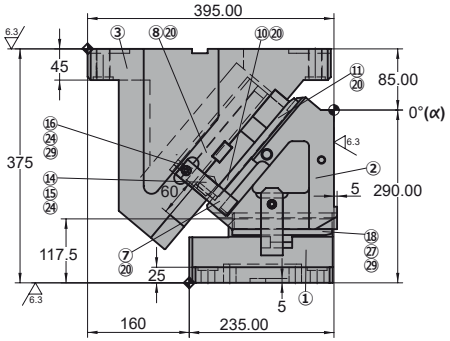
Aerial cam for pierce and flange

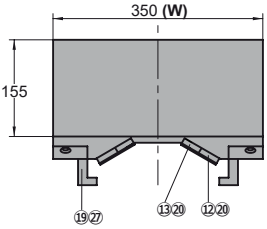
AZOL GAS

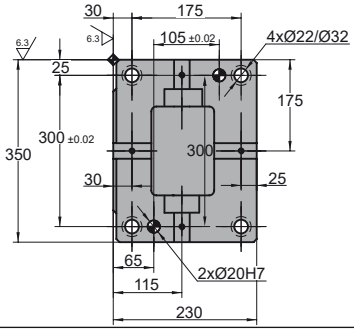
ASVX 0350 00



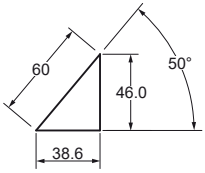








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	405.0 (41.3)	---	27263.8 (2780.1)	212.6	ASVX	0350	00

Order: Model (W) (α)

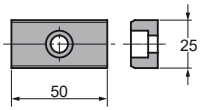
ASVX 0350 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 00-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

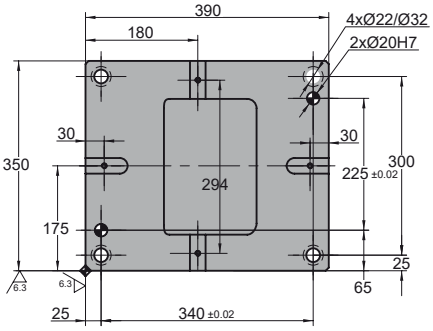
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

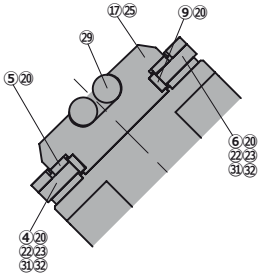
ASVX 0350

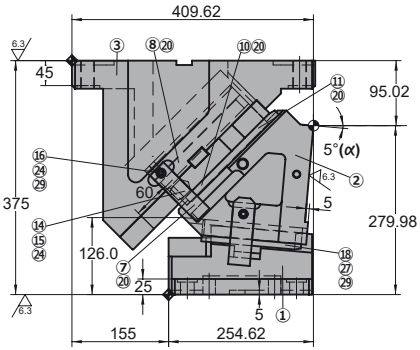
Aerial cam for pierce and flange

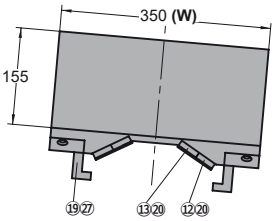
AZOL GAS

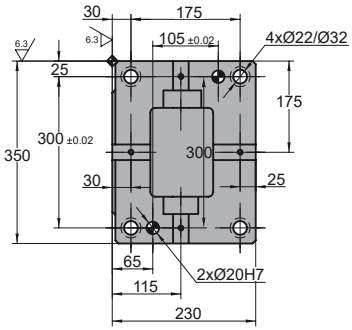
ASVX 0350 05



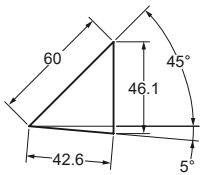








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	405.0 (41.3)	---	27263.8 (2780.1)	214.7	ASVX	0350	05

Order: Model (W) (α)

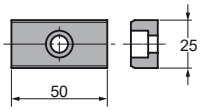
ASVX 0350 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 05-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

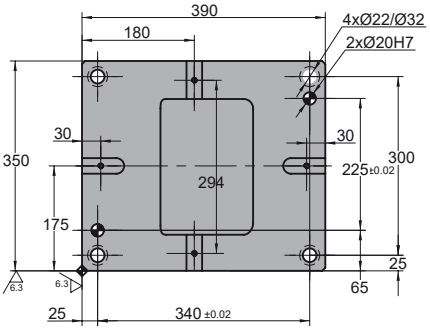
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

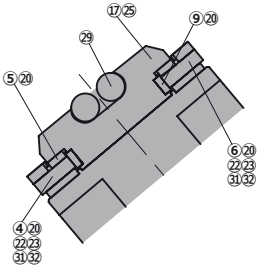
ASVX 0350

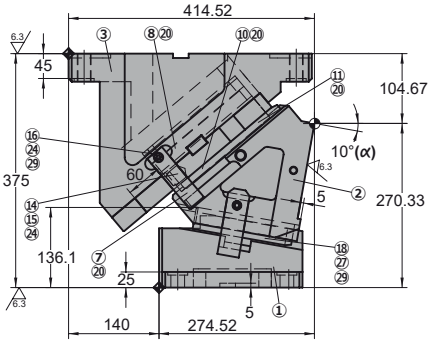
Aerial cam for pierce and flange

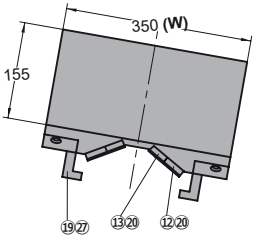
AZOL GAS

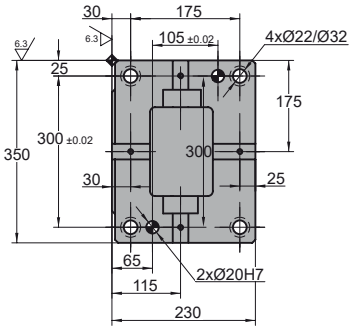
ASVX 0350 10



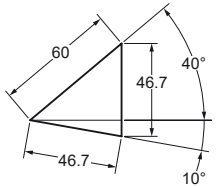








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	405.0 (41.3)	---	27263.8 (2780.1)	207.2	ASVX	0350	10

Order: Model (W) (α)

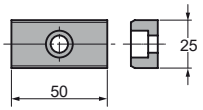
ASVX 0350 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 10-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

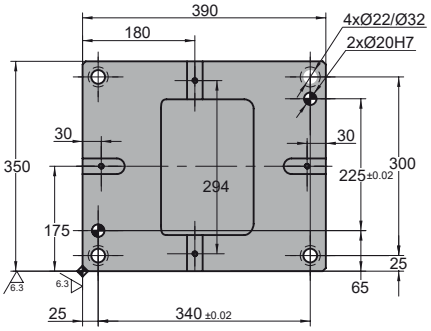
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

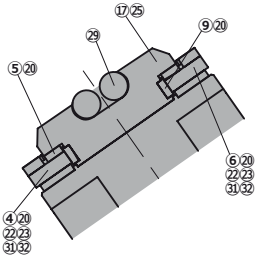
ASVX 0350

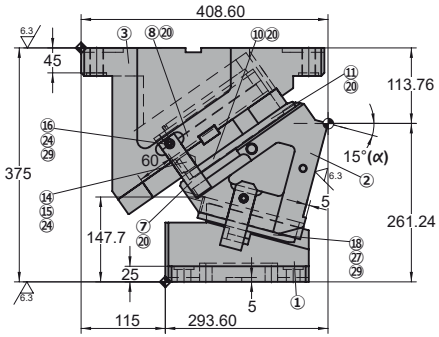
Aerial cam for pierce and flange

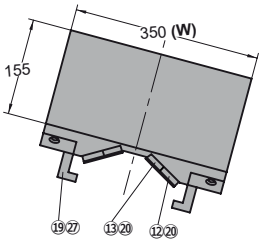
AZOL GAS

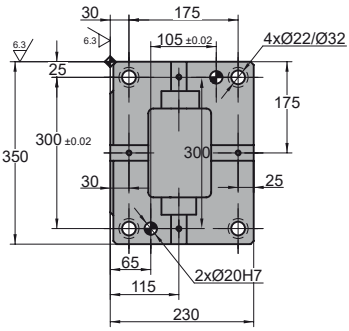
ASVX 0350 15



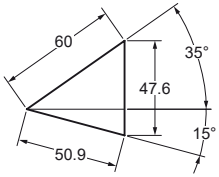








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	405.0 (41.3)	---	27263.8 (2780.1)	204.7	ASVX	0350	15

Order: Model (W) (α)

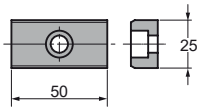
ASVX 0350 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 15-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

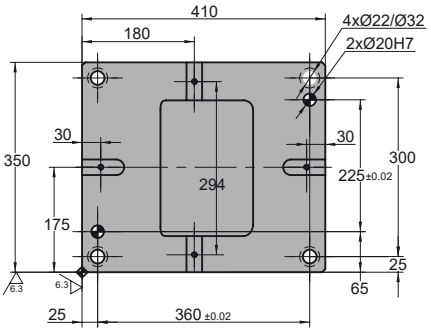
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

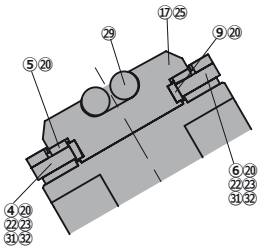
ASVX 0350

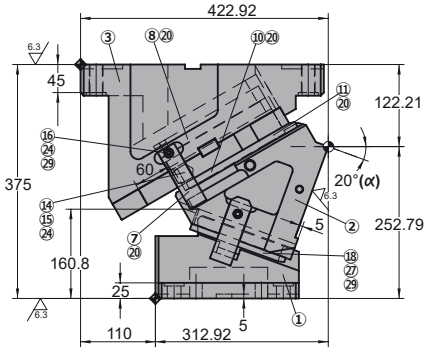
Aerial cam for pierce and flange

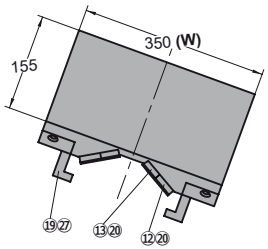
AZOL GAS

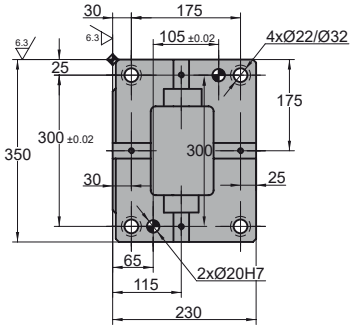
ASVX 0350 20



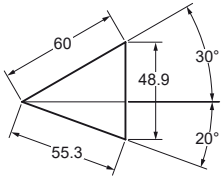








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	405.0 (41.3)	---	27263.8 (2780.1)	205.5	ASVX	0350	20

Order: Model (W) (α)

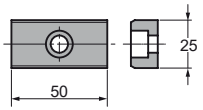
ASVX 0350 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 20-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

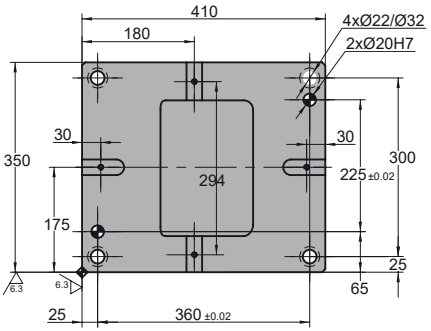
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

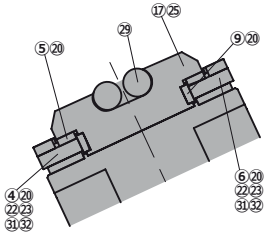
ASVX 0350

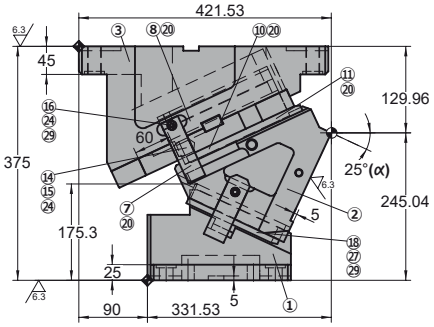
Aerial cam for pierce and flange

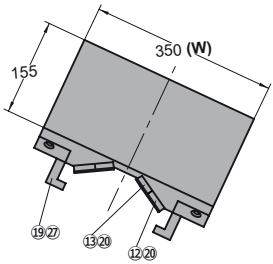
AZOL GAS

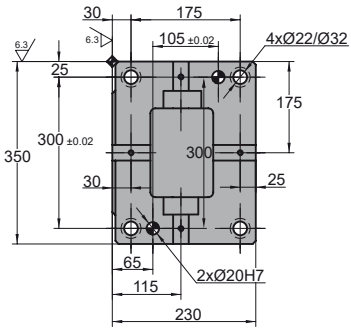
ASVX 0350 25



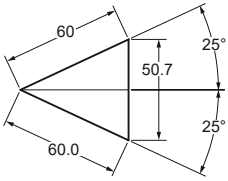








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	405.0 (41.3)	---	27263.8 (2780.1)	204.1	ASVX	0350	25

Order: Model (W) (α)

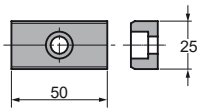
ASVX 0350 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 25-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

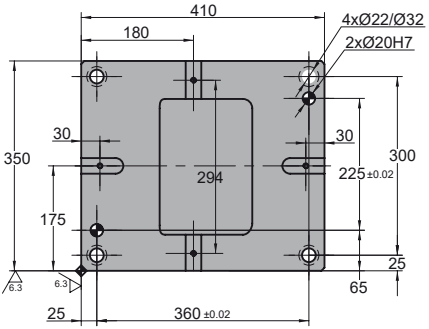
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

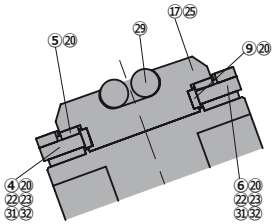
ASVX 0350

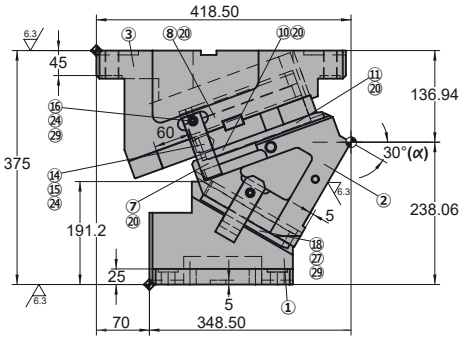
Aerial cam for pierce and flange

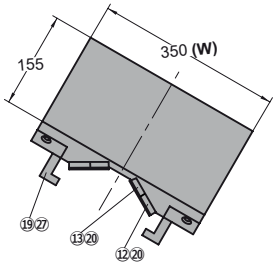
AZOL GAS

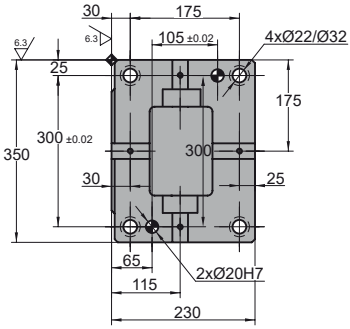
ASVX 0350 30



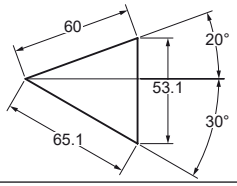








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	405.0 (41.3)	---	27263.8 (2780.1)	203.7	ASVX	0350	30

Order: Model (W) (α)

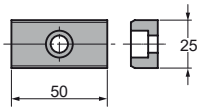
ASVX 0350 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 30-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

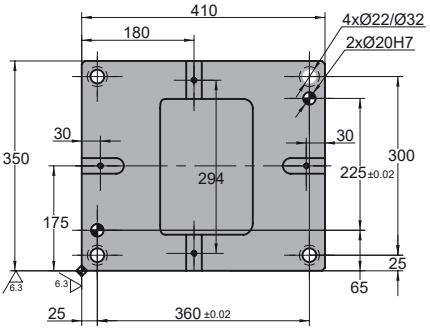
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

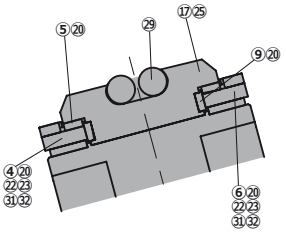
ASVX 0350

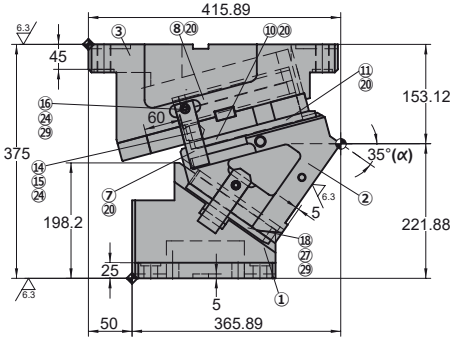
Aerial cam for pierce and flange

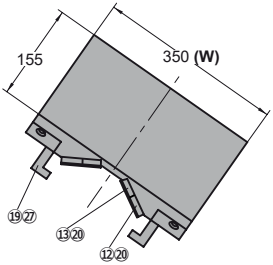
AZOL GAS

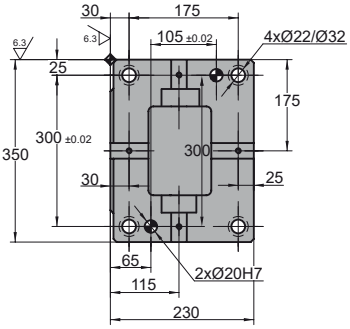
ASVX 0350 35



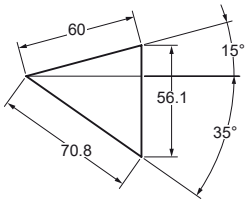








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	405.0 (41.3)	---	27263.8 (2780.1)	204.8	ASVX	0350	35

Order: Model (W) (α)

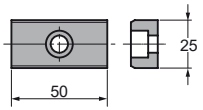
ASVX 0350 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 35-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

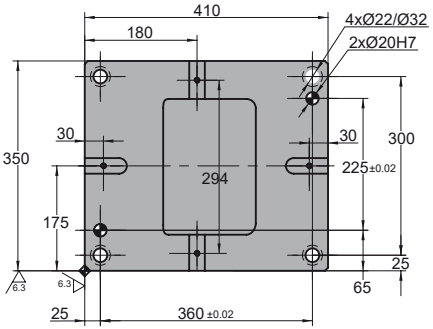
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

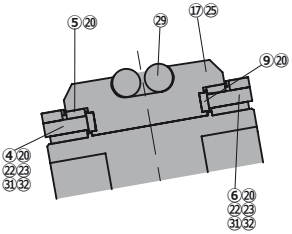
ASVX 0350

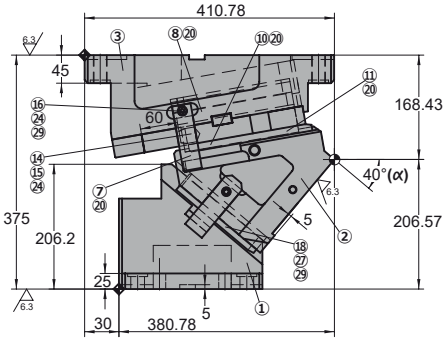
Aerial cam for pierce and flange

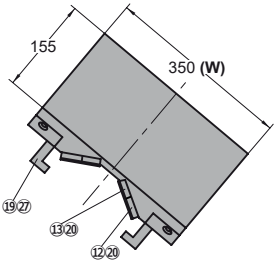
AZOL GAS

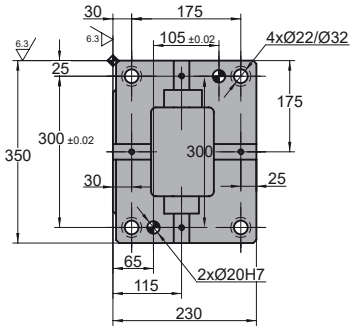
ASVX 0350 40



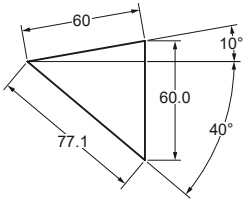








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	405.0 (41.3)	---	27263.8 (2780.1)	207.3	ASVX	0350	40

Order: Model (W) (α)

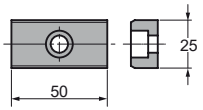
ASVX 0350 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 40-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

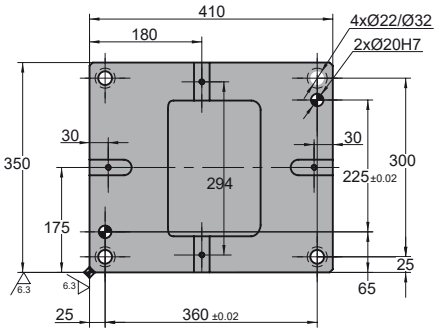
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

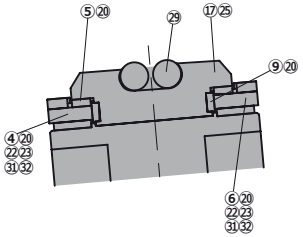
ASVX 0350

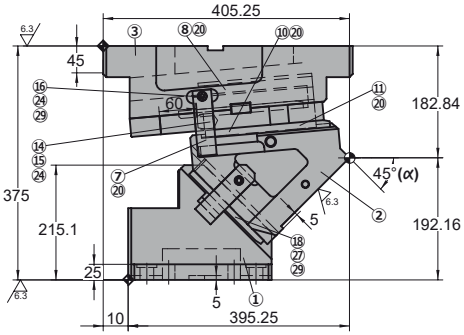
Aerial cam for pierce and flange

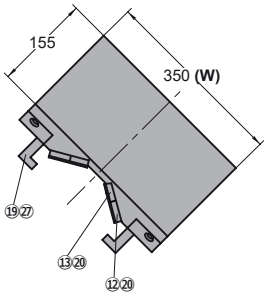
AZOL GAS

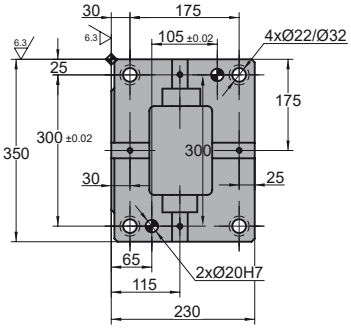
ASVX 0350 45



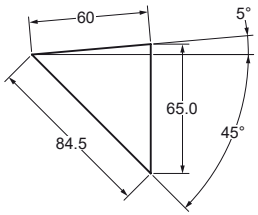








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	405.0 (41.3)	---	27263.8 (2780.1)	209.9	ASVX	0350	45

Order: Model (W) (α)

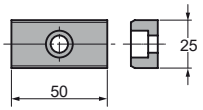
ASVX 0350 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 45-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

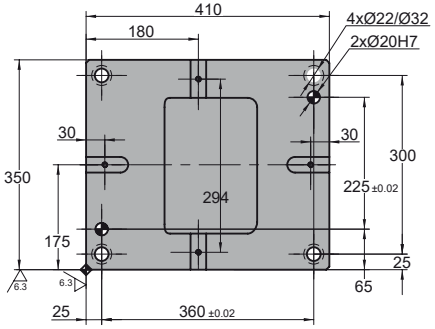
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

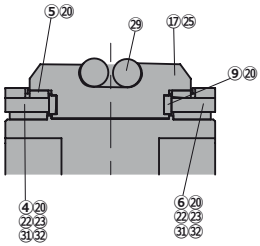
ASVX 0350

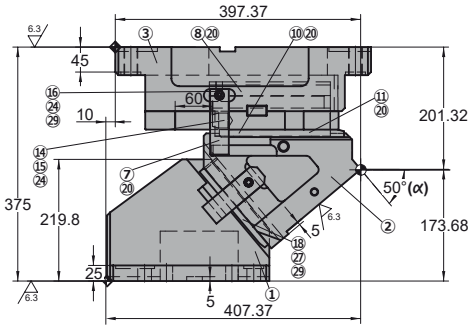
Aerial cam for pierce and flange

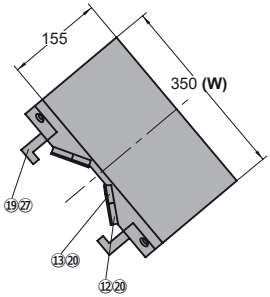
AZOL GAS

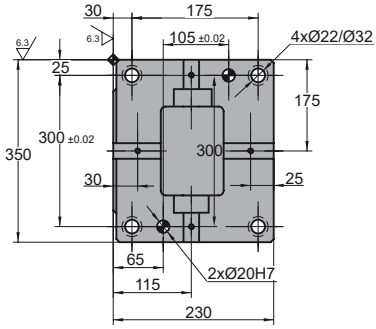
ASVX 0350 50



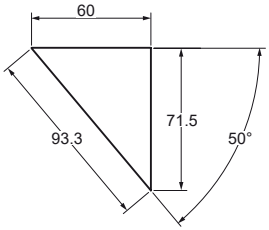








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	405.0 (41.3)	---	27263.8 (2780.1)	211.1	ASVX	0350	50

Order: Model (W) (α)

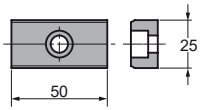
ASVX 0350 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 50-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

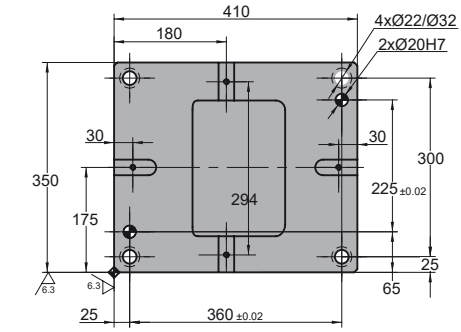
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 080
㉛	Key	4	CK45
㉜	Key	2	CK45

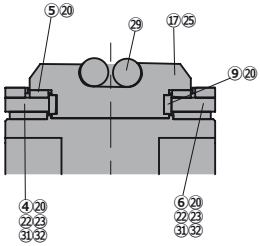
ASVX 0350

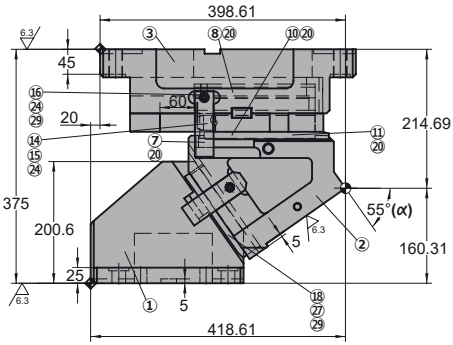
Aerial cam for pierce and flange

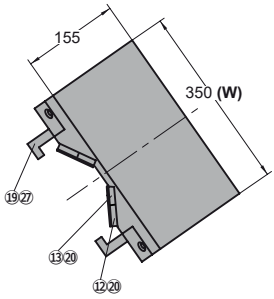
AZOL GAS

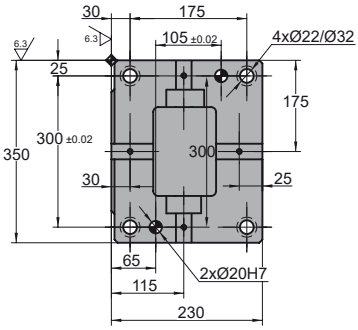
ASVX 0350 55



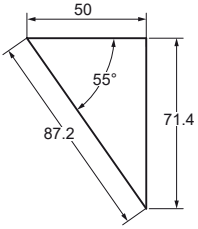








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.2	405.0 (41.3)	---	25853.7 (2636.3)	208.9	ASVX	0350	55

Order: Model (W) (α)

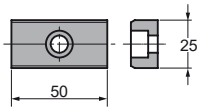
ASVX 0350 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 55-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

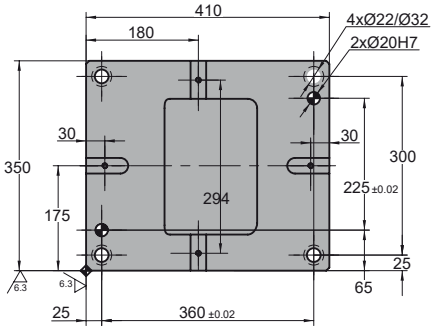
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 075
㉛	Key	4	CK45
㉜	Key	2	CK45

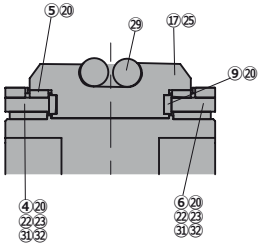
ASVX 0350

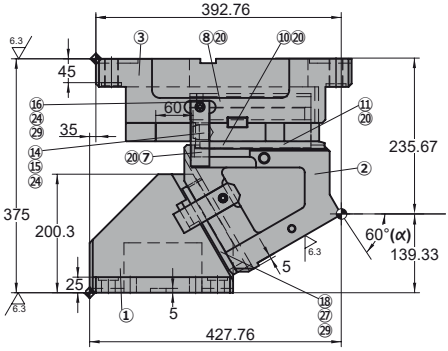
Aerial cam for pierce and flange

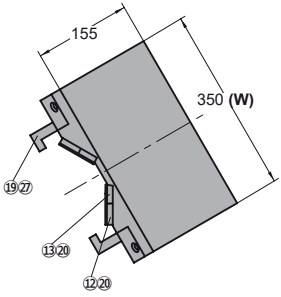
AZOL GAS

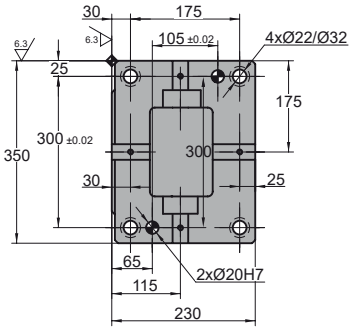
ASVX 0350 60



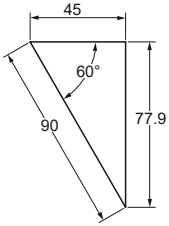








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
90.0	405.0 (41.3)	---	26538.8 (2706.2)	214.3	ASVX	0350	60

Order: Model (W) (α)

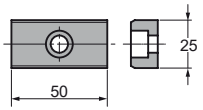
ASVX 0350 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 60-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

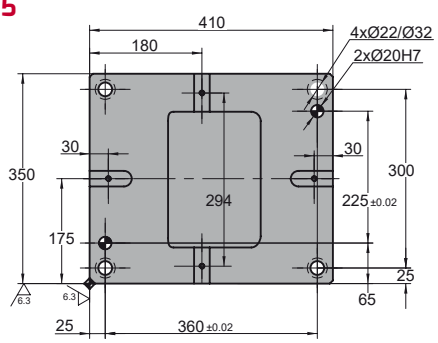
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 063
㉛	Key	4	CK45
㉜	Key	2	CK45

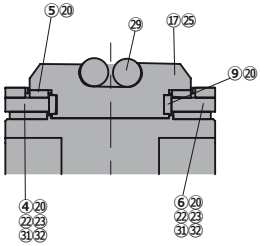
ASVX 0350

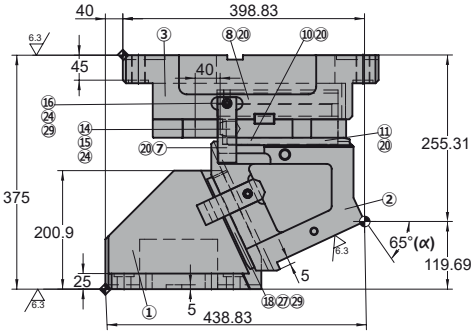
Aerial cam for pierce and flange

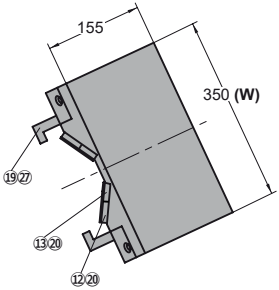
AZOL GAS

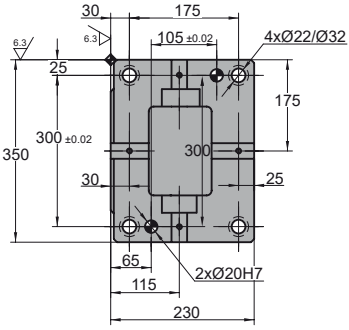
ASVX 0350 65



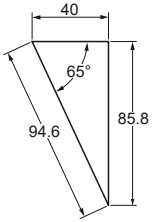








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
94.6	405.0 (41.3)	---	25295.5 (2579.4)	218.7	ASVX	0350	65

Order: Model (W) (α)

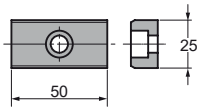
ASVX 0350 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 65-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

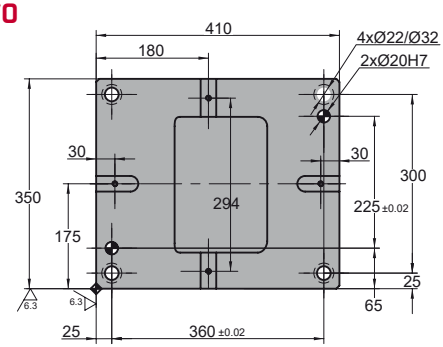
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 063
㉛	Key	4	CK45
㉜	Key	2	CK45

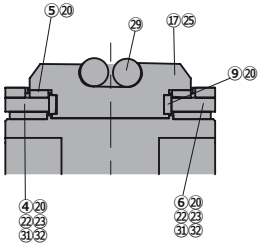
ASVX 0350

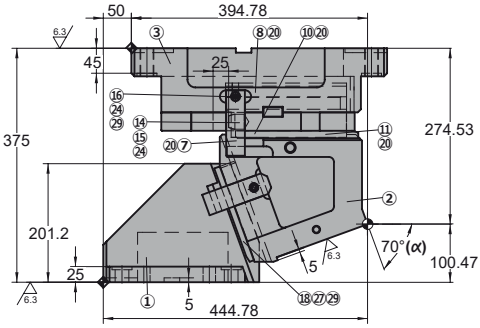
Aerial cam for pierce and flange

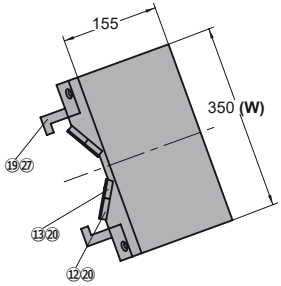
AZOL GAS

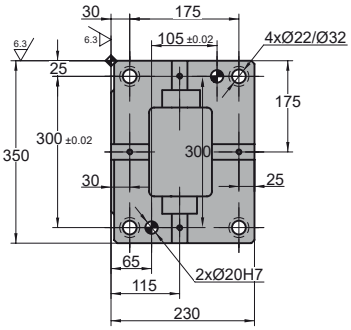
ASVX 0350 70



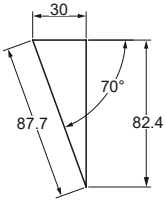








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
87.7	405.0 (41.3)	---	24685.8 (2517.2)	225.7	ASVX	0350	70

Order: Model (W) (α)

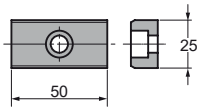
ASVX 0350 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 70-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

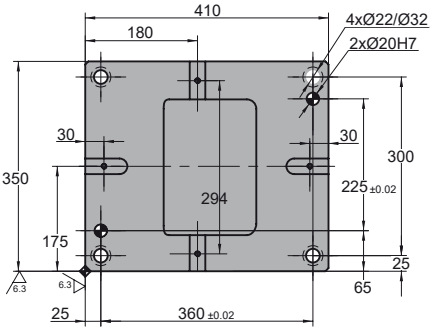
No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 050
㉛	Key	4	CK45
㉜	Key	2	CK45

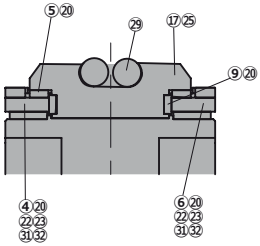
ASVX 0350

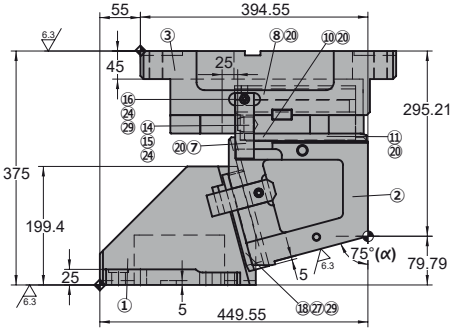
Aerial cam for pierce and flange

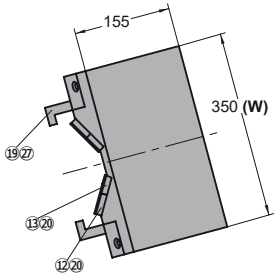
AZOL GAS

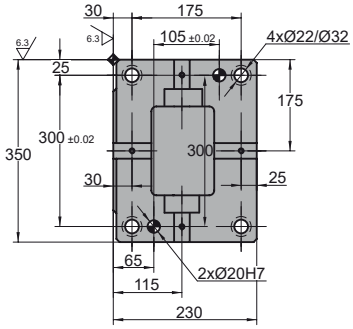
ASVX 0350 75



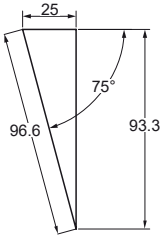








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0350

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
96.6	405.0 (41.3)	---	23356.0 (2381.6)	231.1	ASVX	0350	75

Order: Model (W) (α)

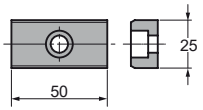
ASVX 0350 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0350 75-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ⑬ Slider Plate 6
- ㉚ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Side Guide 1	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Side Guide 2	1	CK45
⑦	Positive Return 1	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	2	Bronze + G
⑬	Slider Plate 6	2	CK45
⑭	Stopper Plate	1	CK45
⑮	Stopper	4	Urethane
⑯	Locking Stopper	1	CK45

No.	Descripción	Qty.	Material
⑰	Spring Guide	1	CK45
⑱	Lower Slide Guide	1	CK45
⑲	Positive Return 2	2	CK45
⑳	Screw	24	M8 x 20
㉑	Screw	4	M6 x 20
㉒	Screw	4	M16 x 45
㉓	Screw	2	M8 x 30
㉔	Screw	1	M16 x 150
㉕	Screw	4	M20 x 50
㉖	Screw	2	M12 x 35
㉗	Screw	2	M10 x 35
㉘	Nut	1	M16
㉙	Dowel Pin	2	Ø12 x 50
㉚	Gas Spring	2	CW 1000 050
㉛	Key	4	CK45
㉜	Key	2	CK45

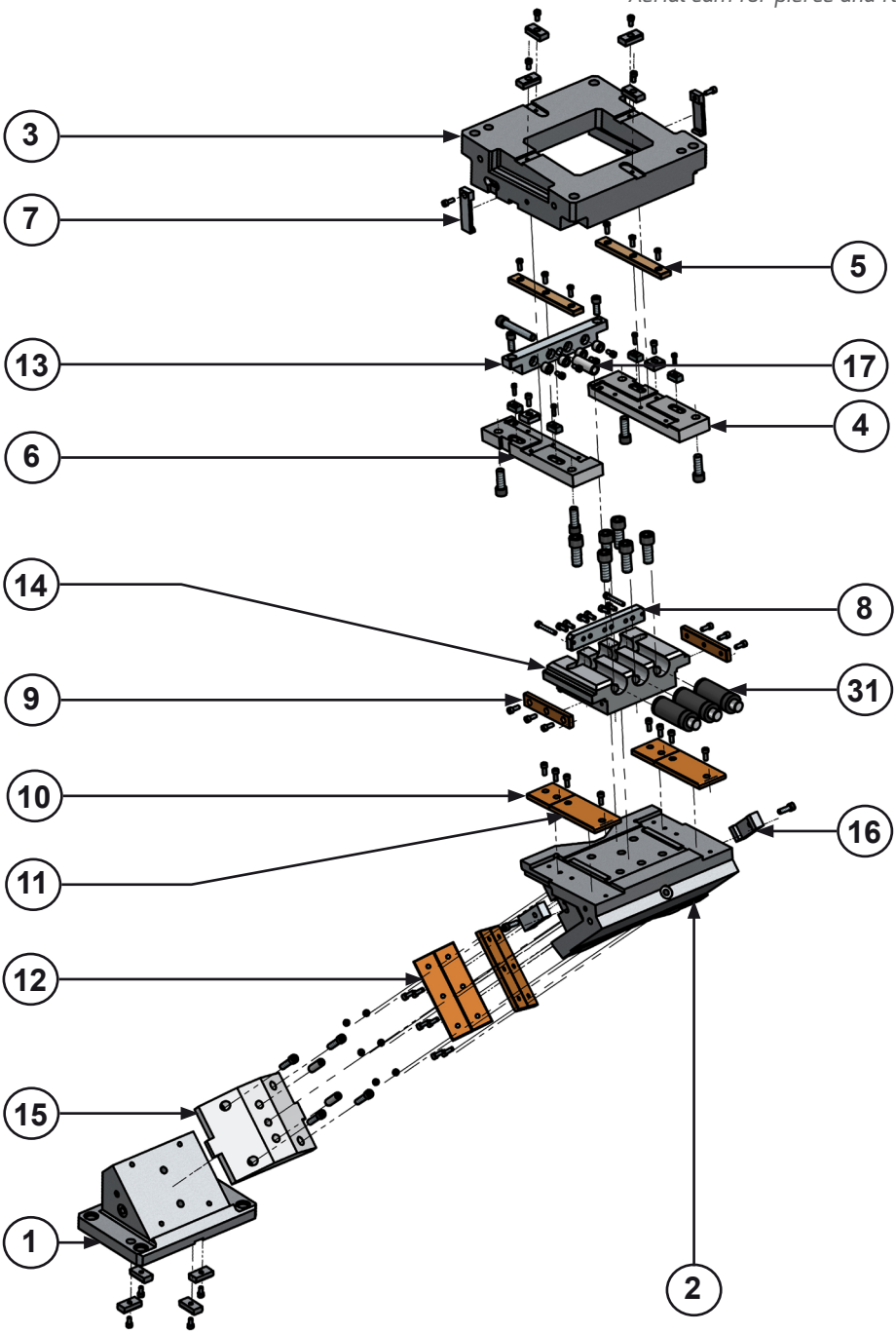
ASVX 0350

Aerial cam for pierce and flange

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

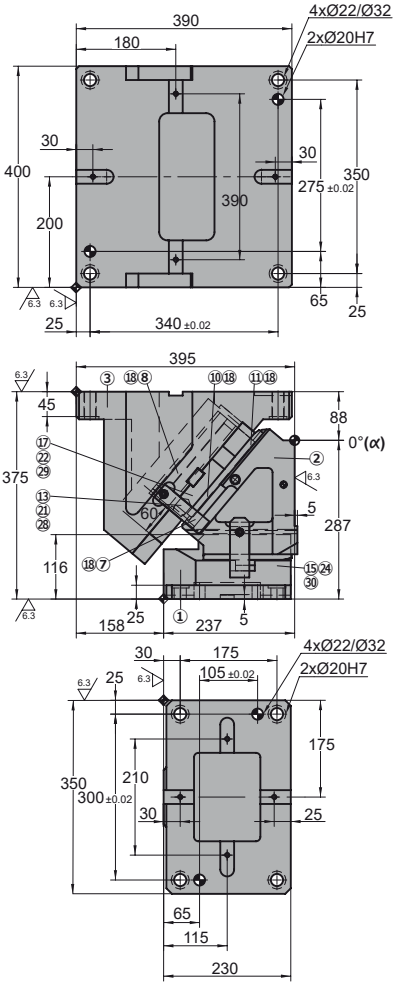


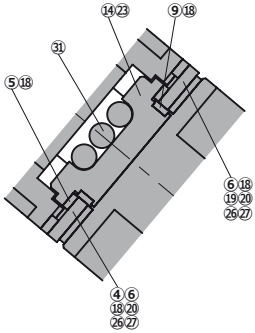
ASVX 0400

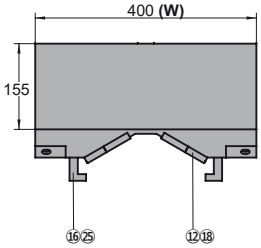
Aerial cam for pierce and flange

AZOL GAS

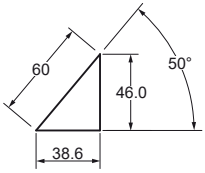
ASVX 0400 00







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
38.6	450.0 (45.9)	---	31587.3 (3222.9)	224.6	ASVX	0400	00

Order: Model (W) (α)

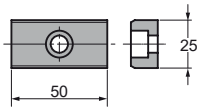
ASVX 0400 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 00-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

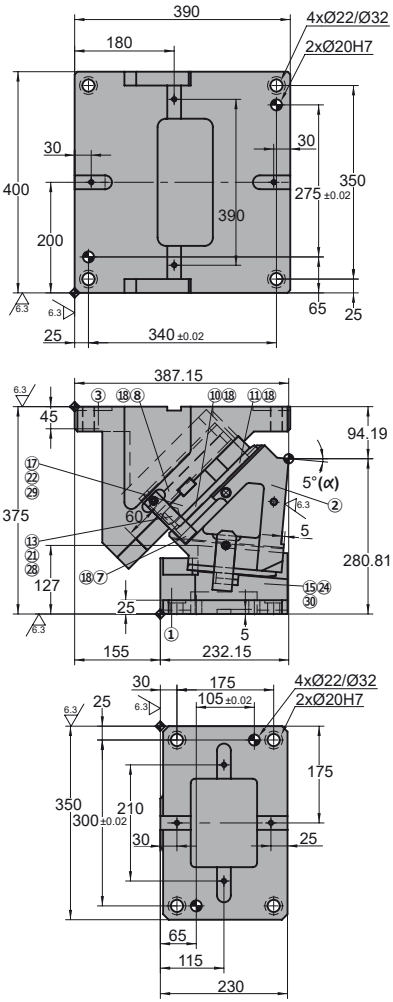
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

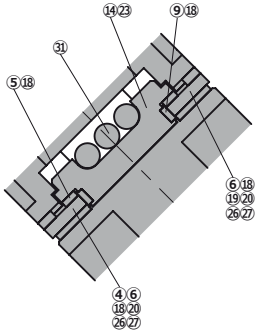
ASVX 0400

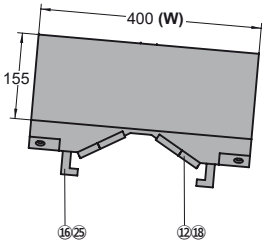
Aerial cam for pierce and flange

AZOL GAS

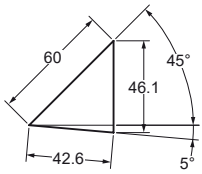
ASVX 0400 05







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
42.6	450.0 (45.9)	---	31587.3 (3222.9)	221.3	ASVX	0400	05

Order: Model (W) (α)

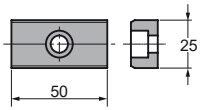
ASVX 0400 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 05-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

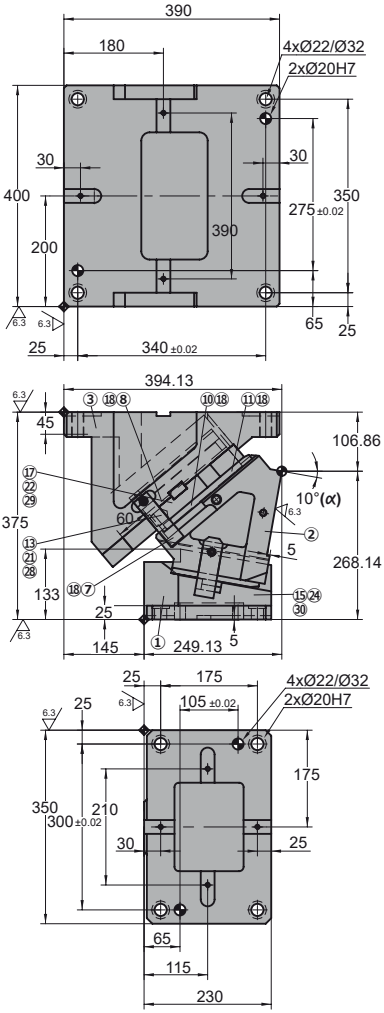
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

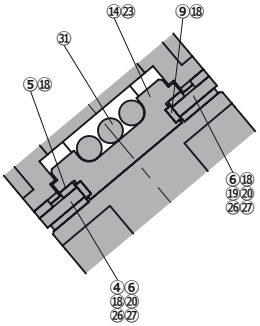
ASVX 0400

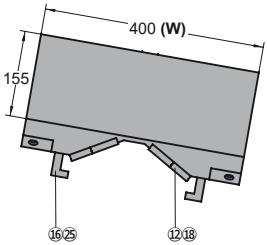
Aerial cam for pierce and flange

AZOL GAS

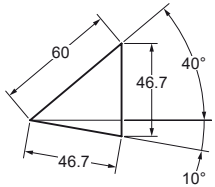
ASVX 0400 10







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
46.7	450.0 (45.9)	---	31587.3 (3222.9)	218.7	ASVX	0400	10

Order: Model (W) (α)

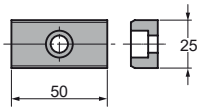
ASVX 0400 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 10-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

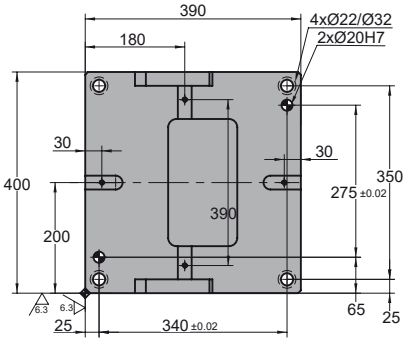
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

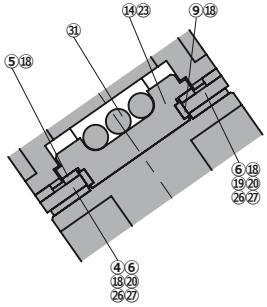
ASVX 0400

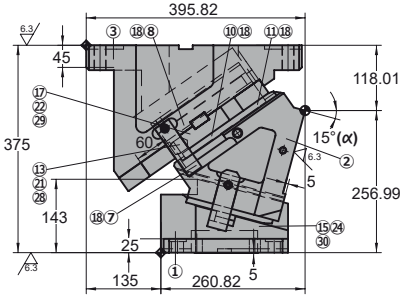
Aerial cam for pierce and flange

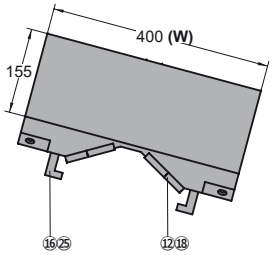
AZOL GAS

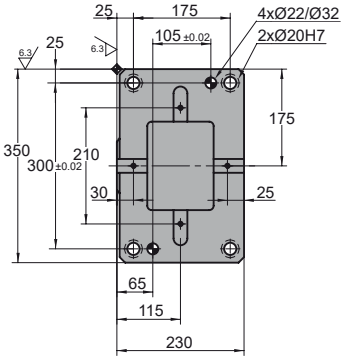
ASVX 0400 15



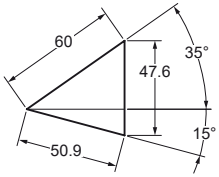








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
50.9	450.0 (45.9)	---	31587.3 (3222.9)	215.7	ASVX	0400	15

Order: Model (W) (α)

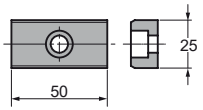
ASVX 0400 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 15-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

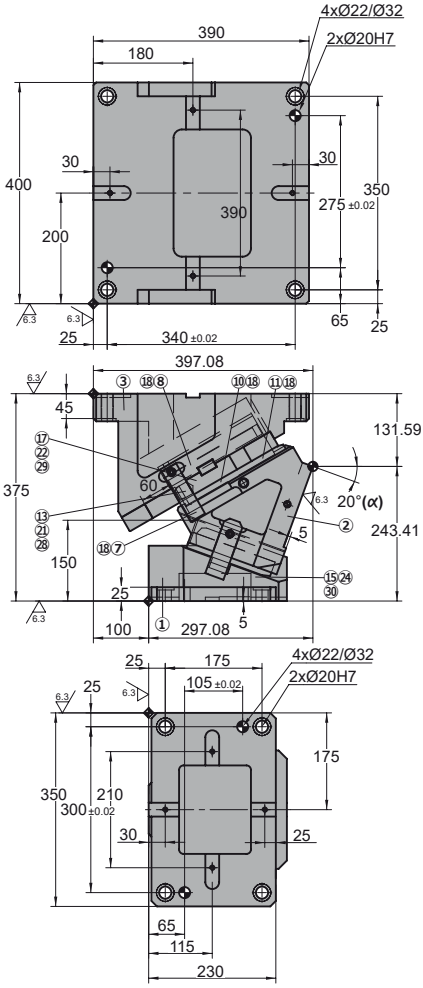
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

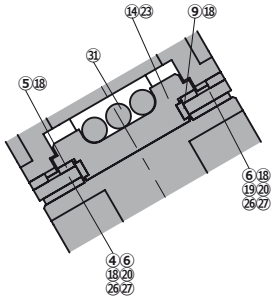
ASVX 0400

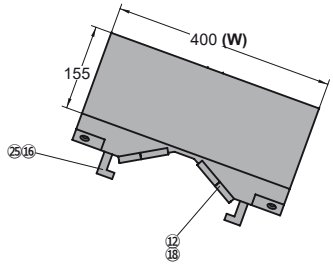
Aerial cam for pierce and flange

AZOL GAS

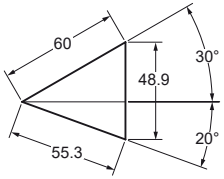
ASVX 0400 20







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55.3	450.0 (45.9)	---	31587.3 (3222.9)	212.8	ASVX	0400	20

Order: Model (W) (α)

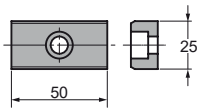
ASVX 0400 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 20-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

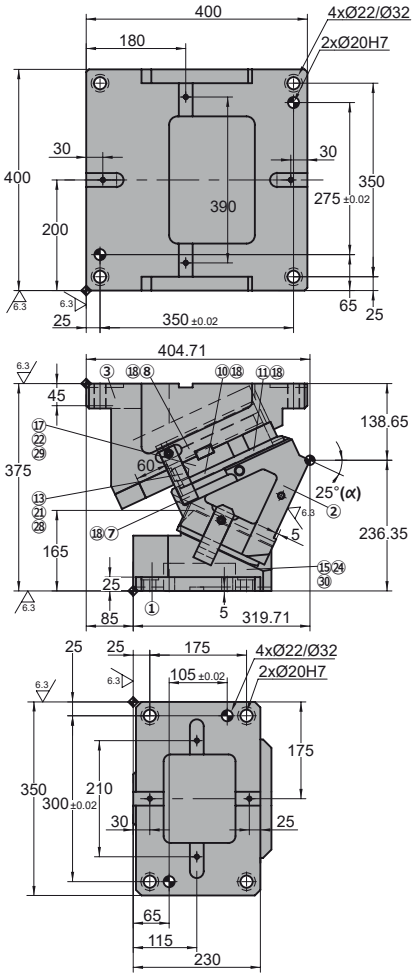
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

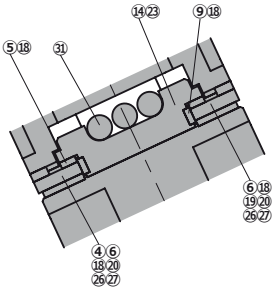
ASVX 0400

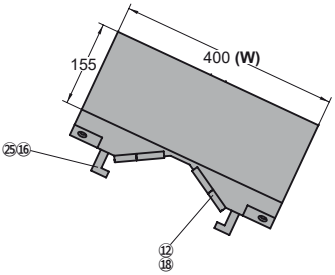
Aerial cam for pierce and flange

AZOL GAS

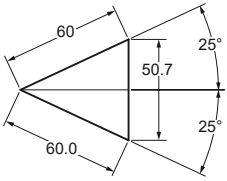
ASVX 0400 25







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	450.0 (45.9)	---	31587.3 (3222.9)	214.0	ASVX	0400	25

Order: Model (W) (α)

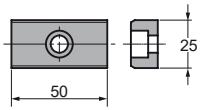
ASVX 0400 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 25-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

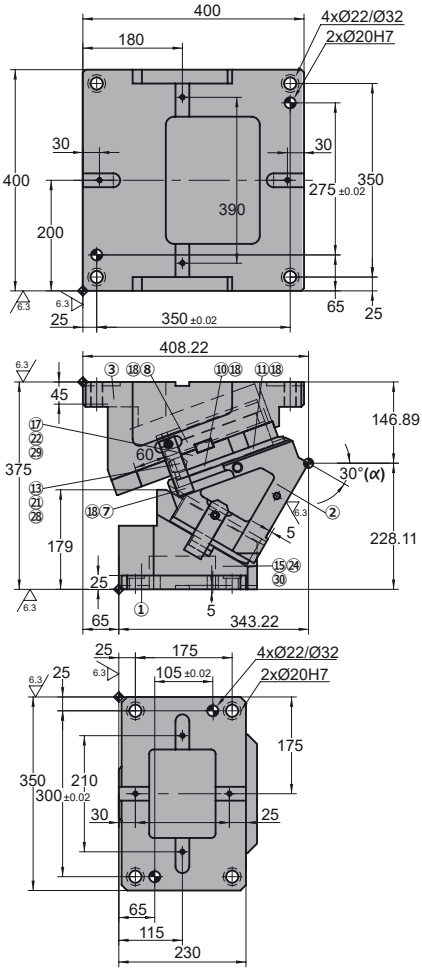
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

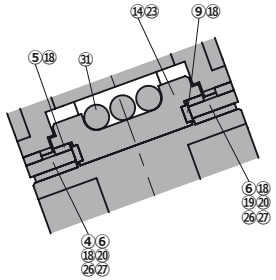
ASVX 0400

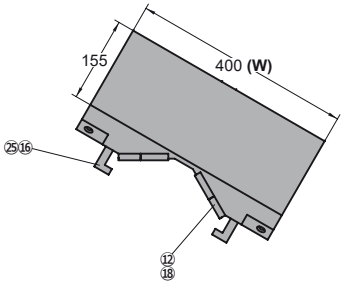
Aerial cam for pierce and flange

AZOL GAS

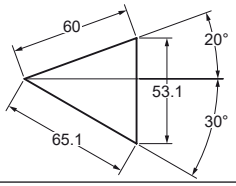
ASVX 0400 30







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
65.1	450.0 (45.9)	---	31587.3 (3222.9)	212.7	ASVX	0400	30

Order: Model (W) (α)

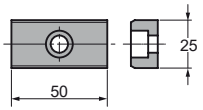
ASVX 0400 30

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 30-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

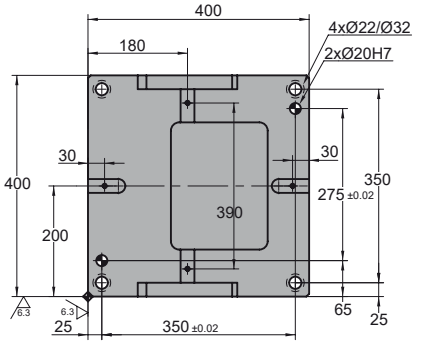
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

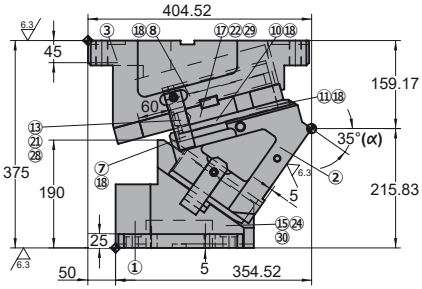
ASVX 0400

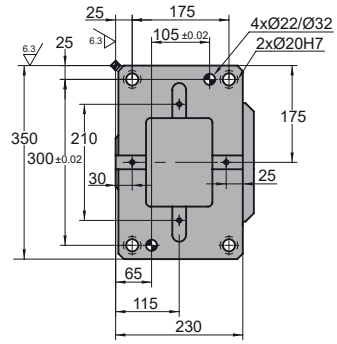
Aerial cam for pierce and flange

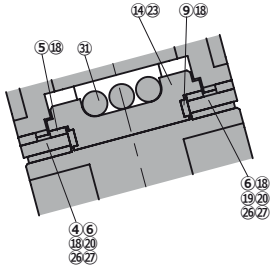
AZOL GAS

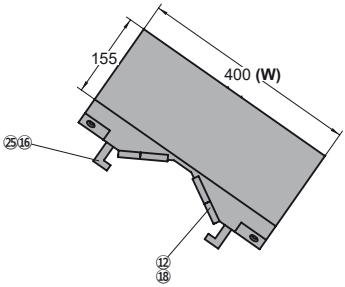
ASVX 0400 35



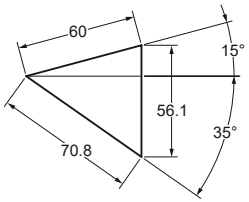








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.8	450.0 (45.9)	---	31587.3 (3222.9)	215.0	ASVX	0400	35

Order: Model (W) (α)

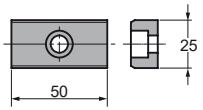
ASVX 0400 35

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 35-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

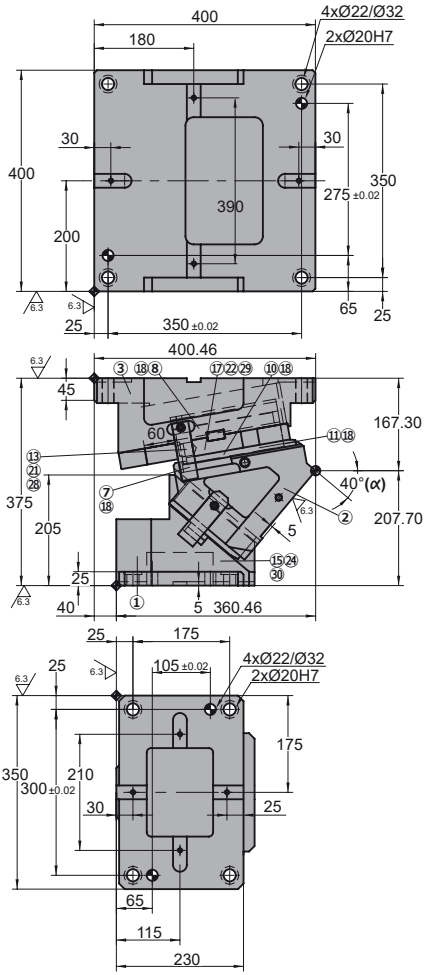
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

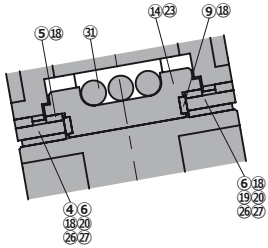
ASVX 0400

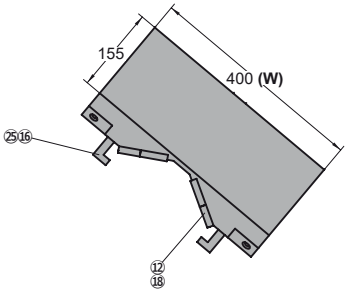
Aerial cam for pierce and flange

AZOL GAS

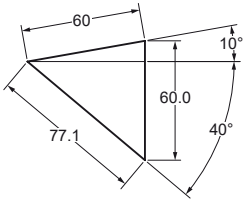
ASVX 0400 40







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
77.1	450.0 (45.9)	---	31587.3 (3222.9)	216.2	ASVX	0400	40

Order: Model (W) (α)

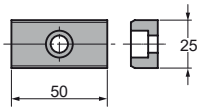
ASVX 0400 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 40-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

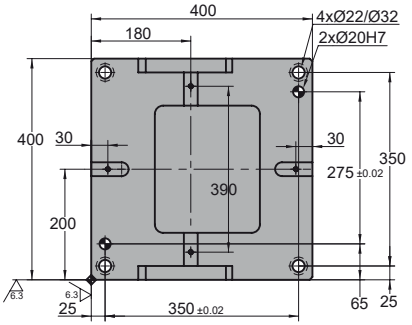
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

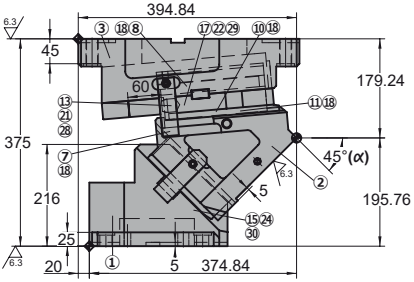
ASVX 0400

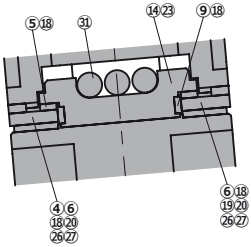
Aerial cam for pierce and flange

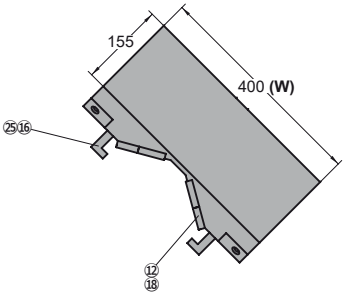
AZOL GAS

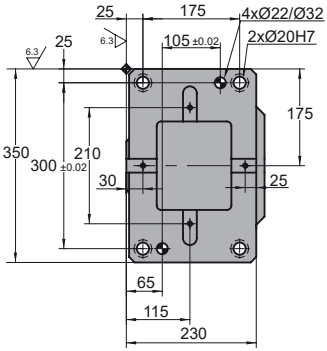
ASVX 0400 45



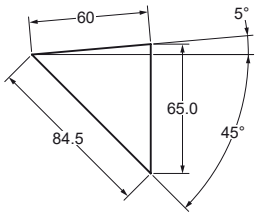








◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
84.5	450.0 (45.9)	---	31587.3 (3222.9)	217.3	ASVX	0400	45

Order: Model (W) (α)

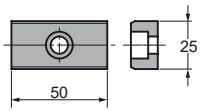
ASVX 0400 45

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 45-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

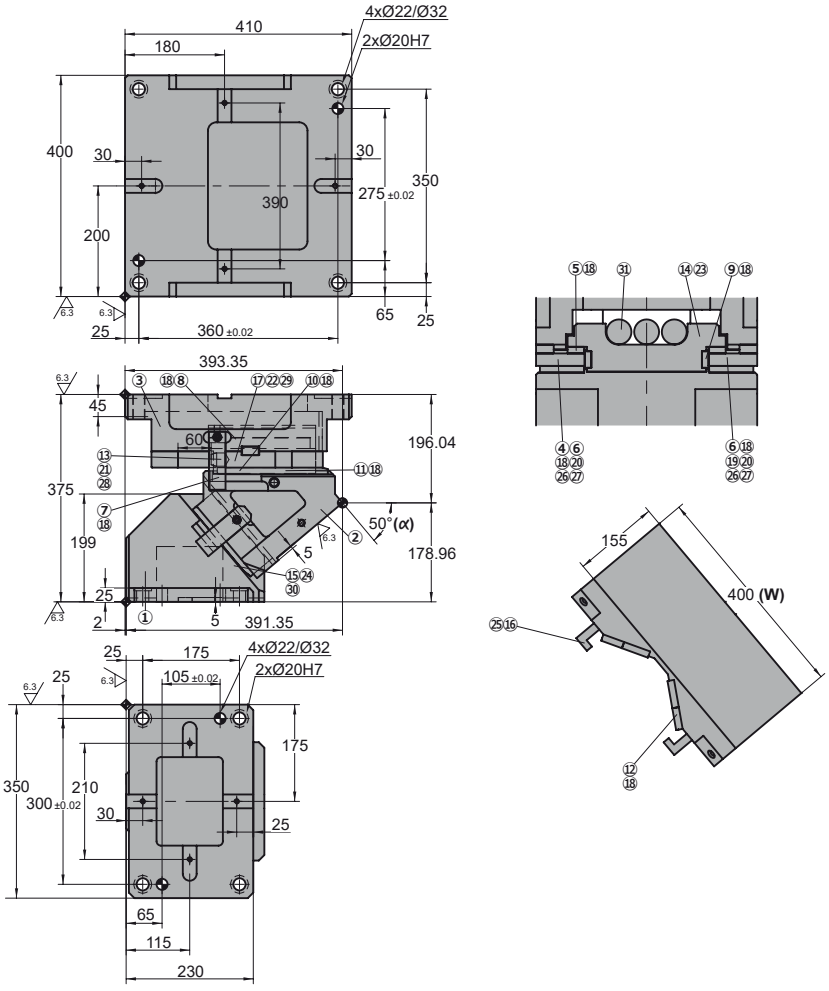
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

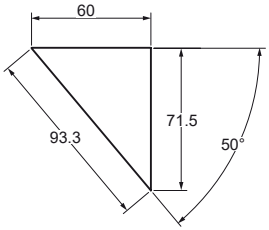
Aerial cam for pierce and flange

AZOL GAS

ASVX 0400 50



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
93.3	450.0 (45.9)	---	31587.3 (3222.9)	216.6	ASVX	0400	50

Order: Model (W) (α)

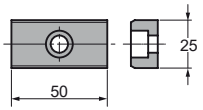
ASVX 0400 50

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 50-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

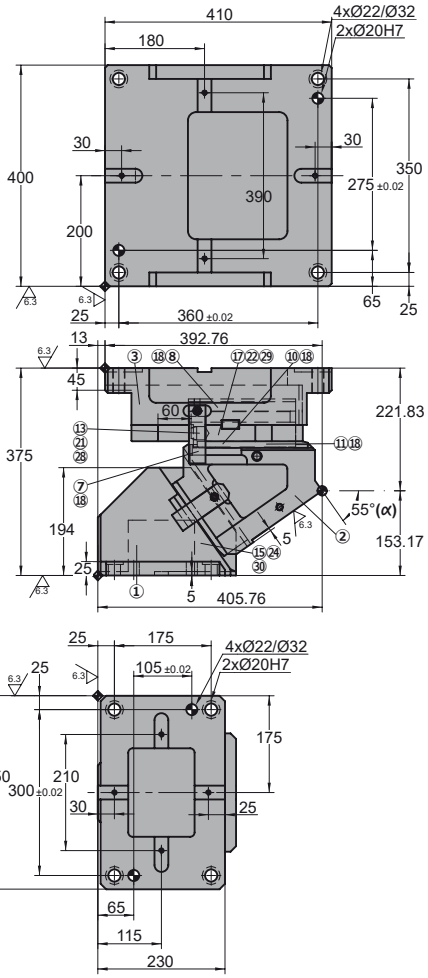
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

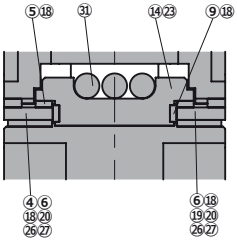
ASVX 0400

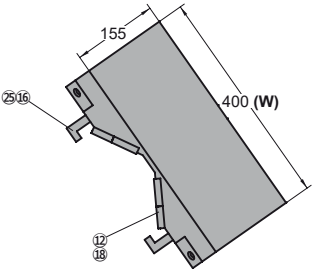
Aerial cam for pierce and flange

AZOL GAS

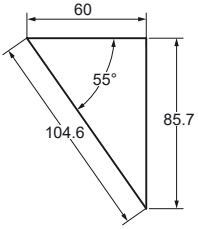
ASVX 0400 55







◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
104.6	450.0 (45.9)	---	31587.3 (3222.9)	224.0	ASVX	0400	55

Order: Model (W) (α)

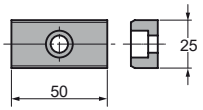
ASVX 0400 55

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 55-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

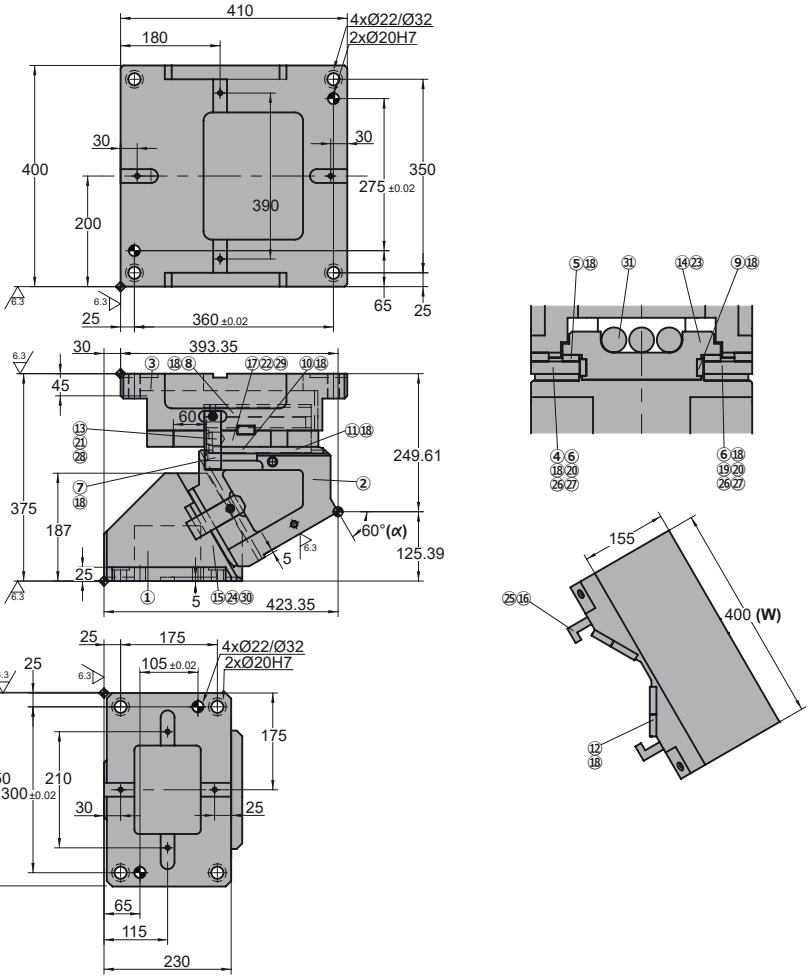
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

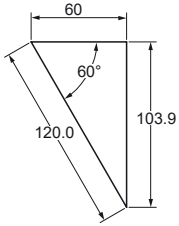
Aerial cam for pierce and flange

AZOL GAS

ASVX 0400 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
120.0	450.0 (45.9)	---	31587.3 (3222.9)	232.2	ASVX	0400	60

Order: Model (W) (α)

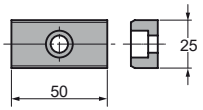
ASVX 0400 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 60-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

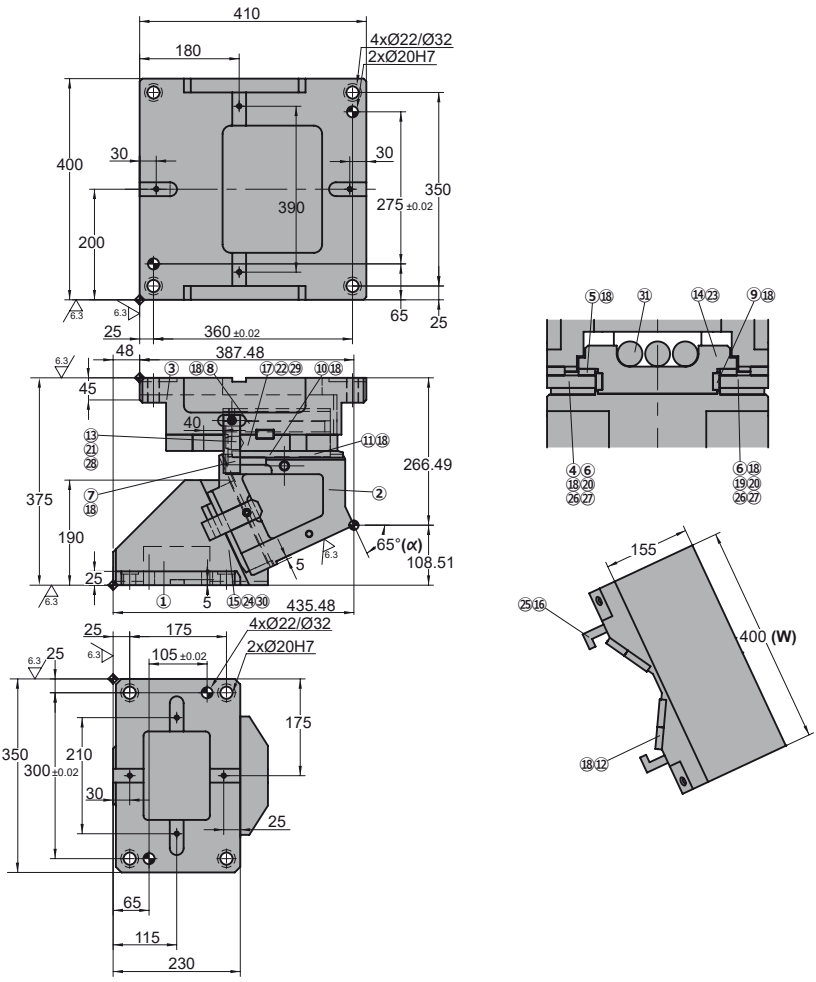
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

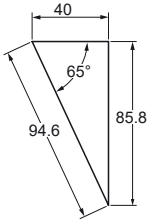
Aerial cam for pierce and flange

AZOL GAS

ASVX 0400 65



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
94.6	450.0 (45.9)	---	29606.1 (3021.0)	239.3	ASVX	0400	65

Order: Model (W) (α)

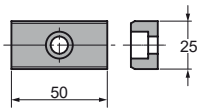
ASVX 0400 65

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K — **KEY**

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 65-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

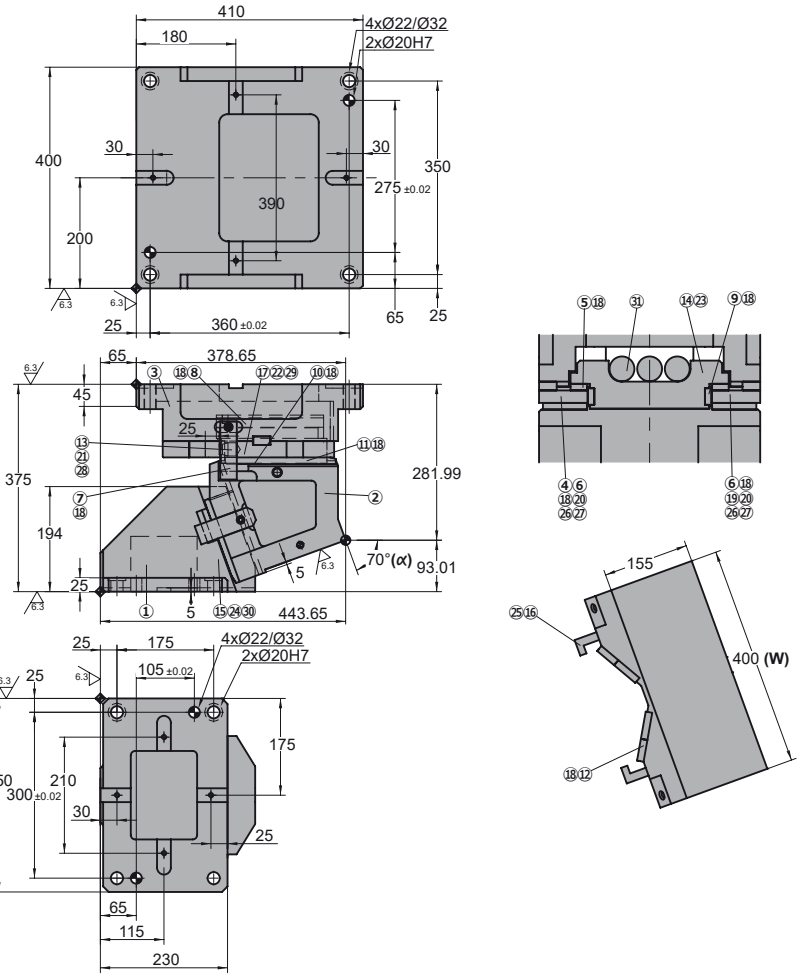
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 080

ASVX 0400

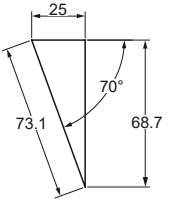
Aerial cam for pierce and flange

AZOL GAS

ASVX 0400 70



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
73.1	450.0 (45.9)	---	27599.7 (2816.1)	247.6	ASVX	0400	70

Order: Model (W) (α)

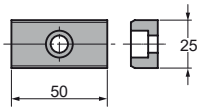
ASVX 0400 70

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 70-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

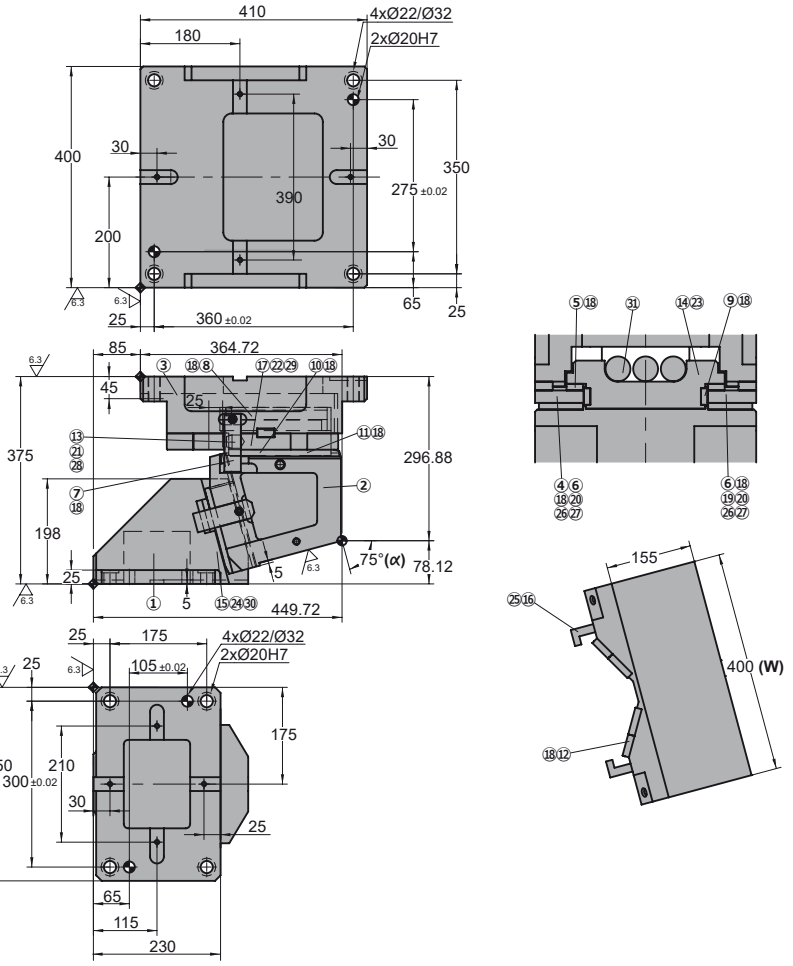
No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 050

ASVX 0400

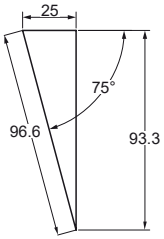
Aerial cam for pierce and flange

AZOL GAS

ASVX 0400 75



◦Cam diagram:



◦Disassembling space:

AZOL GAS

ASVX 0400

Aerial cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
96.6	450.0 (45.9)	---	27599.7 (2816.1)	252.9	ASVX	0400	75

Order: Model (W) (α)

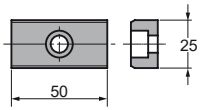
ASVX 0400 75

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K KEY

K



3 x M8x15

Order Options: Model (W) (α)-Option

ASVX 0400 75-K

SPARE PARTS:

- ⑤ Slider Plate 1
- ⑨ Slider Plate 2
- ⑩ Slider Plate 3
- ⑪ Slider Plate 4
- ⑫ Slider Plate 5
- ㉛ Gas Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Driver	1	GGG60
②	Cam Slider	1	GGG60
③	Cam Holder	1	GGG60
④	Right Base Plate	1	CK45
⑤	Slider Plate 1	2	Bronze + G
⑥	Left Base Plate	1	CK45
⑦	Security Plate	2	CK45
⑧	Spring Guide Plate	1	CK45
⑨	Slider Plate 2	2	Bronze + G
⑩	Slider Plate 3	2	Bronze + G
⑪	Slider Plate 4	2	Bronze + G
⑫	Slider Plate 5	4	Bronze + G
⑬	Stopper Plate	1	CK45
⑭	Spring Guide	1	CK45
⑮	Lower Slide Guide	1	CK45
⑯	Positive Return	2	CK45

No.	Descripción	Qty.	Material
⑰	Locking Stopper	1	CK45
⑱	Screw	28	M8 x 20
⑲	Screw	4	M6 x 20
⑳	Screw	4	M16 x 45
㉑	Screw	2	M8 x 30
㉒	Screw	1	M16 x 150
㉓	Screw	1	M20 x 50
㉔	Screw	4	M12 x 45
㉕	Screw	2	M10 x 35
㉖	Key	2	CK45
㉗	Key	4	CK45
㉘	Stopper	4	Urethane
㉙	Nut	2	M16
㉚	Dowel Pin	4	Ø16 x 50
㉛	Gas Spring	3	CW 750 050

ASVX 0400

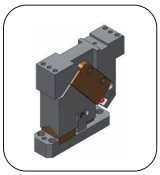
Aerial cam for pierce and flange

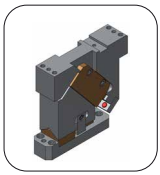
AZOL GAS

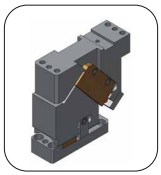
AVP

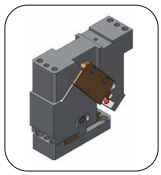
Aerial cam for pierce, trim and flange

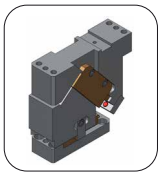
General information

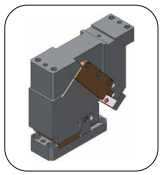

AVPS 0046

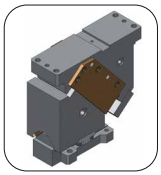

AVPL 0046

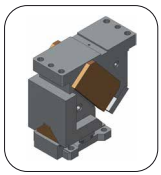

AVPS 0058

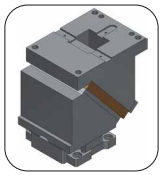

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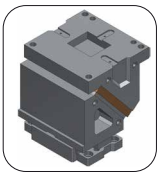

AVPS 0072

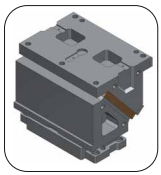

AVPL 0072


AVPL 0100


AVPL 0140


AVPL 0200

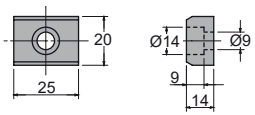

AVPL 0300


AVPL 0400

- Aerial cam.
- Angles from 0° to 80° with increments of 5°.
- “V” shaped sliding for auto-centered.
- Gas spring equiped unit.
- Quick replacement and improved strength.

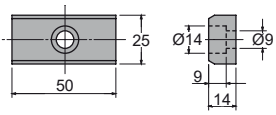
Keys

AVPS 0046
AVPL 0046
(K)

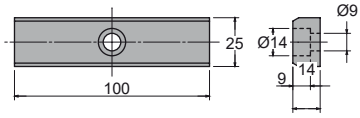


AVPS 0058
AVPL 0058
AVPS 0072
AVPL 0072
AVPL 0100
AVPL 0200
(K)

AVPL 0300
AVPL 0400
(K)



AVPL 0140
(K)



AVP

Aerial cam for pierce, trim and flange

AZOL GAS

Assembling and disassembling

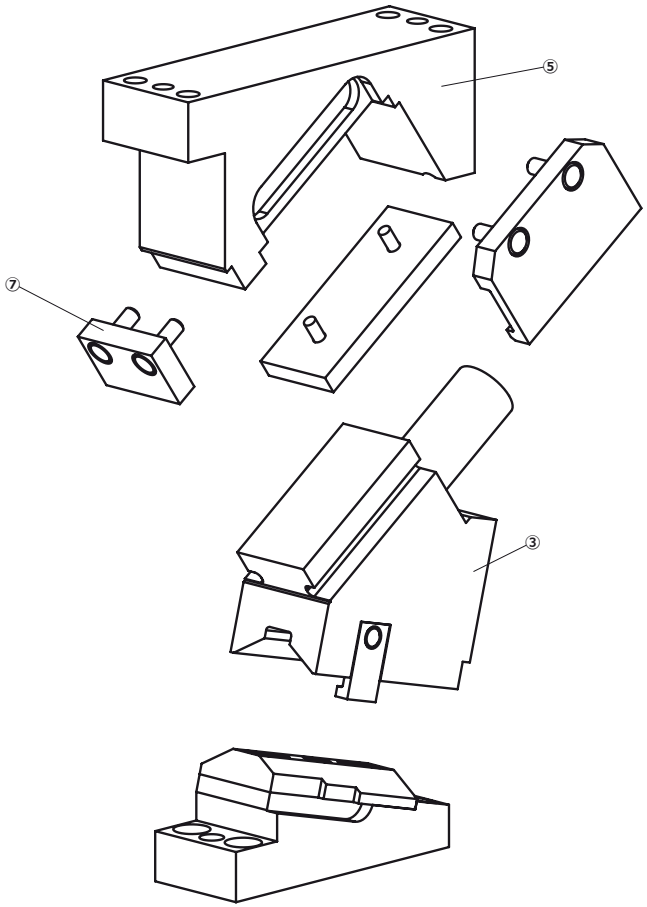
AVPS / AVPL 0046 - 0058 - 0072

Disassembling process

- Loosen hexagoalsocket head bolts and remove ⑦ stopper plate.
- Pull out and remove ③ cam slider from ⑤ cam holder to the rear.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

AVP

Aerial cam for pierce, trim and flange

Assembling and disassembling

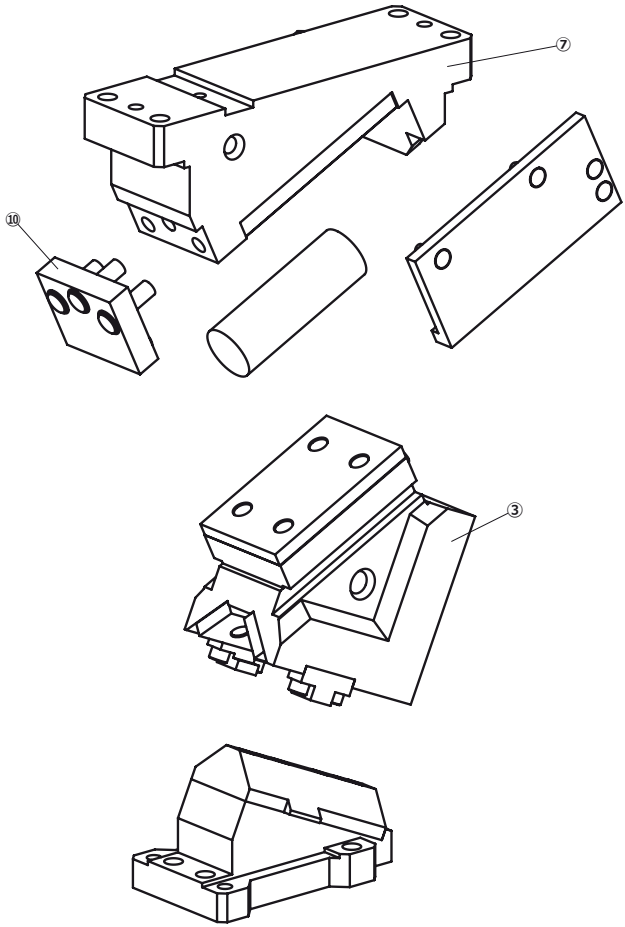
AVPL 0100 - 0140

Disassembling process

- Loosen hexagoalsocket head bolts and remove ⑩ stopper plate.
- Pull out and remove ③ cam slider from ⑦ cam holder to the rear.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AVP

Aerial cam for pierce, trim and flange

AZOL GAS

Assembling and disassembling

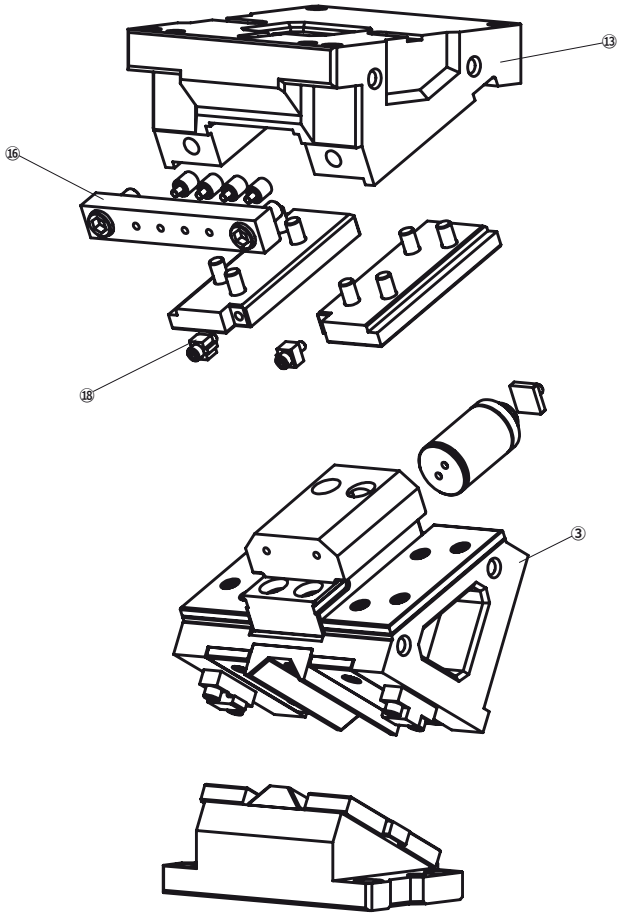
AVPL 0200 - 0300

Disassembling process

- Loosen hexagoalsocket head bolts and remove ⑱ safety block and ⑯ stopper plate.
- Pull out and remove ③ cam slider from ⑬ cam holder to the rear.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



Assembling and disassembling

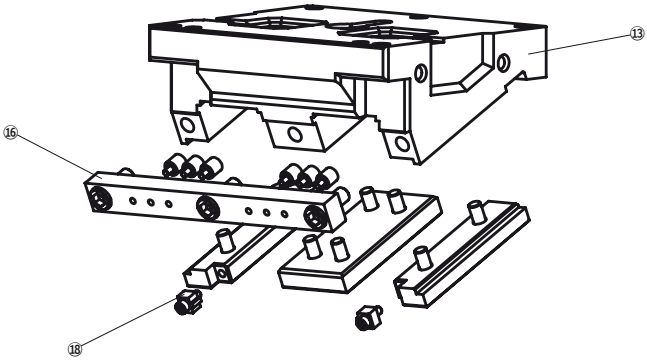
AVPL 0400

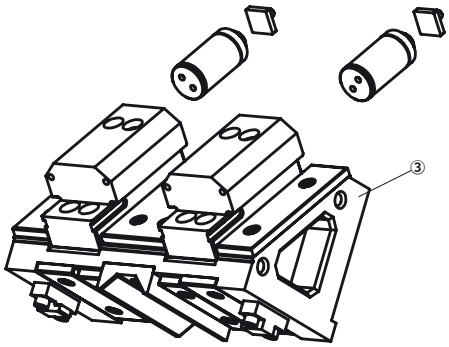
Disassembling process

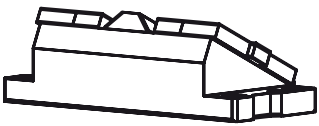
- Loosen hexagoalsocket head bolts and remove ⑱ safety block and ⑯ stopper plate.
- Pull out and remove ③ cam slider from ⑬ cam holder to the rear.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



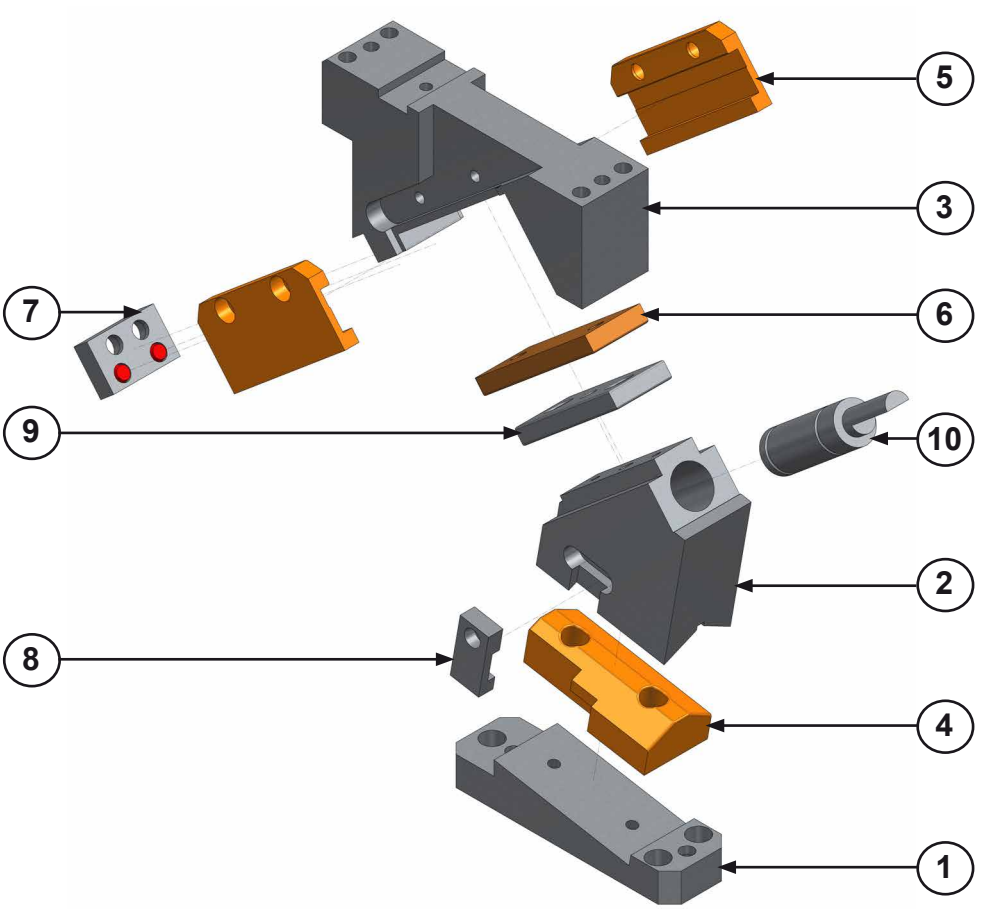




AVPS 0046

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	AFC 200 (see next page)

SPARE PARTS:

④ Cam Slide Guide
⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPS 0046

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	S	24.5 (2.5)	36.8 (3.7)	49.0 (5.0)	46	0º ~ 80º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	20.6	2887	295	AFC 200 038	6.9
05	22.7	2887	295	AFC 200 038	6.9
10	24.9	2887	295	AFC 200 038	6.9
15	27.1	2887	295	AFC 200 038	6.9
20	29.5	2887	295	AFC 200 038	6.8
25	32.0	2887	295	AFC 200 038	6.8
30	34.7	2887	295	AFC 200 038	6.7
35	37.7	2887	295	AFC 200 038	6.8
40	41.1	2887	295	AFC 200 038	6.9
45	45.1	2887	295	AFC 200 038	6.9
50	49.8	2887	295	AFC 200 038	7.0
55	45.3	2715	277	AFC 200 038	7.3
60	46.0	2948	301	AFC 200 025	7.5
65	47.3	2819	288	AFC 200 025	7.9
70	49.7	2689	274	AFC 200 025	8.0
75	50.2	2854	291	AFC 200 025	8.3
80	57.6	2710	283	AFC 200 015	8.6

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
K	Key attached.

Order Options: Model (W) (α) - Option

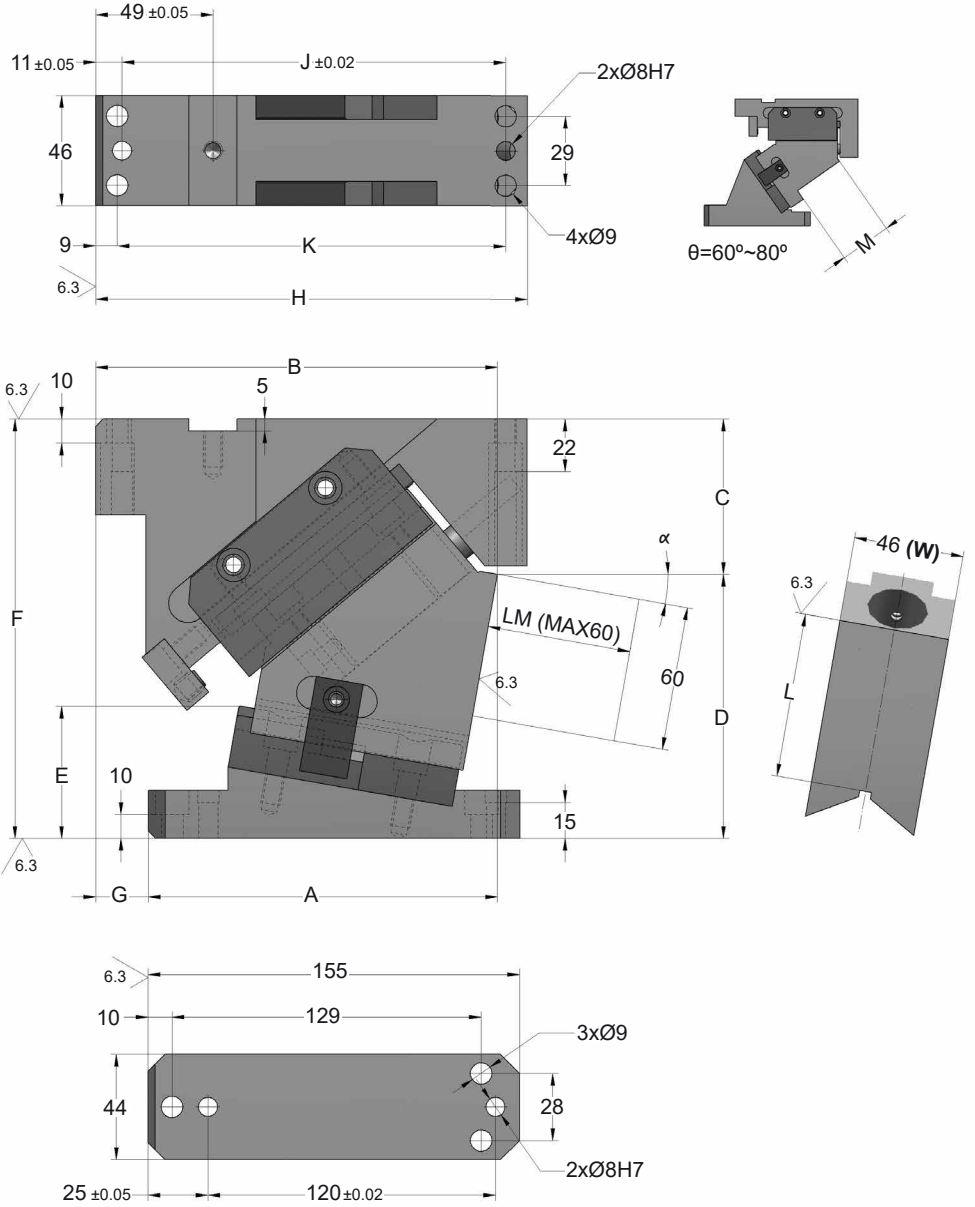
AVPS 0046 05 - LM-K

Standard order example according to catalog sheet.
Add options applying options table contens.

AVPS 0046

Aerial cam for pierce, trim and flange

AZOL GAS



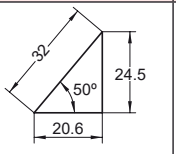
AZOL GAS

AVPS 0046

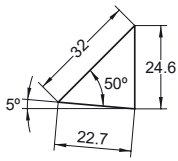
Aerial cam for pierce, trim and flange

α (°)	A	B	C	D	E	F	G	H	J	K	L	M
00	132.00	160.00	57.00	118.00	45.2	175	28	170	150	152	68.5	-
05	138.89	163.89	60.44	114.56	50.6		25	175	155	157	68.5	-
10	145.66	167.66	64.77	110.23	55.4		22	180	160	162	68.5	-
15	152.31	170.31	67.99	107.01	61.8		18	185	165	167	68.5	-
20	158.87	170.87	71.09	103.91	68.7		12	185	165	167	68.5	-
25	164.34	170.34	74.06	100.94	76		6	185	165	167	68.5	-
30	170.72	168.72	76.89	98.11	84.6		-2	185	165	167	68.5	-
35	176.04	167.04	79.58	95.42	92.6		-9	185	165	167	68.5	-
40	185.31	164.31	83.12	91.88	102.3		-21	185	165	167	68.5	-
45	190.54	162.54	85.51	89.49	112.3		-28	185	165	167	68.5	-
50	194.73	156.73	93.74	86.26	119.9	180	-38	180	160	162	68.5	-
55	206.23	161.23	102.82	82.18	109.6	185	-45	180	160	162	83.5	-
60	207.78	157.78	111.81	78.19	112.2	190	-50	180	160	162	-	75
65	217.23	155.23	113.72	81.28	115.2	195	-62	180	160	162	-	75
70	225.36	152.36	115.46	79.54	118.6		-73	180	160	162	-	75
75	235.38	151.38	117.45	77.55	120.6		-84	180	160	162	-	75
80	244.82	150.82	118.42	76.58	126.1		-94	180	160	162	-	80

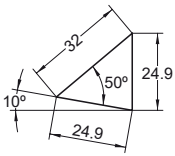
0º



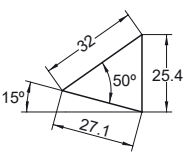
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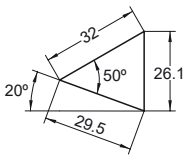
10º



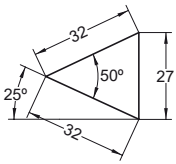
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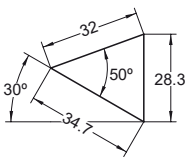
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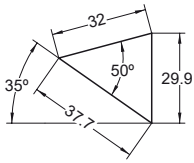
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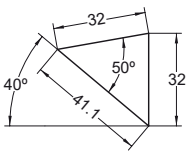
30º



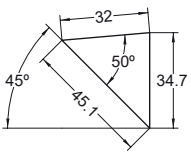
35º



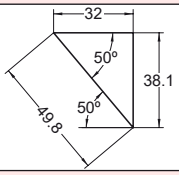
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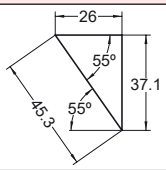
45º



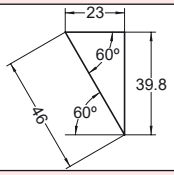
50º



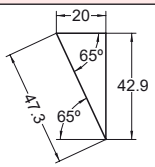
55º



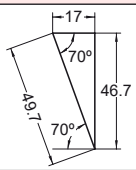
60º



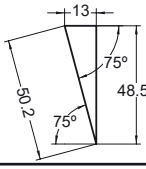
65º



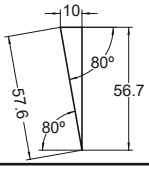
70º



75º



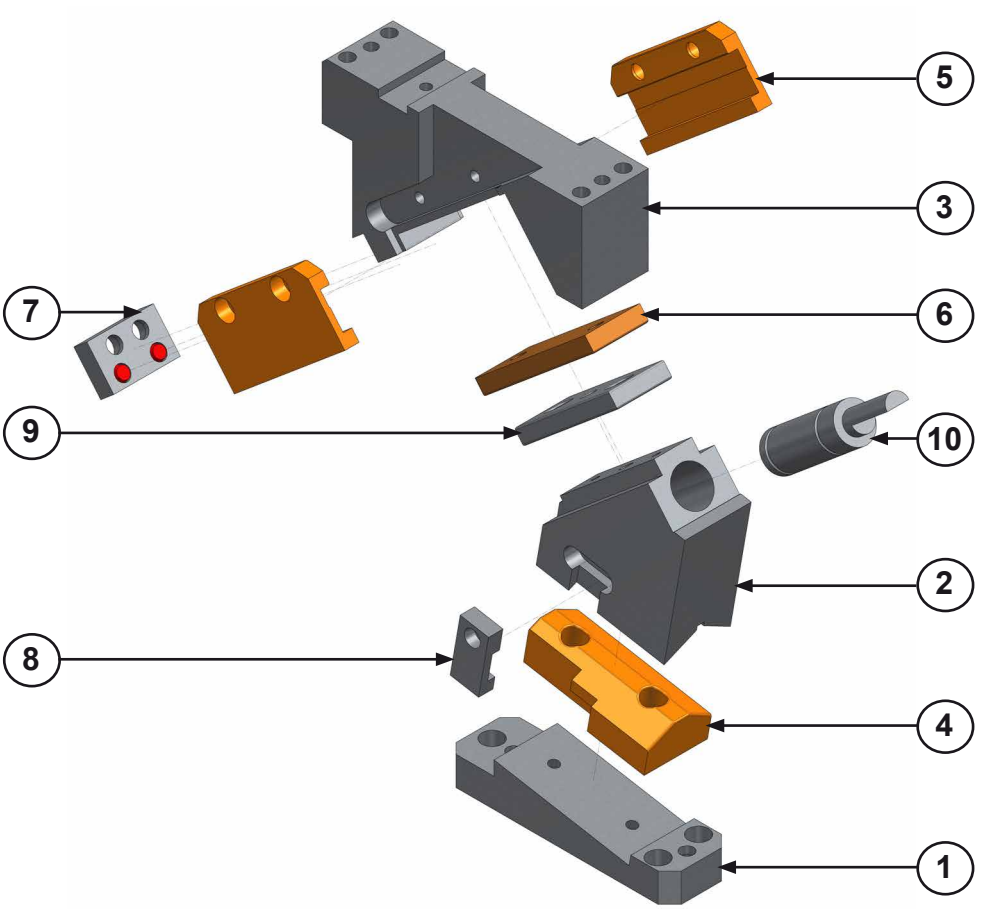
80º



AVPL 0046

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	AFC 200 050

SPARE PARTS:

- ④ Cam Slide Guide
- ⑤ Slide Keeper *
- ⑥ Wear Plate
- ⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0046

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	24.5 (2.5)	36.8 (3.7)	49.0 (5.0)	46	0º ~ 50º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	28.9	2959	302	AFC 200 050	7.3
05	31.9	2959	302	AFC 200 050	7.2
10	35.0	2959	302	AFC 200 050	7.1
15	38.2	2959	302	AFC 200 050	7.2
20	41.5	2959	302	AFC 200 050	7.1
25	45.0	2959	302	AFC 200 050	7.0
30	48.8	2959	302	AFC 200 050	7.0
35	53.1	2959	302	AFC 200 050	7.0
40	57.9	2959	302	AFC 200 050	7.1
45	62.0	2937	300	AFC 200 050	7.0
50	62.2	2850	291	AFC 200 050	7.2

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
K	Key attached.

Order Options: Model (W) (α) - Option

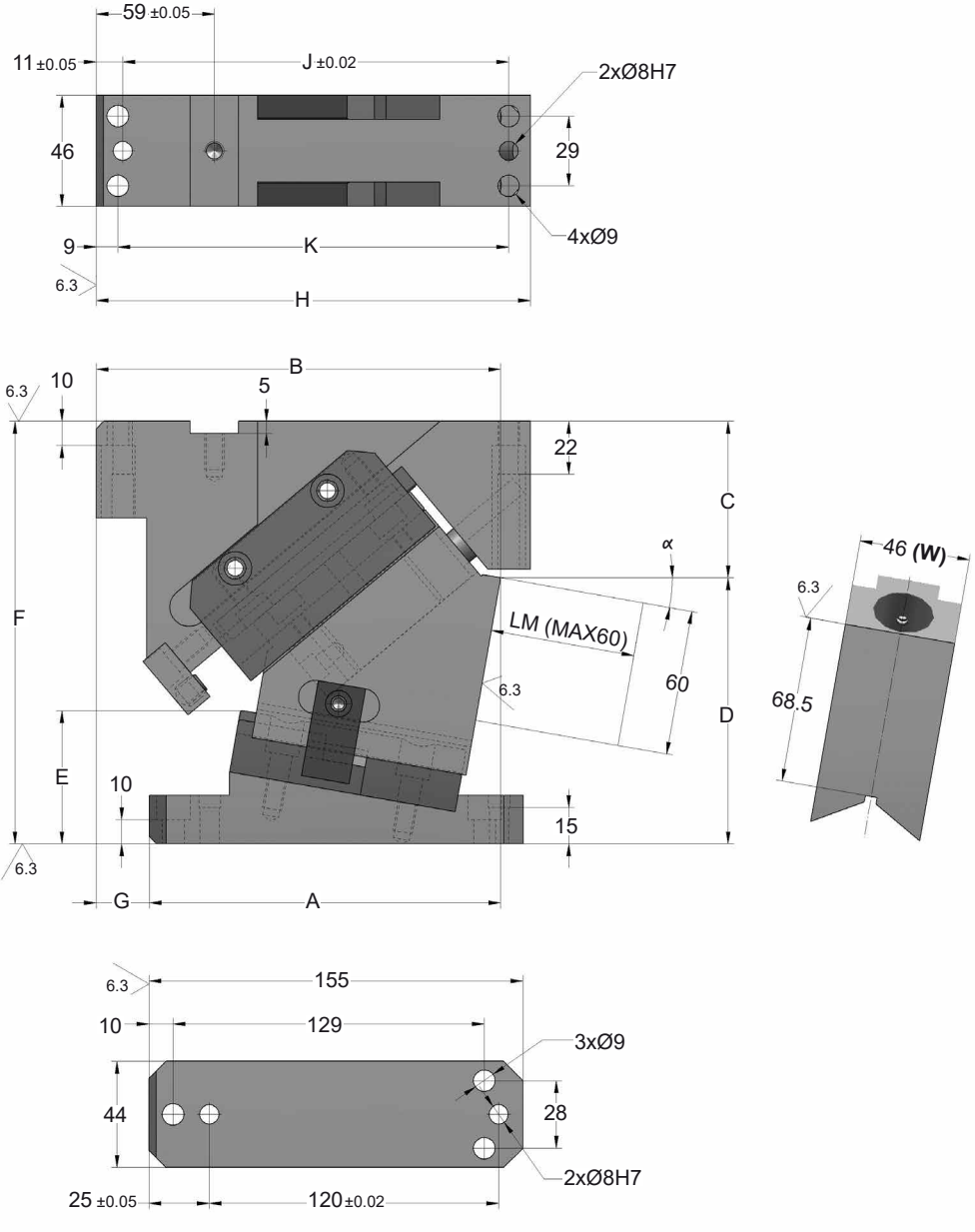
AVPL 0046 05 - LM-K

Standard order example according to catalog sheet.
Add options applying options table contens.

AVPL 0046

Aerial cam for pierce, trim and flange

AZOL GAS

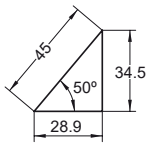
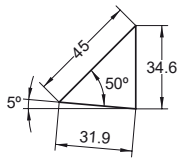
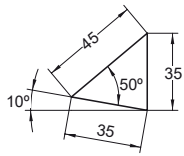
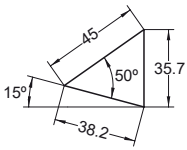
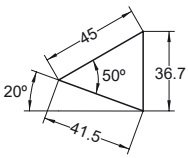
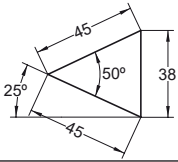
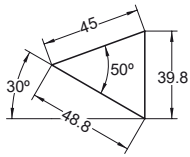
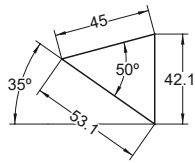
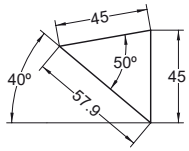
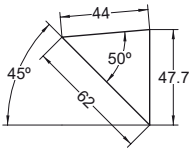
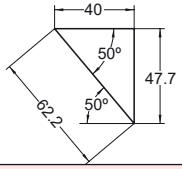


AZOL GAS

AVPL 0046

Aerial cam for pierce, trim and flange

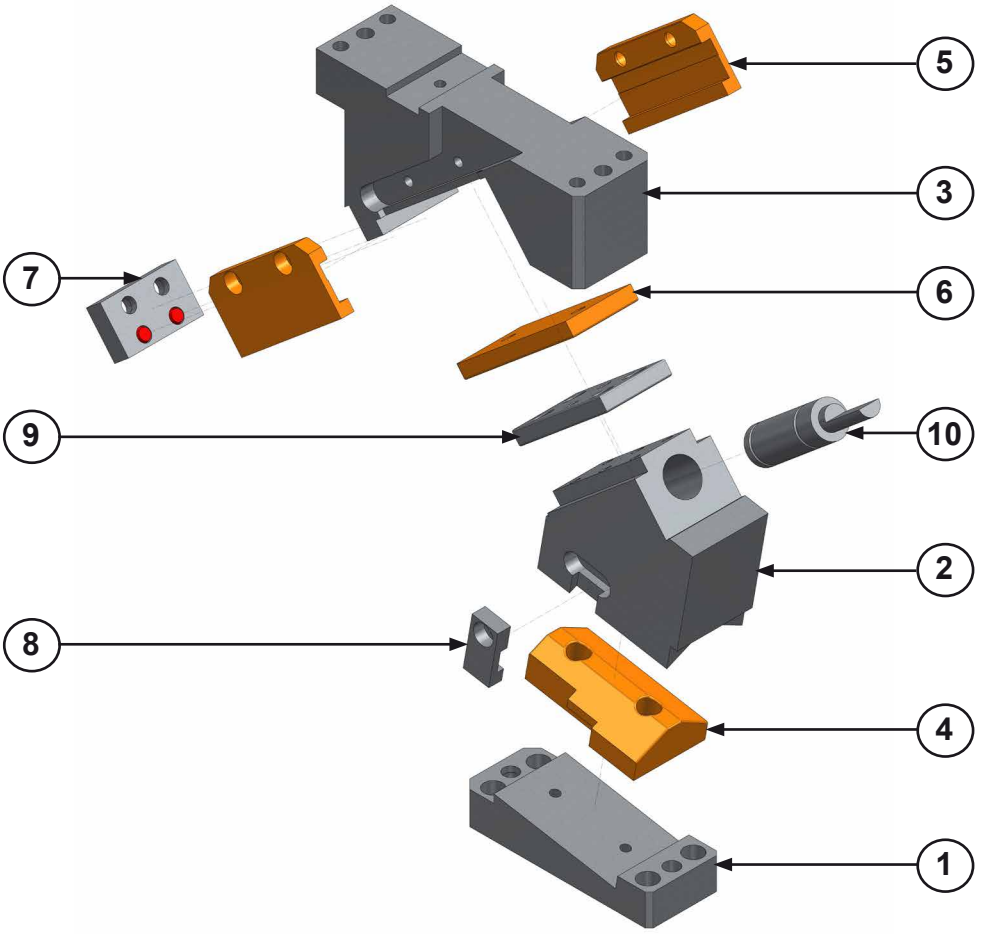
α (°)	A	B	C	D	E	F	G	H	J	K
00	132.00	170.00	57.00	118.00	45.2	175	38	180	160	162
05	138.89	173.89	60.44	114.56	50.6		35	185	165	167
10	145.66	177.66	64.77	110.23	55.4		32	190	170	172
15	152.31	180.31	67.99	107.01	61.8		28	195	175	177
20	158.87	180.87	71.09	103.91	68.7		22	195	175	177
25	164.34	180.34	74.06	100.94	76		16	195	175	177
30	170.72	180.72	76.89	98.11	84.6		10	197	177	179
35	176.04	179.04	79.58	95.42	92.6		3	197	177	179
40	185.31	176.31	83.12	91.88	102.3		-9	197	177	179
45	190.54	172.54	85.51	89.49	112.3		-18	195	175	177
50	194.73	161.73	93.74	86.26	119.9	180	-33	190	170	172

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º				
				

AVPS 0058

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 320 (see next page)

SPARE PARTS:

④ Cam Slide Guide
⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPS 0058

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	S	34.3 (3.5)	51.5 (5.2)	68.6 (7.0)	58	0º ~ 80º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	21.2	4961	506	CW 320 038	9.9
05	23.4	4961	506	CW 320 038	9.9
10	25.7	4961	506	CW 320 038	9.8
15	28.0	4961	506	CW 320 038	9.7
20	30.4	4961	506	CW 320 038	9.7
25	33.0	4961	506	CW 320 038	9.5
30	35.8	4961	506	CW 320 038	9.4
35	38.9	4961	506	CW 320 038	9.4
40	42.4	4961	506	CW 320 038	9.4
45	46.5	4961	506	CW 320 038	9.3
50	51.3	4961	506	CW 320 038	9.5
55	47.1	4630	472	CW 320 038	10.3
60	48.0	5034	514	CW 320 025	10.7
65	49.7	4874	497	CW 320 025	11.1
70	52.6	4896	500	CW 320 025	11.3
75	54.1	4843	494	CW 320 019	11.7
80	63.3	4462	455	CW 320 015	12.2

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
WM	The mounting surface width is extended to 64 mm.
K	Key attached.

Order Options: Model (W) (α) - Option

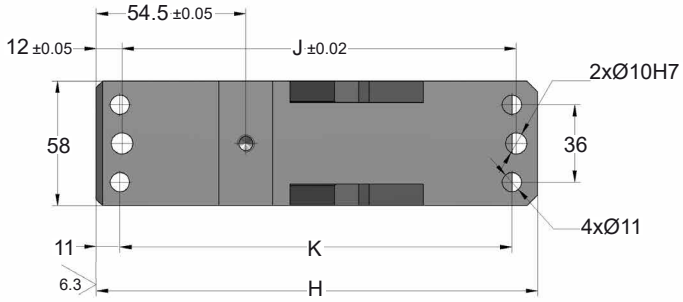
AVPS 0058 05 - LM-WM-K

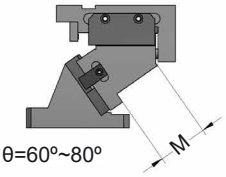
Standard order example according to catalog sheet.
Add options applying options table contens.

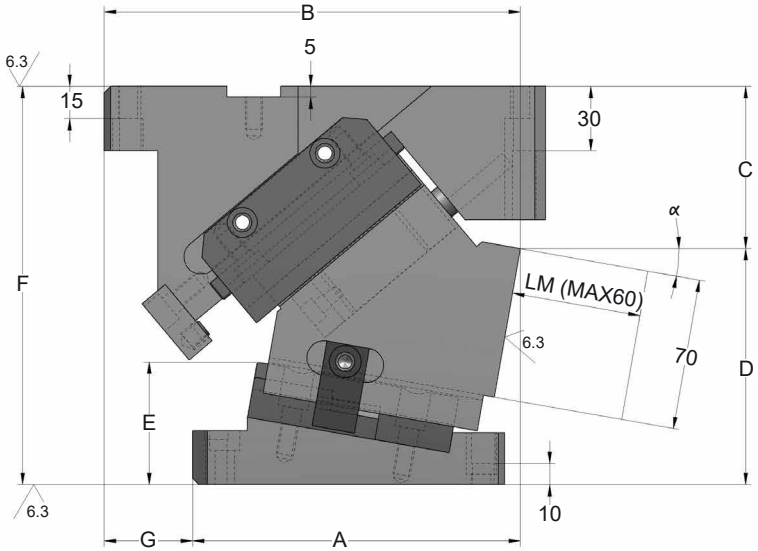
AVPS 0058

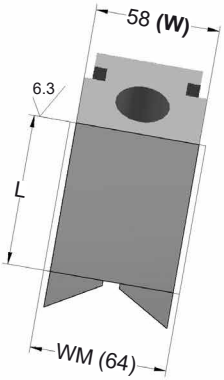
Aerial cam for pierce, trim and flange

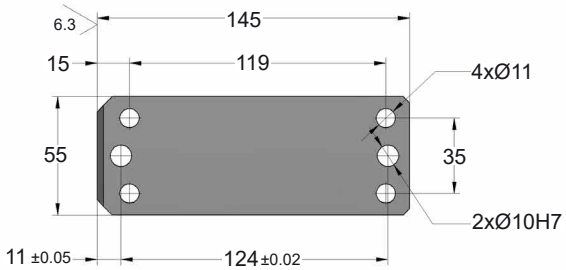
AZOL GAS











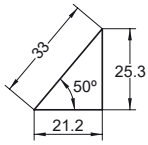
AZOL GAS

AVPS 0058

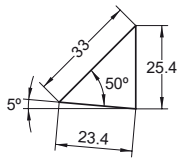
Aerial cam for pierce, trim and flange

α (°)	A	B	C	D	E	F	G	H	J	K	L	M
00	138.00	187.00	66.00	119.00	45.9	185	49	185	163	162	67	-
05	145.75	190.75	70.74	114.26	51.2		45	190	168	167	67	-
10	152.26	193.26	75.36	109.64	56.8		41	195	173	172	67	-
15	159.54	193.54	79.84	105.16	63		34	195	173	172	67	-
20	165.62	194.62	84.16	100.84	69.8		29	200	178	177	67	-
25	171.51	193.51	88.31	96.69	76.9		22	200	178	177	67	-
30	176.21	191.21	92.26	92.74	84.4		15	200	178	177	67	-
35	180.76	188.76	96.00	89.00	92.2		8	200	178	177	67	-
40	185.16	185.16	100.53	84.47	99.2		0	200	178	177	67	-
45	189.44	177.44	103.82	81.18	107.3		-12	195	173	172	67	-
50	193.61	170.61	115.87	74.13	111.4	190	-23	190	168	167	67	-
55	203.29	172.29	123.22	81.78	114.8	205	-31	190	168	167	82	-
60	213.74	169.74	125.87	84.13	119.1	210	-44	190	168	167	-	85
65	220.09	164.09	129.64	85.36	121.6	215	-56	190	168	167	-	83
70	226.70	160.70	131.70	83.30	124.6		-66	190	168	167	-	78
75	236.42	159.42	134.92	80.08	127		-77	190	168	167	-	80
80	244.42	155.42	137.63	77.37	133		-89	190	168	167	-	80

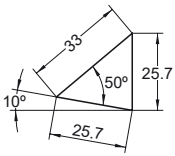
0º



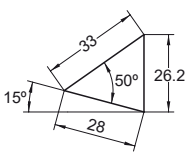
5º



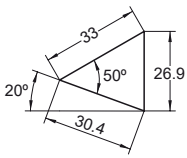
10º



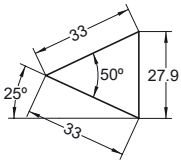
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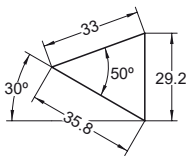
20º



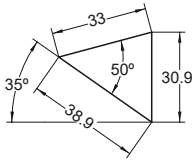
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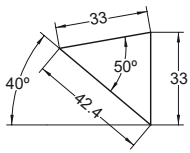
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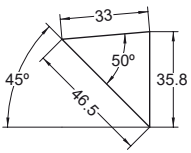
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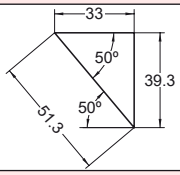
40º



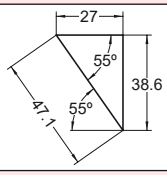
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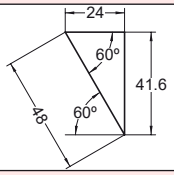
50º



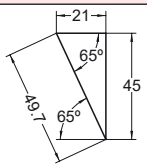
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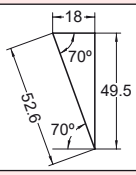
60º



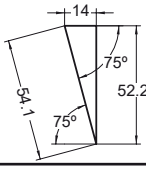
65º



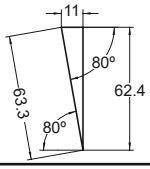
70º



75º



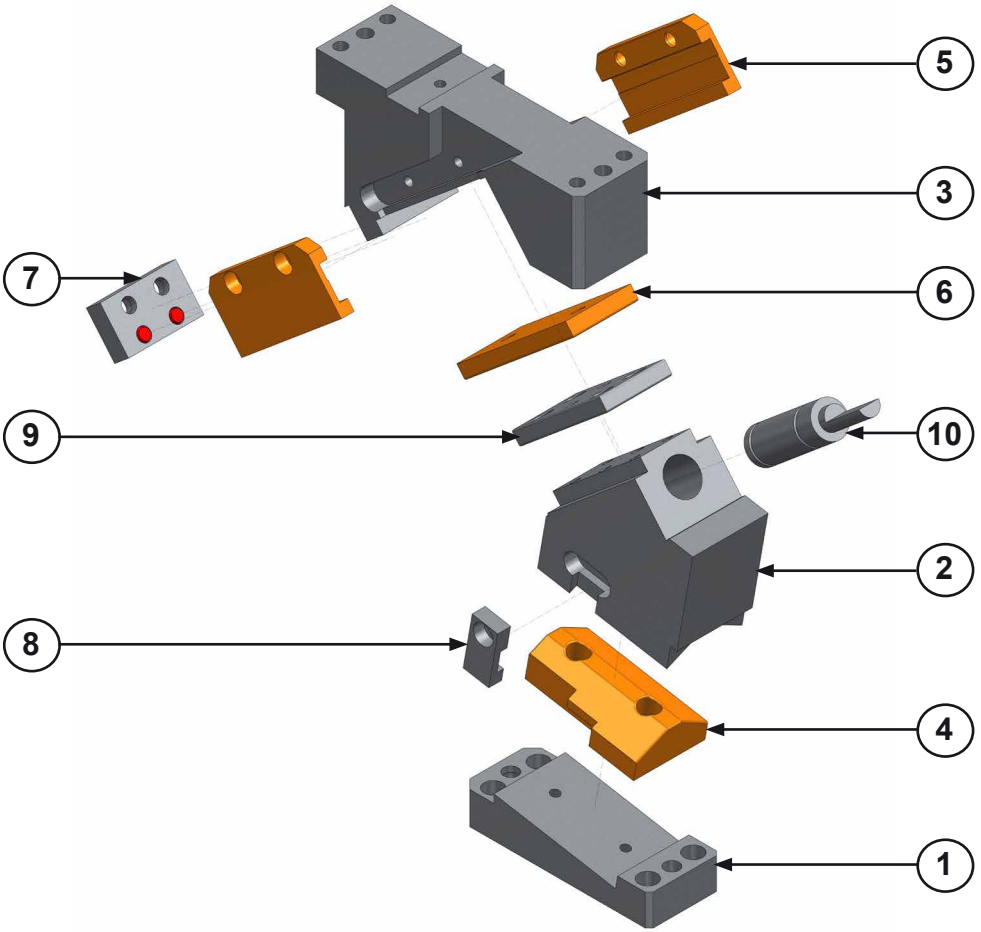
80º



AVPL 0058

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 320 050

SPARE PARTS:

④ Cam Slide Guide
⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0058

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	34.3 (3.5)	51.5 (5.2)	68.6 (7.0)	58	0º ~ 50º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	28.9	5040	514	CW 320 050	10.1
05	31.9	5040	514	CW 320 050	10.1
10	35.0	5040	514	CW 320 050	10.1
15	38.2	5040	514	CW 320 050	10.0
20	41.5	5040	514	CW 320 050	9.9
25	45.0	5040	514	CW 320 050	9.8
30	48.8	5040	514	CW 320 050	9.7
35	53.1	5040	514	CW 320 050	9.6
40	57.9	5040	514	CW 320 050	9.6
45	62.0	4998	510	CW 320 050	9.5
50	62.2	4831	493	CW 320 050	9.8

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
WM	The mounting surface width is extended to 64 mm.
K	Key attached.

Order Options: Model (W) (α) - Option

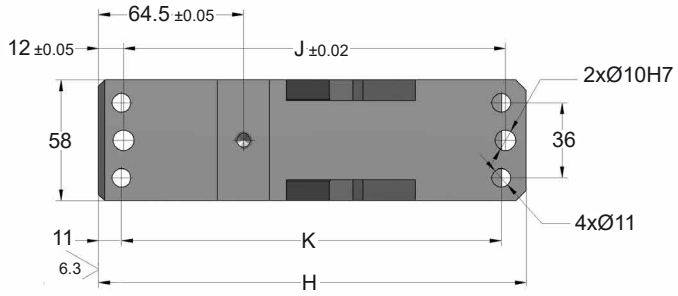
AVPL 0058 05 - LM-WM-K

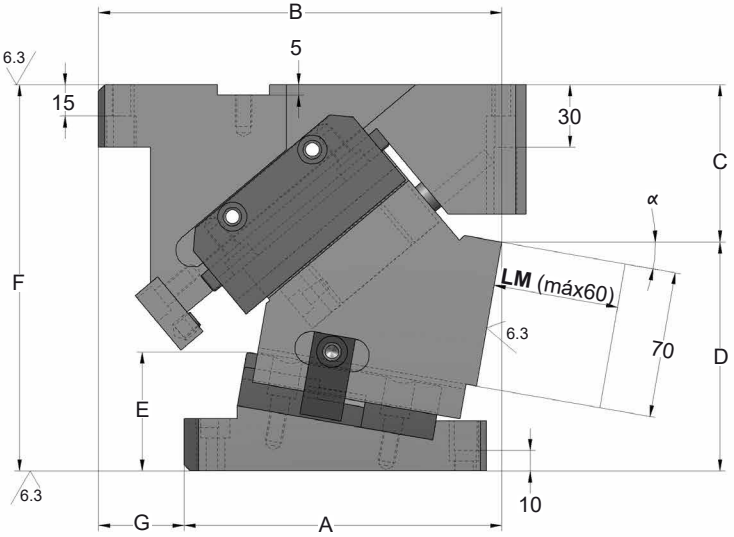
Standard order example according to catalog sheet.
Add options applying options table contens.

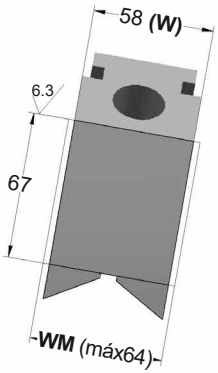
AVPL 0058

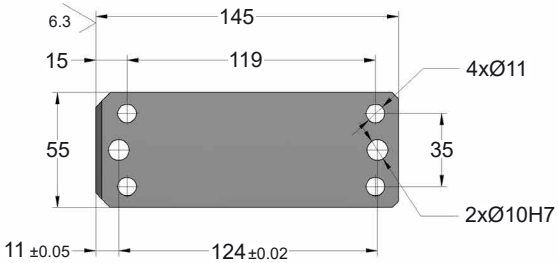
Aerial cam for pierce, trim and flange

AZOL GAS







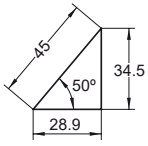
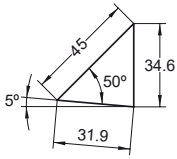
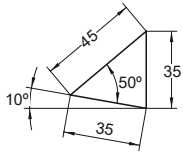
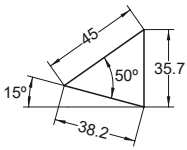
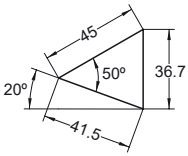
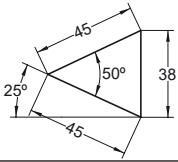
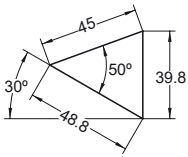
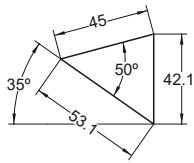
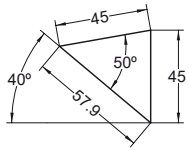
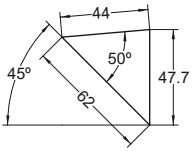
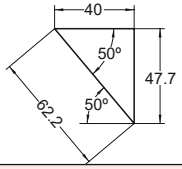


AZOL GAS

AVPL 0058

Aerial cam for pierce, trim and flange

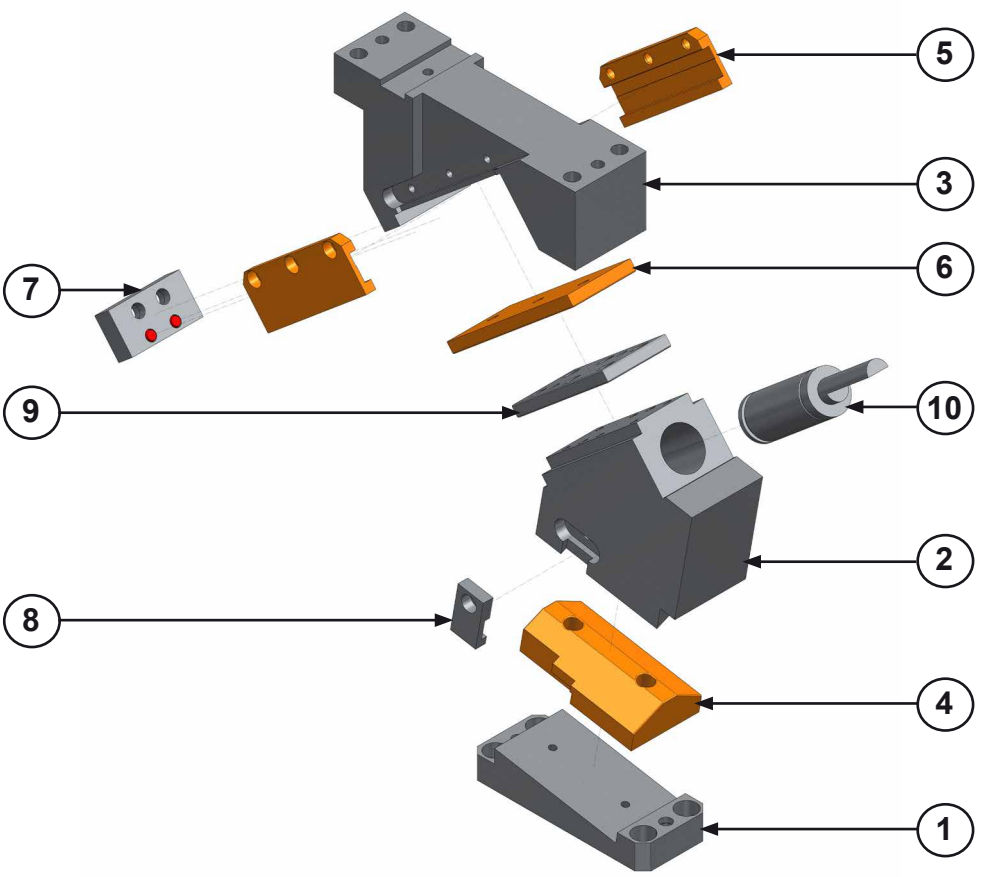
α (°)	A	B	C	D	E	F	G	H	J	K
00	138.00	197.00	66.00	119.00	45.9	185	59	195	173	172
05	145.75	200.75	70.74	114.26	51.2		55	200	178	177
10	152.26	203.26	75.36	109.64	56.8		51	205	183	182
15	159.54	203.54	79.84	105.16	63.0		44	205	183	182
20	165.62	204.62	84.16	100.84	69.8		39	210	188	187
25	171.51	203.51	88.31	96.69	76.9		32	210	188	187
30	176.21	201.21	92.26	92.74	84.4		25	210	188	187
35	180.76	198.76	96.00	89.00	92.2		18	210	188	187
40	185.16	195.16	100.53	84.47	99.2		10	210	188	187
45	189.44	189.44	103.82	81.18	107.3		0	207	185	184
50	193.61	177.61	115.87	74.13	111.4	190	-16	202	180	179

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º				
				

AVPS 0072

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 320 (see next page)

SPARE PARTS:

④ Cam Slide Guide
⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPS 0072

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	S	45.1 (4.6)	67.7 (6.9)	90.2 (9.2)	72	0º ~ 80º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	22.5	6930	707	CW 500 050	19.0
05	24.8	6930	707	CW 500 050	18.9
10	27.2	6930	707	CW 500 050	18.9
15	29.7	6930	707	CW 500 050	19.0
20	32.3	6930	707	CW 500 050	18.9
25	35.0	6930	707	CW 500 050	18.9
30	38.0	6930	707	CW 500 050	18.7
35	41.3	6930	707	CW 500 050	18.6
40	45.0	6930	707	CW 500 050	18.6
45	49.3	6930	707	CW 500 050	18.4
50	54.5	6930	707	CW 500 050	18.9
55	75.0	6793	693	CW 500 050	20.3
60	76.0	6543	668	CW 500 050	20.6
65	75.7	6733	687	CW 500 038	21.0
70	76.0	6647	678	CW 500 032	22.0
75	73.4	6564	670	CW 500 025	22.8
80	74.9	6568	670	CW 500 016	23.8

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
WM	This extends the mounting surface width to 90 mm. When used with LM, the LM maximum is 55.
K	Key attached.

Order Options: Model (W) (α) - Option

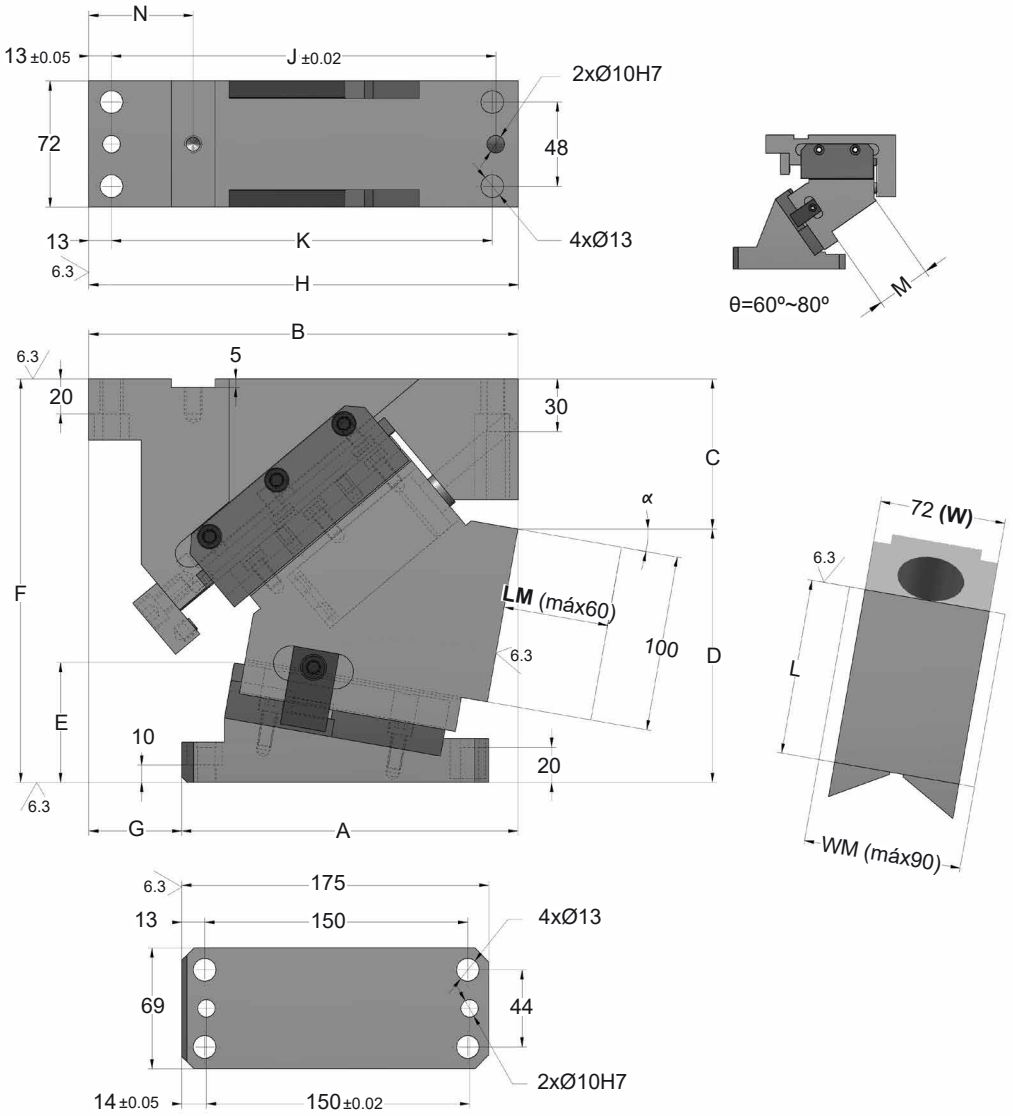
AVPS 0072 05 - LM-WM-K

Standard order example according to catalog sheet. Add options applying options table contens.

AVPS 0072

Aerial cam for pierce, trim and flange

AZOL GAS



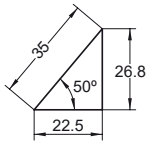
AZOL GAS

AVPS 0072

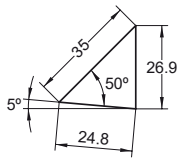
Aerial cam for pierce, trim and flange

α (°)	A	B	C	D	E	F	G	H	J	K	L	M	N
00	172.00	236.00	72.00	158.00	54.9	230	64	235	209	207	96	-	59.5
05	182.43	240.43	78.86	151.14	61.2		58	240	214	212	96	-	59.5
10	191.54	244.54	85.57	144.43	68.1		53	245	219	217	96	-	59.5
15	201.33	247.33	92.10	137.90	75.8		46	250	224	222	96	-	59.5
20	208.81	248.81	98.43	131.57	84.3		40	255	229	227	96	-	59.5
25	217.02	247.02	104.52	125.48	93.3		30	255	229	227	96	-	59.5
30	224.97	242.97	110.36	119.64	102.9		18	255	229	227	96	-	59.5
35	231.68	239.68	115.92	114.08	112.8		8	255	229	227	96	-	59.5
40	238.19	234.19	122.18	107.82	122.0		-4	255	229	227	96	-	59.5
45	243.51	226.51	126.13	103.87	133.5		-17	250	224	222	96	-	59.5
50	248.67	219.67	141.76	93.24	138.0	235	-29	245	219	217	96	-	59.5
55	251.57	226.57	147.13	102.87	144.5	250	-25	253	227	225	106	-	67.5
60	260.14	222.14	148.30	106.70	149.1		-38	253	227	225	-	105	67.5
65	269.24	216.24	150.83	104.17	151.2		-53	253	227	225	-	105	67.5
70	288.09	214.09	152.28	102.72	153.6	255	-74	253	227	225	-	115	67.5
75	300.78	209.78	154.27	100.73	156.4		-91	253	227	225	-	120	67.5
80	314.84	205.84	159.85	95.15	157.5		-109	253	227	225	-	125	67.5

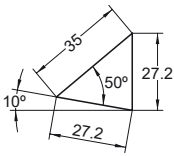
0º



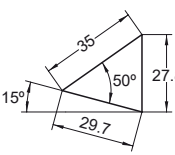
5º



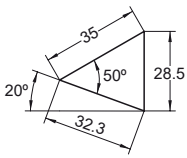
10º



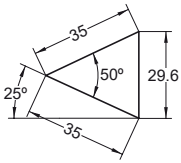
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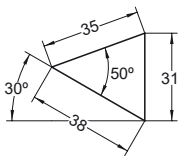
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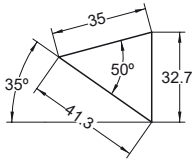
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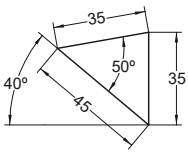
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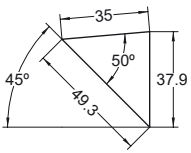
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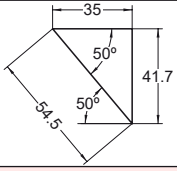
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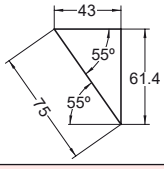
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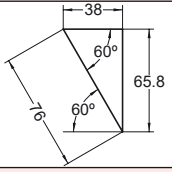
50º



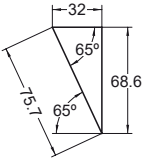
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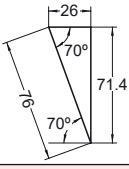
60º



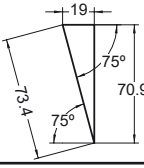
65º



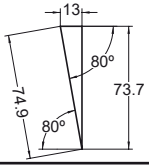
70º



75º



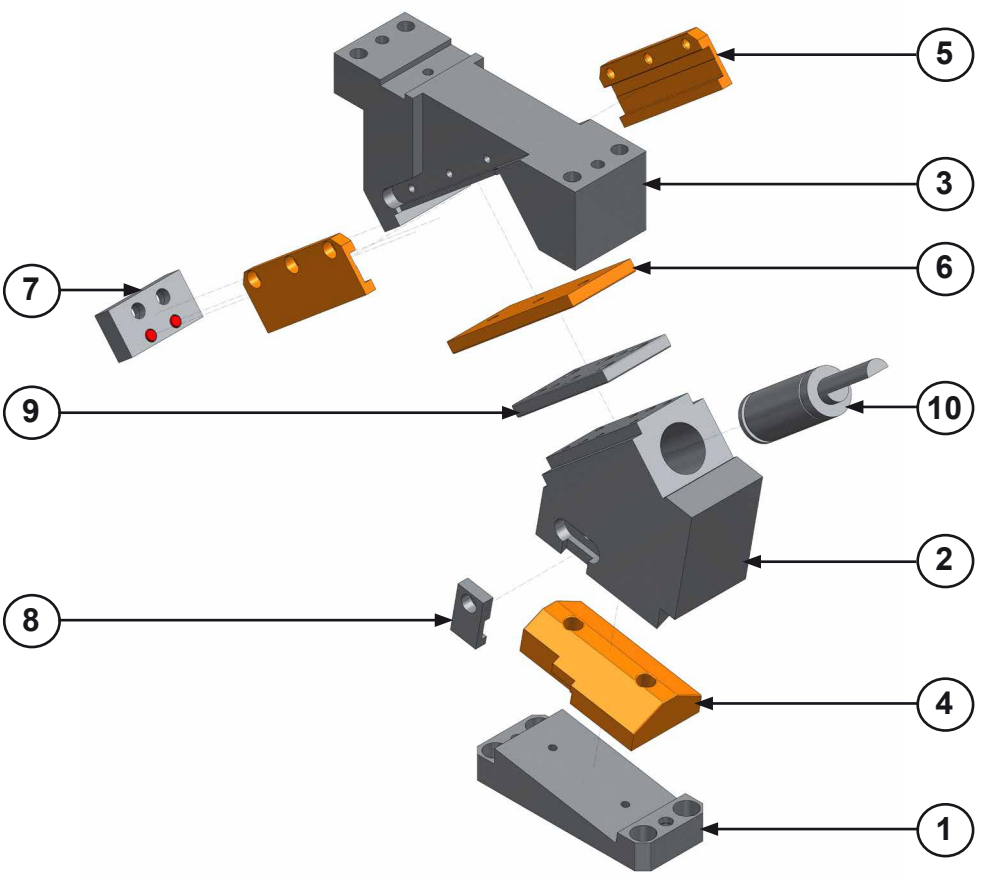
80º



AVPL 0072

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	1	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 320 063

SPARE PARTS:

④ Cam Slide Guide
⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0072

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	45.1 (4.6)	67.7 (6.9)	90.2 (9.2)	72	0º ~ 50º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	6836	698	CW 500 063	19.4
05	39.0	6836	698	CW 500 063	19.3
10	42.8	6836	698	CW 500 063	19.3
15	46.6	6836	698	CW 500 063	19.4
20	50.7	6836	698	CW 500 063	19.4
25	55.0	6836	698	CW 500 063	19.3
30	59.7	6836	698	CW 500 063	19.1
35	64.9	6836	698	CW 500 063	19.0
40	70.7	6836	698	CW 500 063	19.1
45	74.7	6757	689	CW 500 063	18.8
50	77.8	6638	677	CW 500 063	19.3

Options:

OPTION CODE	OPTION CODE DESCRIPTION
LM	Extend the mounting surface forward from 1 to 60 mm (at increments of 1 mm). (See drawing on next page)
WM	This extends the mounting surface width to 90 mm. When used with LM, the LM maximum is 55.
K	Key attached.

Order Options: Model (W) (α) - Option

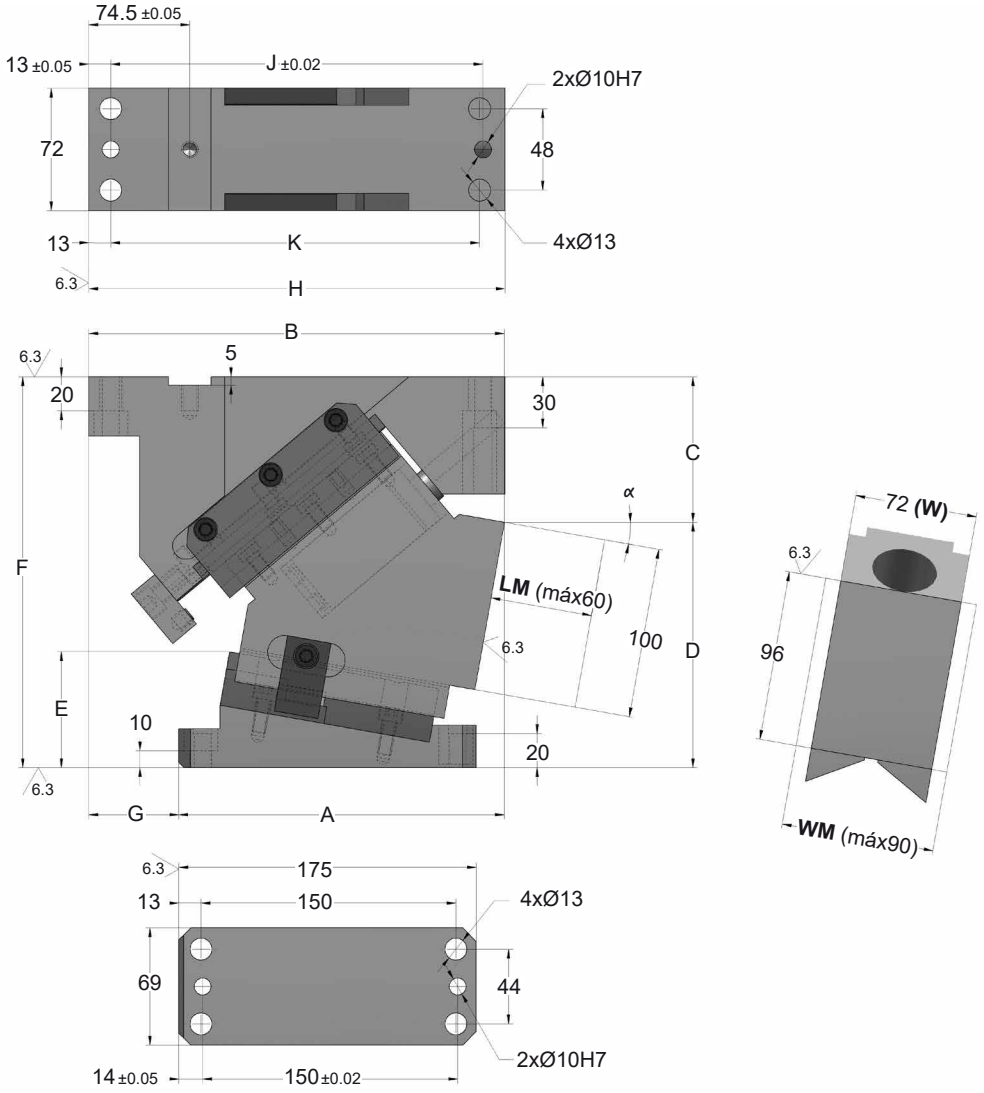
AVPL 0072 05 - LM-WM-K

Standard order example according to catalog sheet. Add options applying options table contens.

AVPL 0072

Aerial cam for pierce, trim and flange

AZOL GAS

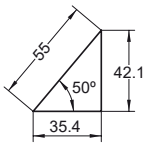
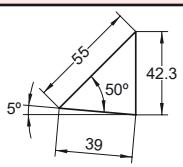
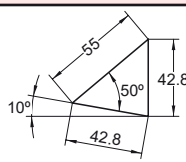
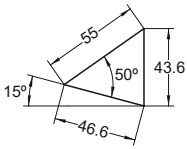
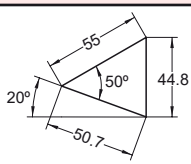
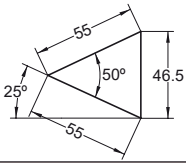
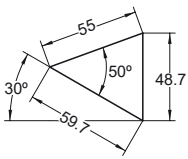
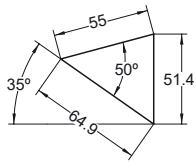
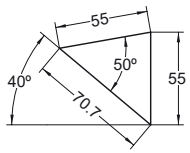
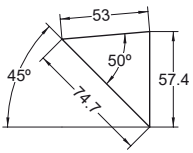
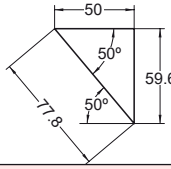


AZOL GAS

AVPL 0072

Aerial cam for pierce, trim and flange

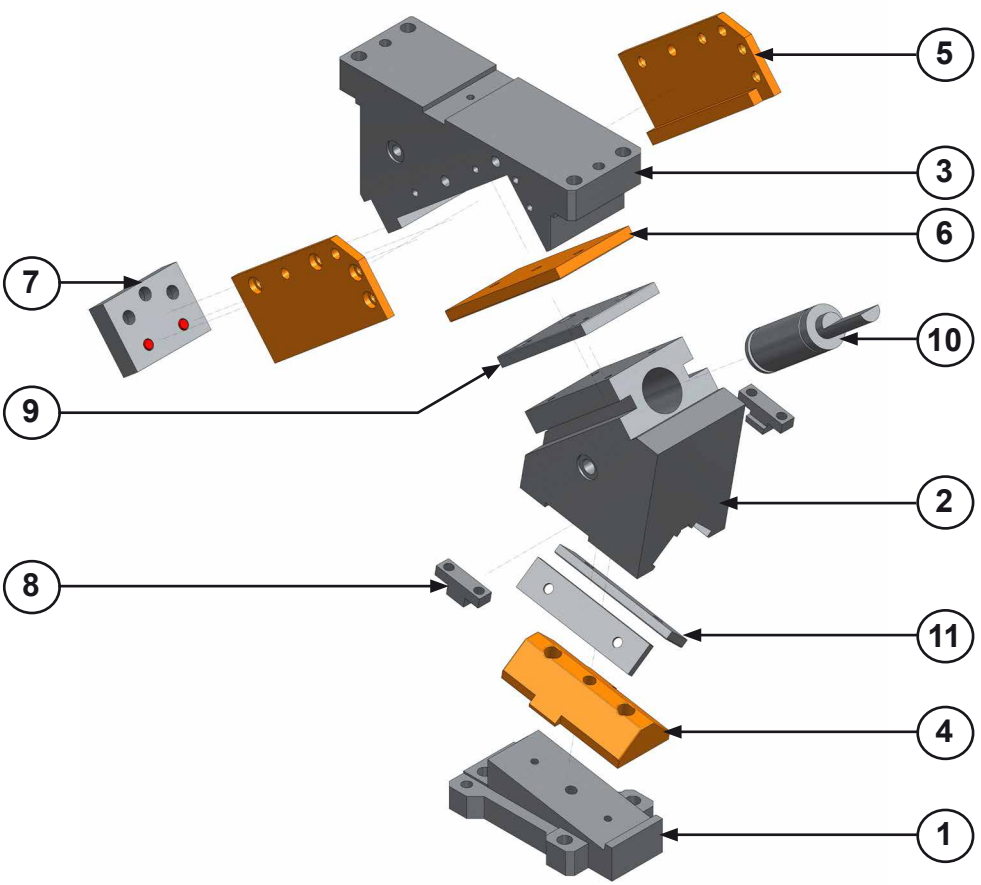
α (°)	A	B	C	D	E	F	G	H	J	K
00	172.00	251.00	72.00	158.00	54.9	230	79	250	224	222
05	182.43	255.43	78.86	151.14	61.2		73	255	229	227
10	191.54	259.54	85.57	144.43	68.1		68	260	234	232
15	201.33	262.33	92.10	137.90	75.8		61	265	239	237
20	208.81	263.81	98.43	131.57	84.3		55	270	244	242
25	217.02	262.02	104.52	125.48	93.3		45	270	244	242
30	224.97	262.97	110.36	119.64	102.9		38	275	249	247
35	231.68	259.68	115.92	114.08	112.8		28	275	249	247
40	238.19	254.19	122.18	107.82	122.0		16	275	249	247
45	243.51	246.51	126.13	103.87	133.5		3	270	244	242
50	248.67	234.67	141.76	93.24	138.0	235	-14	265	239	237

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º				
				

AVPL 0100

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	2	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 500 (see next page)
11	Cam Slider Plate	2	1.2312 HRC 58-60

SPARE PARTS:

⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring
⑪ Cam Slider Plate *

* - Served in pairs

AZOL GAS

AVPL 0100

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	77.4 (7.9)	116.1 (11.8)	139.2 (14.2)	100	0º ~ 70º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	6836	698	CW 500 063	29.1
05	39.0	6836	698	CW 500 063	29.0
10	42.8	6836	698	CW 500 063	28.7
15	46.6	6836	698	CW 500 063	28.5
20	50.7	6836	698	CW 500 063	28.5
25	55.0	6836	698	CW 500 063	28.4
30	59.7	6836	698	CW 500 063	28.2
35	64.9	6836	698	CW 500 063	28.2
40	70.7	6836	698	CW 500 063	28.1
45	77.5	6836	698	CW 500 063	28.2
50	85.6	6836	698	CW 500 063	28.9
55	81.9	6993	714	CW 500 050	30.1
60	82.0	6693	683	CW 500 050	31.0
65	82.8	6930	707	CW 500 038	31.4
70	81.9	6803	694	CW 500 032	32.1

Options:

OPTION CODE	OPTION CODE DESCRIPTION
K	Key attached.

Order Options: Model (W) (α) - Option

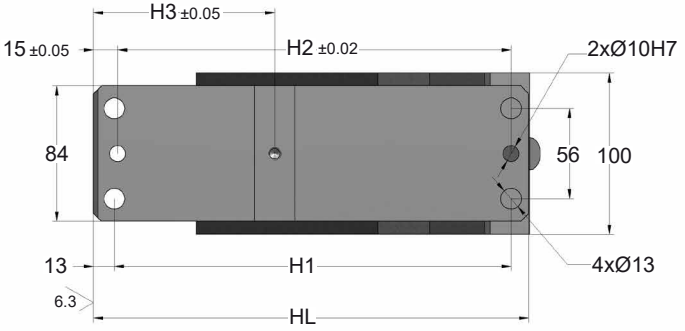
AVPL 0100 05 - K

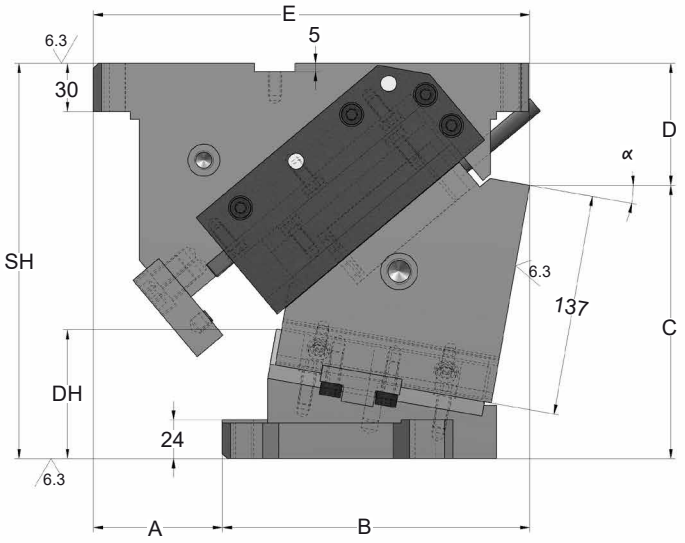
Standard order example according to catalog sheet.
Add options applying options table contens.

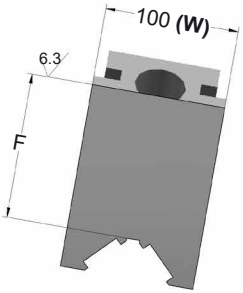
AVPL 0100

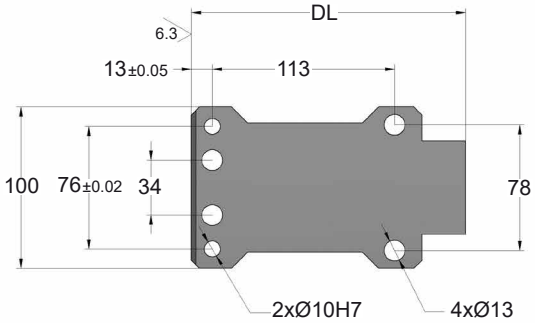
Aerial cam for pierce, trim and flange

AZOL GAS







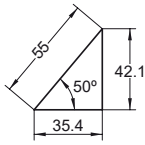
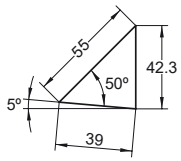
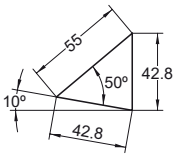
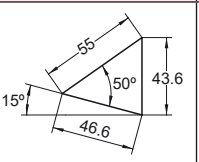
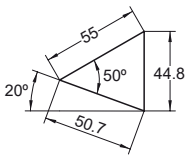
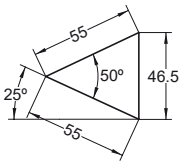
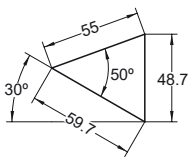
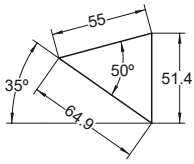
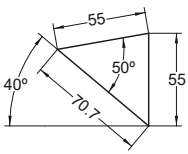
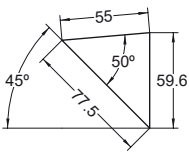
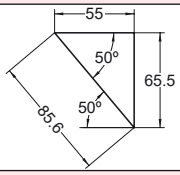
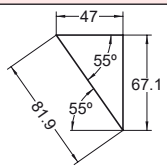
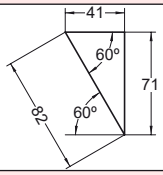
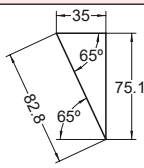
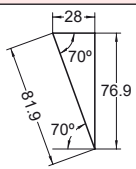


AZOL GAS

AVPL 0100

Aerial cam for pierce, trim and flange

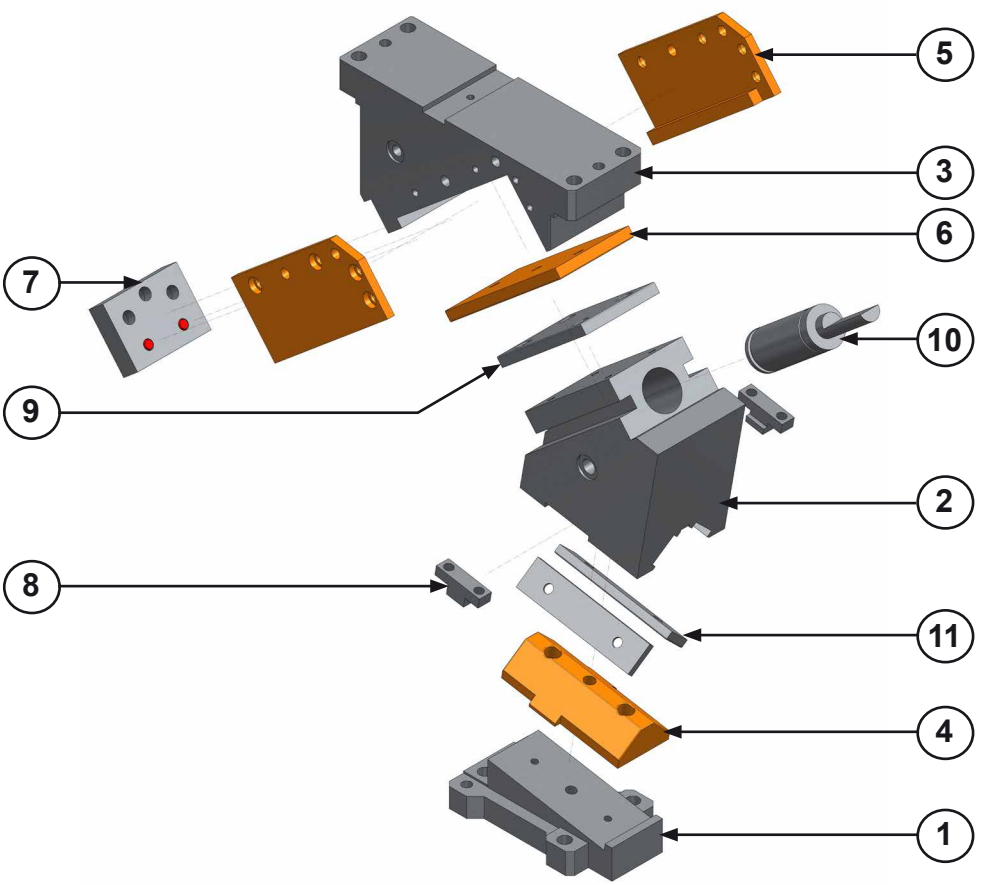
α (°)	SH	A	B	C	D	E	F	DL	DH	HL	H1	H2	H3
00	245	93	167	182	63	260	108	170	67	260	236	234	112.5
05		88	178.96	175.12	69.88	266.96			72.5	265	241	239	
10		80	190.58	169.34	75.66	270.58			79.9	270	246	244	
15		70	203.88	162.69	82.31	273.88			87.1	275	251	249	72.5
20		59	216.87	155.21	89.79	275.87			94	280	256	254	
25		50	227.56	147.92	97.08	277.56			101.6	285	261	259	
30		39	235.97	139.84	105.16	274.97			108.7				
35		26	246.13	130	115	272.13			114.4				
40		15	252.04	121.41	123.59	267.04		165	121.4				
45		9	256.75	113.11	131.89	265.75		160	128.7	290	266	264	102.5
50	250	2	264.26	103.10	146.90	266.26			134.5	295	271	269	
55	260	-12	273.55	109.44	150.56	261.55	110	155	140.2				
60	270	-25	280.64	113.56	156.44	255.64			147.5				
65		-39	291.60	114.58	155.42	252.60	115	150	150.9				
70		-55	305.82	112.91	157.09	250.82	120		157.2				

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º	**55º**	**60º**	**65º**	**70º**
				

AVPL 0140

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Cam Slide Guide	1	Copper alloy
5	Slide Keeper	2	Copper alloy
6	Wear Plate	1	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	2	S45C
9	Slide Plate	1	1.2312 HRC 58-60
10	Gas Spring	1	CW 750 (see next page)
11	Cam Slider Plate	2	1.2312 HRC 58-60

SPARE PARTS:

⑤ Slide Keeper *
⑥ Wear Plate
⑩ Gas Spring
⑪ Cam Slider Plate *

* - Served in pairs

AZOL GAS

AVPL 0140

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	127.4 (13.0)	159.3 (16.3)	191.1 (19.5)	140	0º ~ 70º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	11162	1139	CW 750 063	47.3
05	39.0	11162	1139	CW 750 063	46.8
10	42.8	11162	1139	CW 750 063	46.3
15	46.6	11162	1139	CW 750 063	45.9
20	50.7	11162	1139	CW 750 063	45.7
25	55.0	11162	1139	CW 750 063	45.5
30	59.7	11162	1139	CW 750 063	45.3
35	64.9	11162	1139	CW 750 063	45.6
40	70.7	11162	1139	CW 750 063	46.4
45	77.5	11162	1139	CW 750 063	47.8
50	85.6	11162	1139	CW 750 063	49.3
55	81.9	11438	1167	CW 750 050	50.9
60	82.0	10911	1113	CW 750 050	51.7
65	82.8	11327	1156	CW 750 038	53.0
70	81.9	11103	1133	CW 750 032	53.3

Options:

OPTION CODE	OPTION CODE DESCRIPTION
K	Key attached.

Order Options: Model (W) (α) - Option

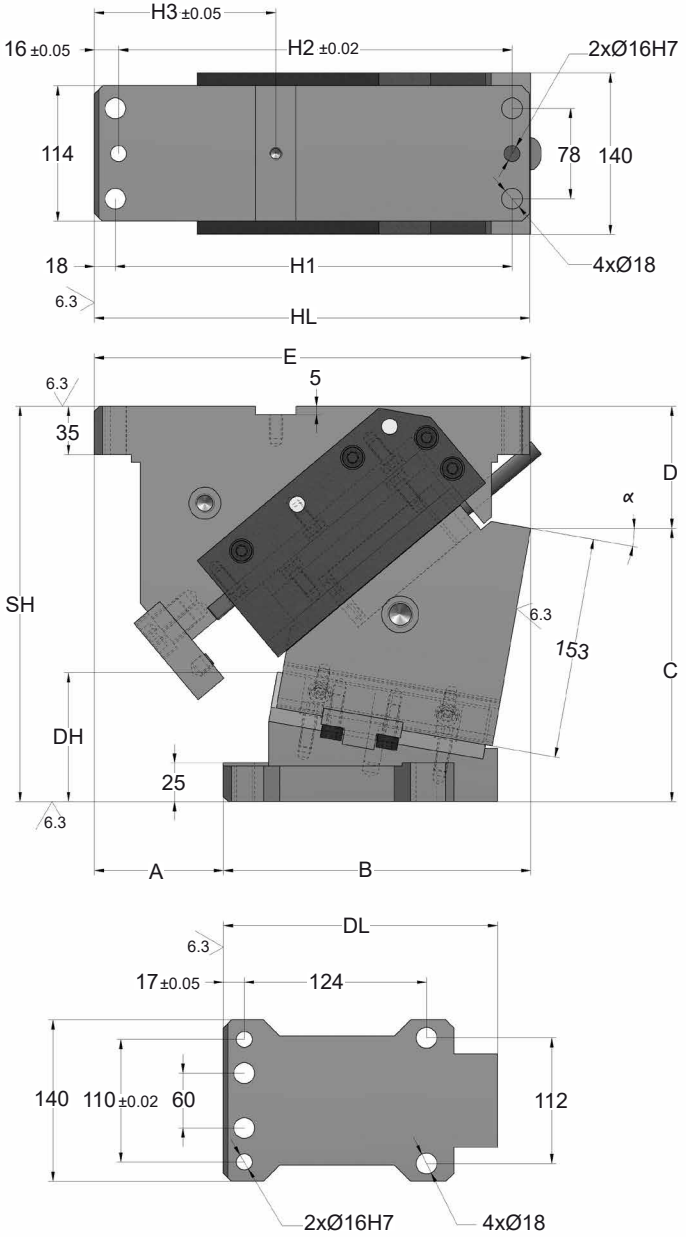
AVPL 0140 05 - K

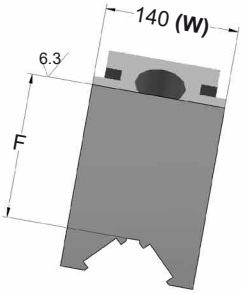
Standard order example according to catalog sheet.
Add options applying options table contens.

AVPL 0140

Aerial cam for pierce, trim and flange

AZOL GAS



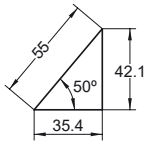
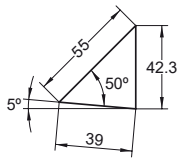
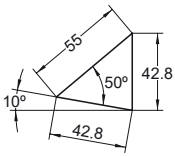
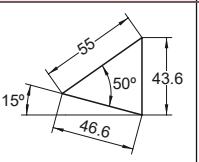
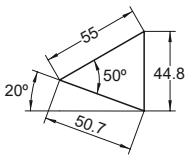
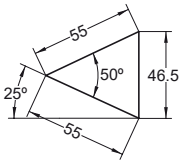
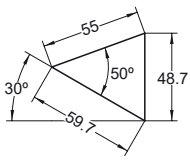
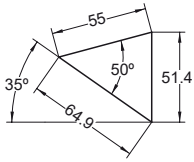
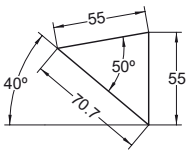
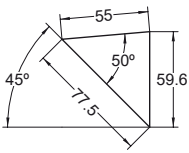
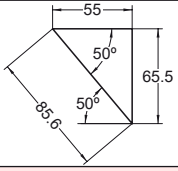
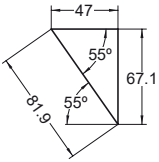
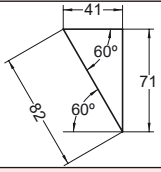
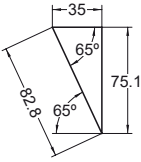
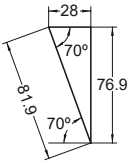


AZOL GAS

AVPL 0140

Aerial cam for pierce, trim and flange

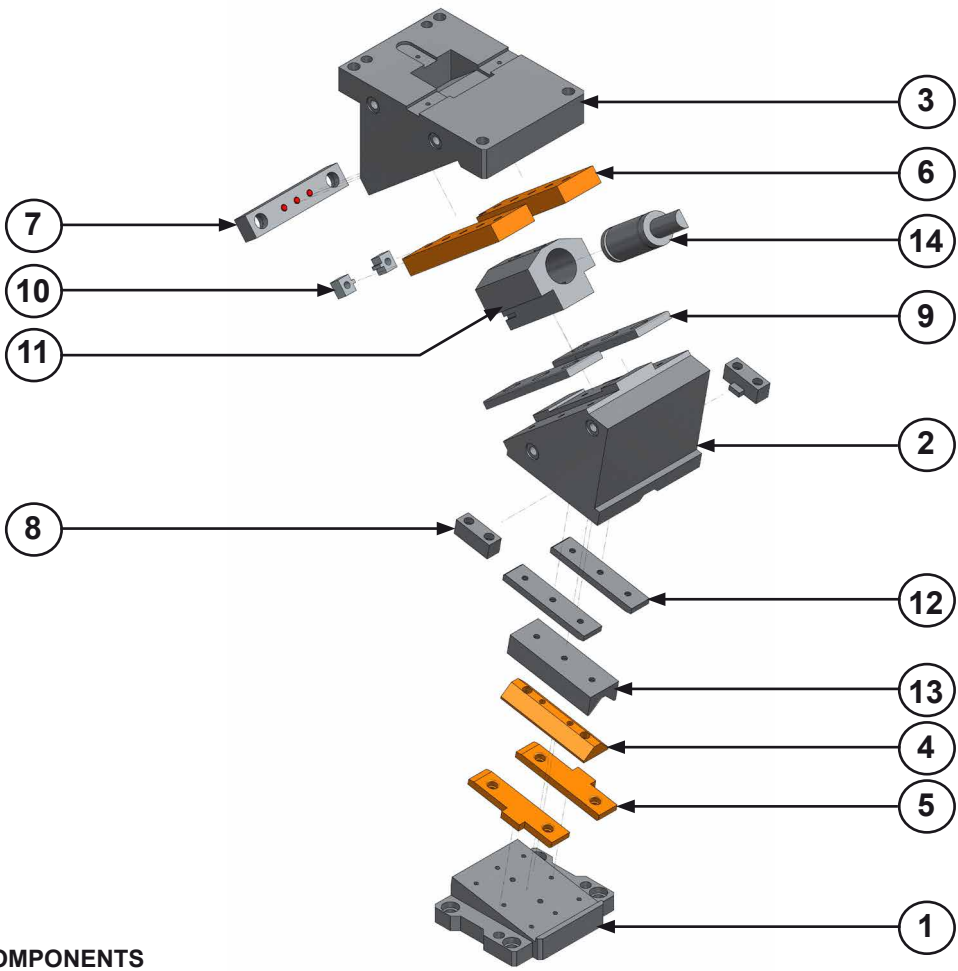
α (°)	SH	A	B	C	D	E	F	DL	DH	HL	H1	H2	H3
00	275	105	175	202	73	280	113	180	81.7	280	247	249	122.5
05		97	188.85	197.60	77.40	285.85			89.7	285	252	254	
10		87	203.32	193.31	81.69	290.32			98.6	290	257	259	
15		75	217.42	186.18	88.82	292.42			105.4	295	262	264	82.5
20		63	231.16	179.22	95.78	294.16			113	300	267	269	
25		51	243.57	171.48	103.52	294.57			120.3	305	272	274	
30		37	255.67	161.97	113.03	292.67			126.3				
35		23	267.47	151.74	123.26	290.47			131.8	310	277	279	
40	280	9	277	140.79	139.21	286			136.7				
45	285	-3	287.28	129.16	155.84	284.28			141	315	282	284	122.5
50	290	-8	292.36	118.86	171.14	284.36		175	146.9	325	292	294	
55	295	-26	303.54	118.80	176.20	277.54	115		148.8				
60	300	-39	312.88	122.97	177.03	273.88		170	155.2				
65	305	-54	324.56	124.24	180.76	270.56	120		159.1				
70		-61	327	122.59	182.41	266		161	166.9				

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º	**55º**	**60º**	**65º**	**70º**
				

AVPL 0200

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Slide Guide A	1	Copper alloy
5	Driver Plate	2	Copper alloy
6	Holder Plate	1L / 1R	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	2	S45C
9	Slider Plate 1	2	1.2312 HRC 58-60
10	Safety Block	2	S45C
11	Spring Guide Block	1	GGG60
12	Slide Plate 2	2	1.2312 HRC 58-60
13	Slide Guide B	1	1.2312 HRC 58-60
14	Gas Spring	1	CW 1000 (see next page)

④ and ⑤ must be ordered at same time

SPARE PARTS:

④ Slide Guide A
⑤ Driver Plate *
⑥ Holder Plate *
⑭ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0200

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	164.6 (16.8)	197.6 (20.1)	230.5 (23.5)	200	0º ~ 70º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	15910	1623	CW 1000 063	89
05	39.0	15910	1623	CW 1000 063	89
10	42.8	15910	1623	CW 1000 063	89
15	46.6	15910	1623	CW 1000 063	88
20	50.7	15910	1623	CW 1000 063	87
25	55.0	15910	1623	CW 1000 063	85
30	59.7	15910	1623	CW 1000 063	85
35	64.9	15910	1623	CW 1000 063	84
40	70.7	15910	1623	CW 1000 063	85
45	77.5	15910	1623	CW 1000 063	87
50	85.6	15910	1623	CW 1000 063	86
55	95.9	15910	1623	CW 1000 063	90
60	110.0	15910	1623	CW 1000 063	89
65	118.3	15030	1533	CW 1000 063	91
70	119.9	15040	1534	CW 1000 063	95

Options:

OPTION CODE	OPTION CODE DESCRIPTION
K	Key attached.

Order Options: Model (W) (α) - Option

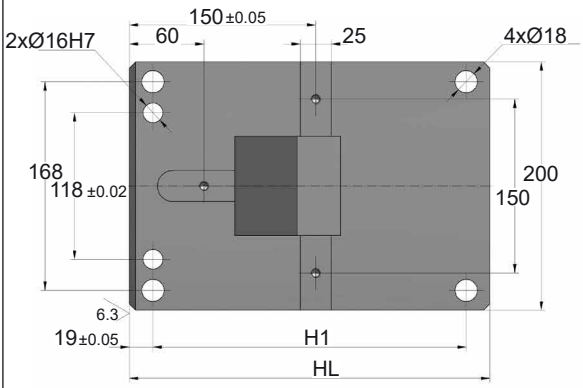
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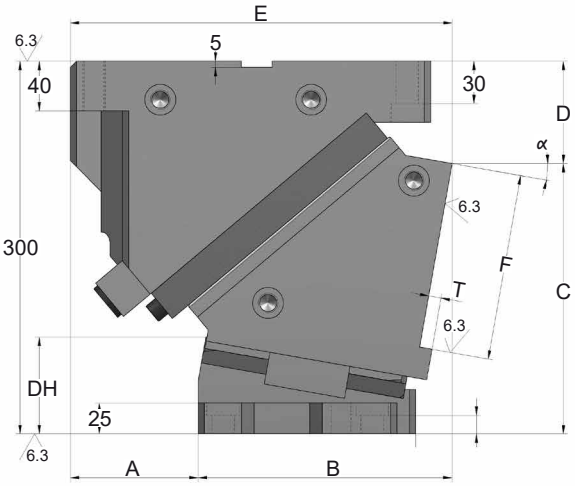
Standard order example according to catalog sheet.
Add options applying options table contens.

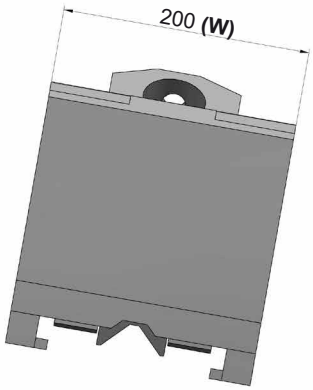
AVPL 0200

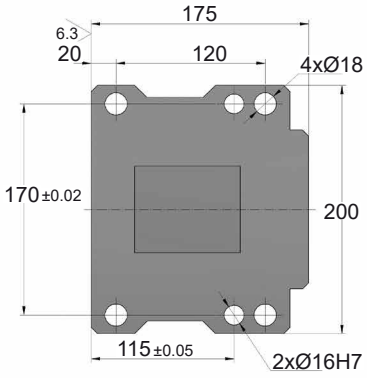
Aerial cam for pierce, trim and flange

AZOL GAS







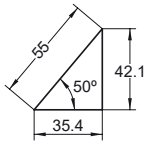
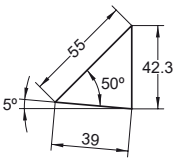
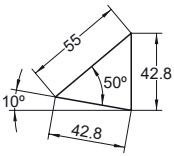
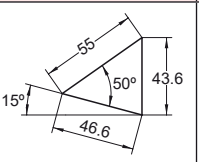
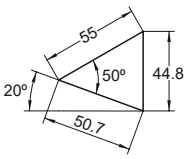
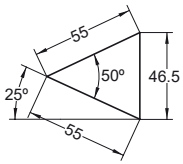
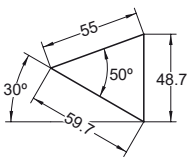
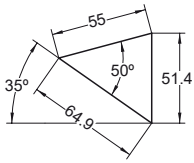
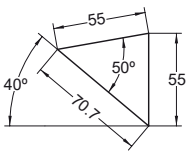
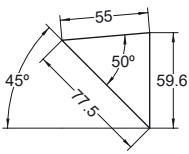
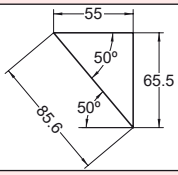
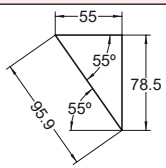
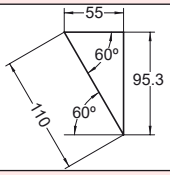
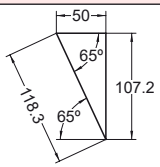
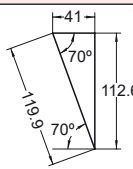


AZOL GAS

AVPL 0200

Aerial cam for pierce, trim and flange

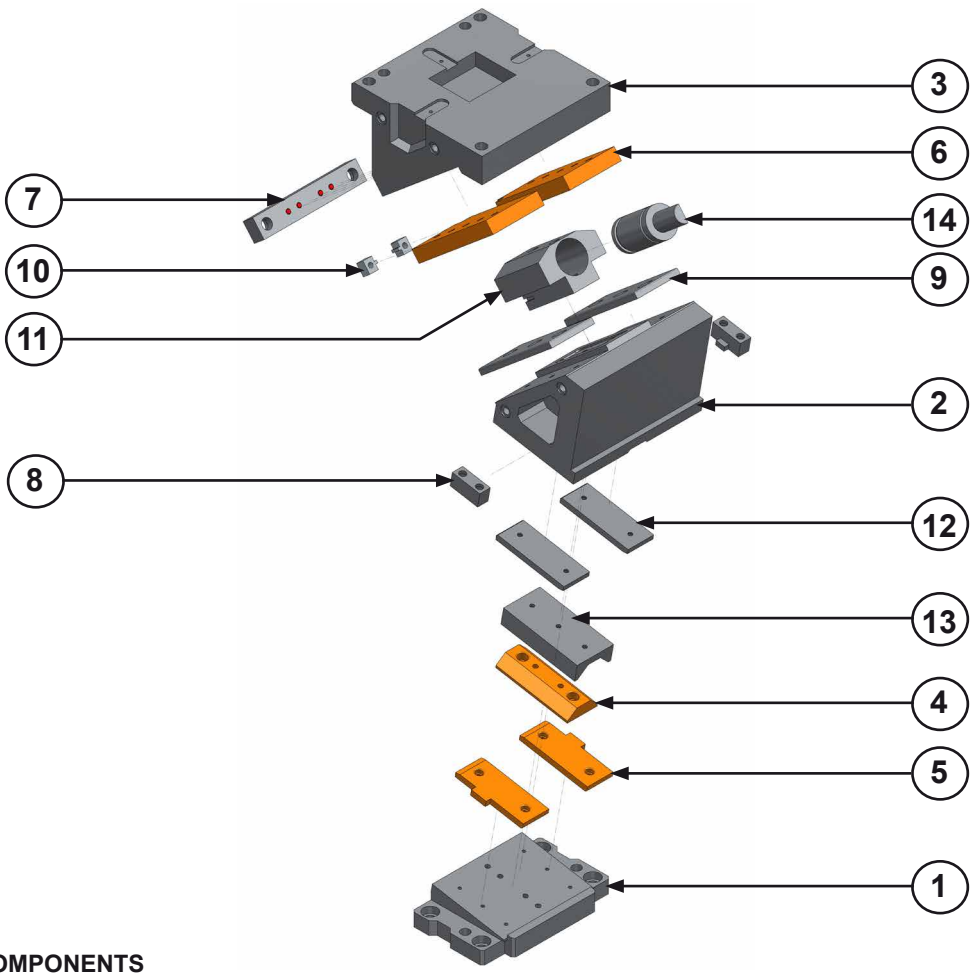
α (°)	A	B	C	D	E	F	DH	HL	H1	M	T
00	116	175	233	67	291		61	270	232		
05	108	191.87	224.29	75.71	299.87		67.8	280	242		
10	99	208.34	217.78	82.22	307.34		77.9	290	252		
15	88	224.43	211.51	88.49	312.43		89.4	295	257		
20	77	239.16	205.52	94.48	316.16		102	300	262		
25	66	251.55	199.82	100.18	317.55	150	115.8	305	267	150	10
30	52	266.63	191.45	108.55	318.63		127.5				
35	34	281.43	182.43	117.57	315.43		139				
40	14	295.99	171.79	128.21	309.99		149.4				
45	-4	307.33	152.55	147.45	303.33		151.7				
50	-23	318.5	142.73	157.27	295.5		163.5	310	272		
55	-42	334.25	138.87	161.13	292.25		169.5				
60	-54	340.45	138.64	161.36	286.45	160	172.5			160	18
65	-69	356.31	134.3	165.7	287.31		177				27
70	-88	375.62	123.05	176.95	287.62		175.8				35

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º	**55º**	**60º**	**65º**	**70º**
				

AVPL 0300

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Slide Guide A	1	Copper alloy
5	Driver Plate	2	Copper alloy
6	Holder Plate	1L / 1R	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	2	S45C
9	Slider Plate 1	2	1.2312 HRC 58-60
10	Safety Block	2	S45C
11	Spring Guide Block	1	GGG60
12	Slide Plate 2	2	1.2312 HRC 58-60
13	Slide Guide B	1	1.2312 HRC 58-60
14	Gas Spring	1	CW 1500 (see next page)

④ and ⑤ must be ordered at same time

SPARE PARTS:

④ Slide Guide A
⑤ Driver Plate *
⑥ Holder Plate *
⑭ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0300

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	274.4 (28.0)	315.6 (30.2)	356.7 (36.4)	300	0º ~ 70º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	26120	2665	CW 1500 063	152
05	39.0	26120	2665	CW 1500 063	152
10	42.8	26120	2665	CW 1500 063	152
15	46.6	26120	2665	CW 1500 063	152
20	50.7	26120	2665	CW 1500 063	150
25	55.0	26120	2665	CW 1500 063	149
30	59.7	26120	2665	CW 1500 063	148
35	64.9	26120	2665	CW 1500 063	147
40	70.7	26120	2665	CW 1500 063	149
45	77.5	26120	2665	CW 1500 063	151
50	85.6	26120	2665	CW 1500 063	155
55	95.9	26120	2665	CW 1500 063	158
60	110.0	26120	2665	CW 1500 063	158
65	118.3	24690	2519	CW 1500 063	162
70	119.9	24670	2517	CW 1500 063	168

Options:

OPTION CODE	OPTION CODE DESCRIPTION
K	Key attached.

Order Options: Model (W) (α) - Option

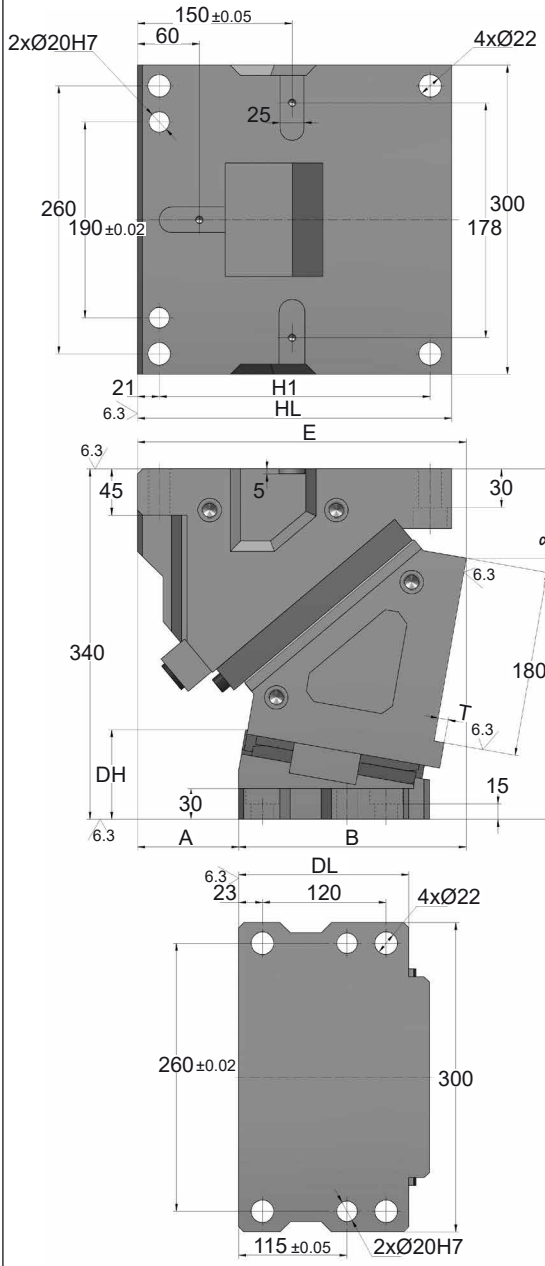
AVPL 0300 05 - K

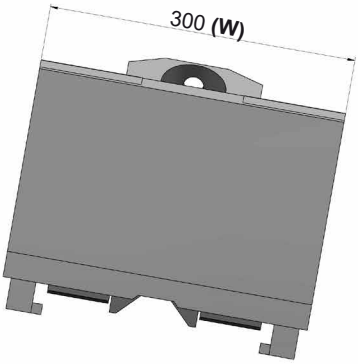
Standard order example according to catalog sheet.
Add options applying options table contens.

AVPL 0300

Aerial cam for pierce, trim and flange

AZOL GAS



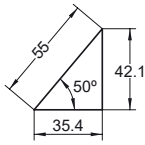
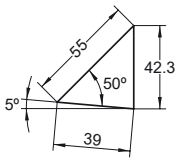
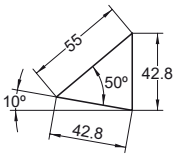
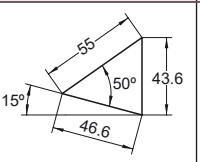
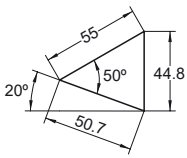
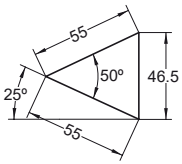
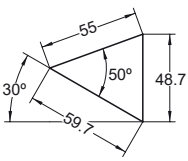
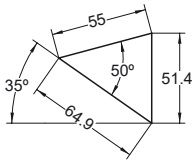
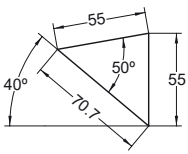
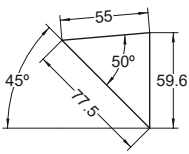
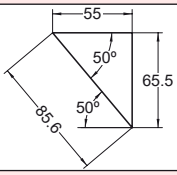
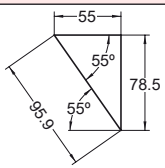
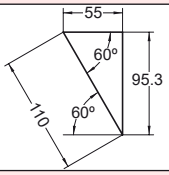
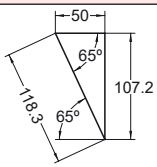
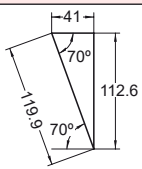


AZOL GAS

AVPL 0300

Aerial cam for pierce, trim and flange

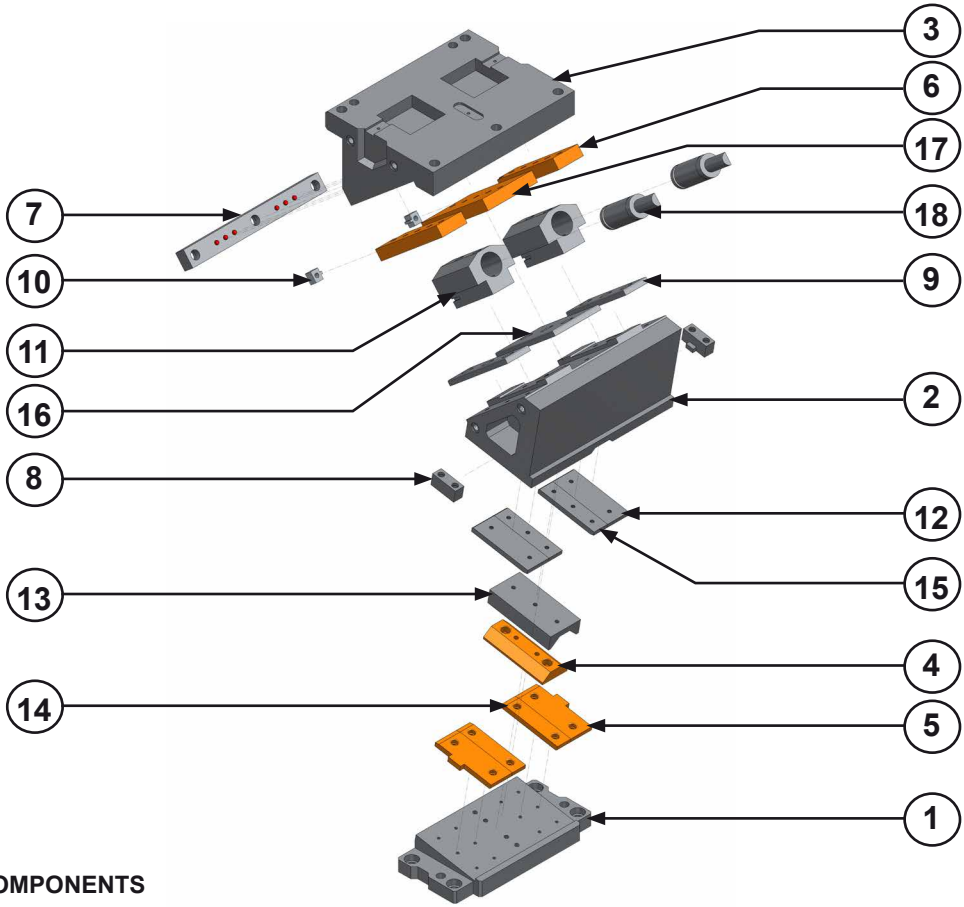
α (°)	A	B	C	D	E	DL	DH	HL	H1	T
00	123	180	272	68	303		71	285	243	
05	113	199.13	262.28	77.72	312.13		77.7	295	253	
10	101	218.87	253.74	86.26	319.87		87	305	263	
15	89	238.21	245.41	94.59	327.21		97.8	315	273	
20	74	256.18	238.33	101.67	330.18		111	320	278	
25	60	272.82	231.54	108.46	332.82	185	125.4	325	283	10
30	45	289.13	224.05	115.95	334.13		140			
35	29	303.16	212.89	127.11	332.16		151.5	330	288	
40	1	325.92	201.09	138.91	326.92		162.8			
45	-19	336.46	185.67	154.33	317.46		170.8			
50	-42	350.8	168.65	171.35	308.8		177.3			
55	-65	364.97	160.58	179.42	299.97		181.8	325	283	
60	-81	376.72	161.64	178.36	295.72	178	185.6			23
65	-94	392.61	152.92	187.08	298.61		188.6			32
70	-114	409.88	142.86	197.14	295.88		191.3			40

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º	**55º**	**60º**	**65º**	**70º**
				

AVPL 0400

Aerial cam for pierce, trim and flange

AZOL GAS



COMPONENTS

No.	Description	Qty.	Material
1	Cam Driver	1	GGG60
2	Cam Slider	1	GGG60
3	Cam Holder	1	GGG60
4	Slide Guide A	1	Copper alloy
5	Driver Plate 1A	2	Copper alloy
6	Holder Plate 1	1L / 1R	Copper alloy
7	Stopper Plate	1	S45C
8	Positive Return Follower	2	S45C
9	Slider Plate 1	2	1.2312 HRC 58-60
10	Safety Block	2	S45C
11	Spring Guide Block	2	GGG60
12	Slide Plate 2A	2	1.2312 HRC 58-60
13	Slide Guide B	1	1.2312 HRC 58-60
14	Driver Plate 1B	2	Copper alloy
15	Slide Plate 2B	2	1.2312 HRC 58-60
16	Slider Plate 2	1	1.2312 HRC 58-60
17	Holder Plate 2	1	Copper alloy
18	Gas Spring	2	CW 1000 (see next page)

④, ⑤and ⑭ must be ordered at same time

⑥ and ⑰ must be ordered at same time

SPARE PARTS:

④ Slide Guide A
⑤ Driver Plate *
⑥ Holder Plate *
⑭ Driver Plate 1B *
⑰ Holder Plate *
⑱ Gas Spring

* - Served in pairs

AZOL GAS

AVPL 0400

Aerial cam for pierce, trim and flange

MODEL	STROKE	WORKING FORCE (kN/tonf)			W (mm)	α (°)
		1,000,000 strokes (STANDARD)	1,000,000 strokes (CENTER)	300,000 strokes (CENTER)		
AVP	L	343.0 (35.0)	377.3 (38.5)	411.6 (42.0)	400	0º ~ 70º

α (°)	STROKE (mm)	GAS SPRING FORCE FINAL LOAD		GAS SPRING MODEL	TOTAL WEIGHT (kg)
		N	kgf		
00	35.4	31820	3247	2 x CW 1000 063	205
05	39.0	31820	3247	2 x CW 1000 063	205
10	42.8	31820	3247	2 x CW 1000 063	204
15	46.6	31820	3247	2 x CW 1000 063	203
20	50.7	31820	3247	2 x CW 1000 063	201
25	55.0	31820	3247	2 x CW 1000 063	199
30	59.7	31820	3247	2 x CW 1000 063	198
35	64.9	31820	3247	2 x CW 1000 063	198
40	70.7	31820	3247	2 x CW 1000 063	200
45	77.5	31820	3247	2 x CW 1000 063	203
50	85.6	31820	3247	2 x CW 1000 063	208
55	95.9	31820	3247	2 x CW 1000 063	212
60	110.0	31820	3247	2 x CW 1000 063	213
65	118.3	30060	3067	2 x CW 1000 063	219
70	119.9	30080	3069	2 x CW 1000 063	227

Options:

OPTION CODE	OPTION CODE DESCRIPTION
K	Key attached.

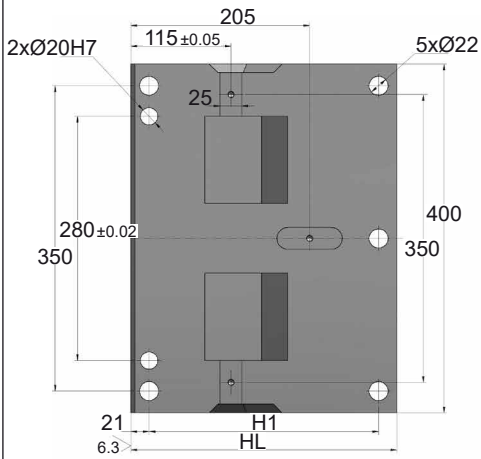
Order Options: Model (W) (α) - Option

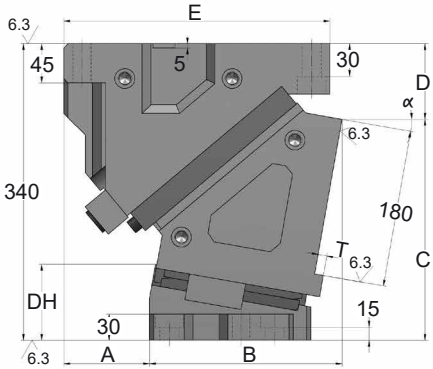
AVPL 0400 05 - K

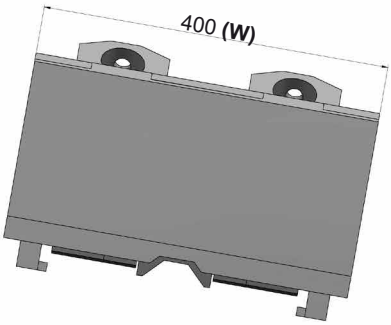
Standard order example according to catalog sheet.
Add options applying options table contens.

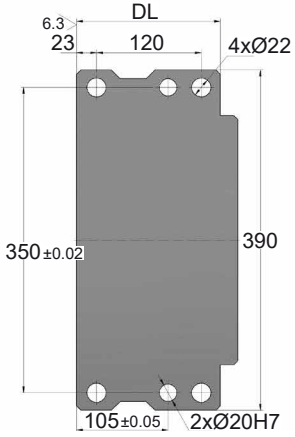
AVPL 0400

Aerial cam for pierce, trim and flange







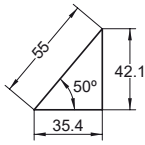
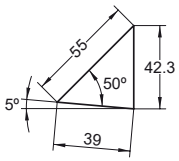
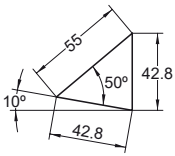
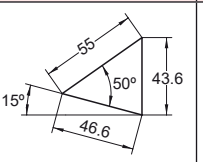
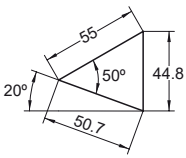
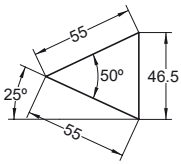
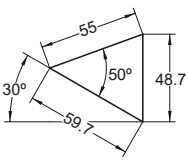
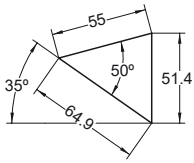
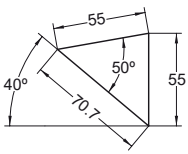
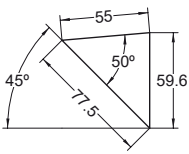
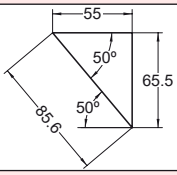
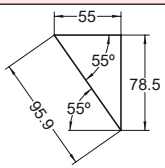
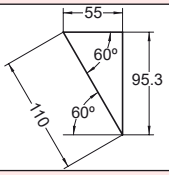
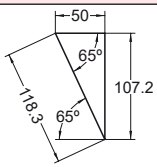
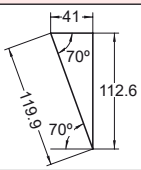


AZOL GAS

AVPL 0400

Aerial cam for pierce, trim and flange

α (°)	A	B	C	D	E	DL	DH	HL	H1	T
00	123	180	272	68	303		71	285	243	
05	113	199.13	262.28	77.72	312.13		77.7	295	253	
10	101	218.87	253.74	86.26	319.87		87	305	263	
15	89	238.21	245.41	94.59	327.21		97.8	315	273	
20	74	256.18	238.33	101.67	330.18		111	320	278	
25	60	272.82	231.54	108.46	332.82	185	125.4	325	283	10
30	45	289.13	224.05	115.95	334.13		140			
35	29	303.16	212.89	127.11	332.16		151.5	330	288	
40	1	325.92	201.09	138.91	326.92		162.8			
45	-19	336.46	185.67	154.33	317.46		170.8			
50	-42	350.8	168.65	171.35	308.8		177.3			
55	-65	364.97	160.58	179.42	299.97		181.8	325	283	
60	-81	376.72	161.64	178.36	295.72	180	185.6			23
65	-94	392.61	152.92	187.08	298.61		188.6			32
70	-114	409.88	142.86	197.14	295.88		191.3			40

0º	5º	10º	15º	20º
				
25º	**30º**	**35º**	**40º**	**45º**
				
50º	**55º**	**60º**	**65º**	**70º**
				

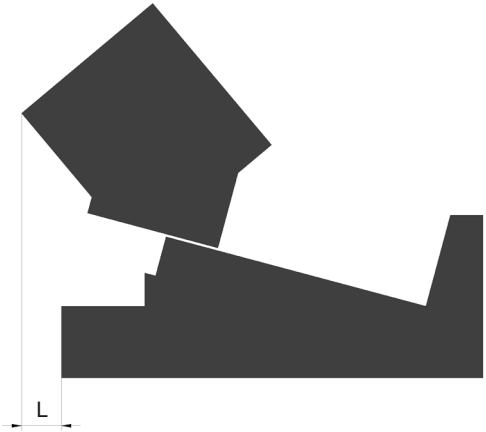
AVP

Aerial cam for pierce, trim and flange

AZOL GAS

AVP

Aerial cam for pierce, trim and flange



α (°)	L (mm)										
	AVPS 0046	**AVPL 0046**	**AVPS 0058**	**AVPL 0058**	**AVPS 0072**	**AVPL 0072**	**AVPL 0100**	**AVPL 0140**	**AVPL 0200**	**AVPL 0300**	**AVPL 0400**
00	3.3	0.0	0.0	0.0	7.3	0.0	0.0	0.0	45.5	46.9	46.9
05	8.9	3.1	3.6	0.0	15.4	7.0	1.0	0.0	55.3	55.7	55.7
10	13.2	7.8	8.7	5.2	21.8	14.5	9.9	0.0	63.8	63.0	63.0
15	21.2	16.1	14.6	11.5	27.6	20.8	16.9	6.8	71.8	70.7	70.7
20	29.9	25.0	21.2	18.5	38.3	32.0	27.0	14.1	84.2	82.9	82.9
25	38.1	33.5	29.6	27.3	50.3	44.4	37.7	27.5	96.5	98.6	98.6
30	45.8	39.5	37.6	35.6	62.3	51.7	50.4	40.7	106.0	113.6	113.6
35	52.1	45.9	44.0	42.2	71.2	60.8	60.8	51.7	120.0	128.5	128.5
40	57.6	51.6	49.7	48.1	79.9	69.7	71.0	62.3	132.0	143.1	143.1
45	60.6	56.7	57.8	53.5	88.4	76.4	74.7	67.5	144.0	158.4	158.4
50	65.9	67.0	63.2	59.7	93.7	83.7	74.1	68.3	153.0	169.2	169.2
55	72.0	-	68.1	-	82.9	-	82.4	77.2	162.0	184.3	184.3
60	70.9	-	74.1	-	87.8	-	88.1	85.8	162.0	187.1	187.1
65	77.0	-	79.8	-	96.0	-	93.4	92.7	159.0	181.2	181.2
70	81.7	-	84.4	-	111.1	-	101.5	98.8	154.0	178.1	178.1
75	87.1	-	90.1	-	121.1	-	-	-	-	-	-
80	94.1	-	96.8	-	131.5	-	-	-	-	-	-

AVP

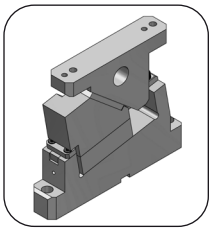
Aerial cam for pierce, trim and flange

AZOL GAS

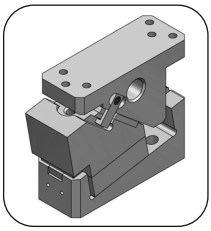
LSDH

Die mounted cam for pierce

General information



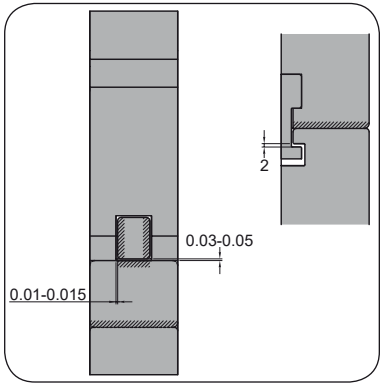
LSDH 0052



LSDH 0090

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°. (0° to 15° for LSDH 90)
- Extensible mount length (only for LSDH 90).

Adjustment clearances

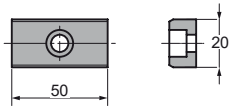


LSDH 0052
LSDH 0090

Keys

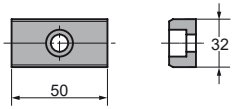
K

LSDH 0052



K

LSDH 0090



LSDH

Die mounted cam for pierce

AZOL GAS

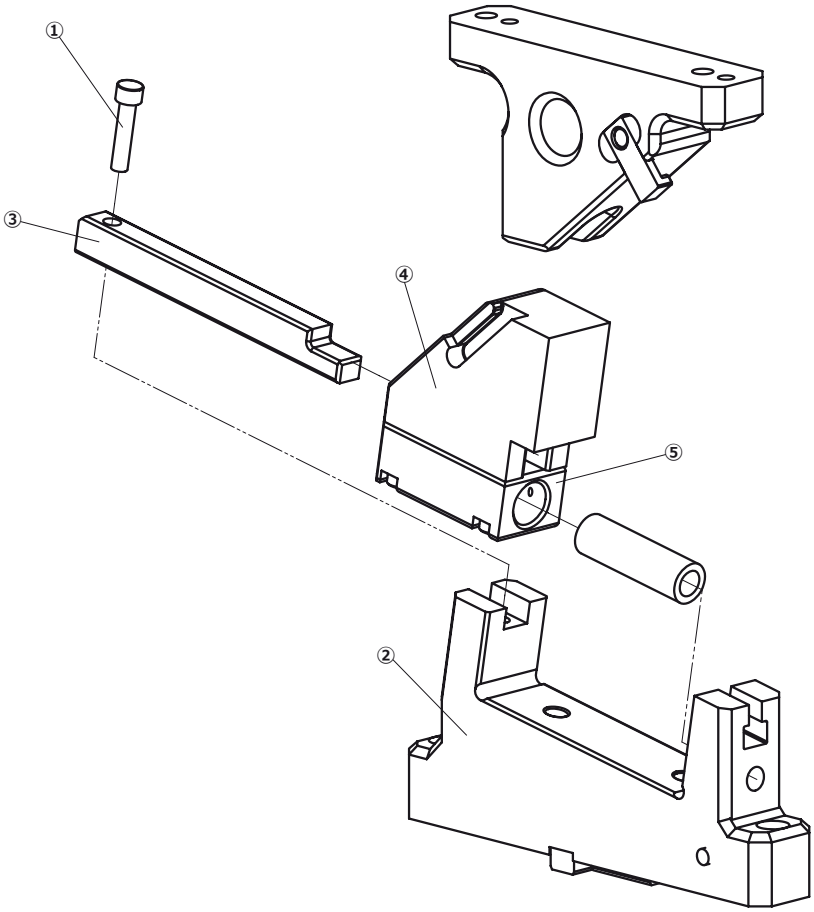
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ③ guide bar from cam holder ② pulling it 30mm back takeing out the guide bar and the vam slider ③, ④, ⑤.
- Remove guide bar and cam slider.

Assembling process

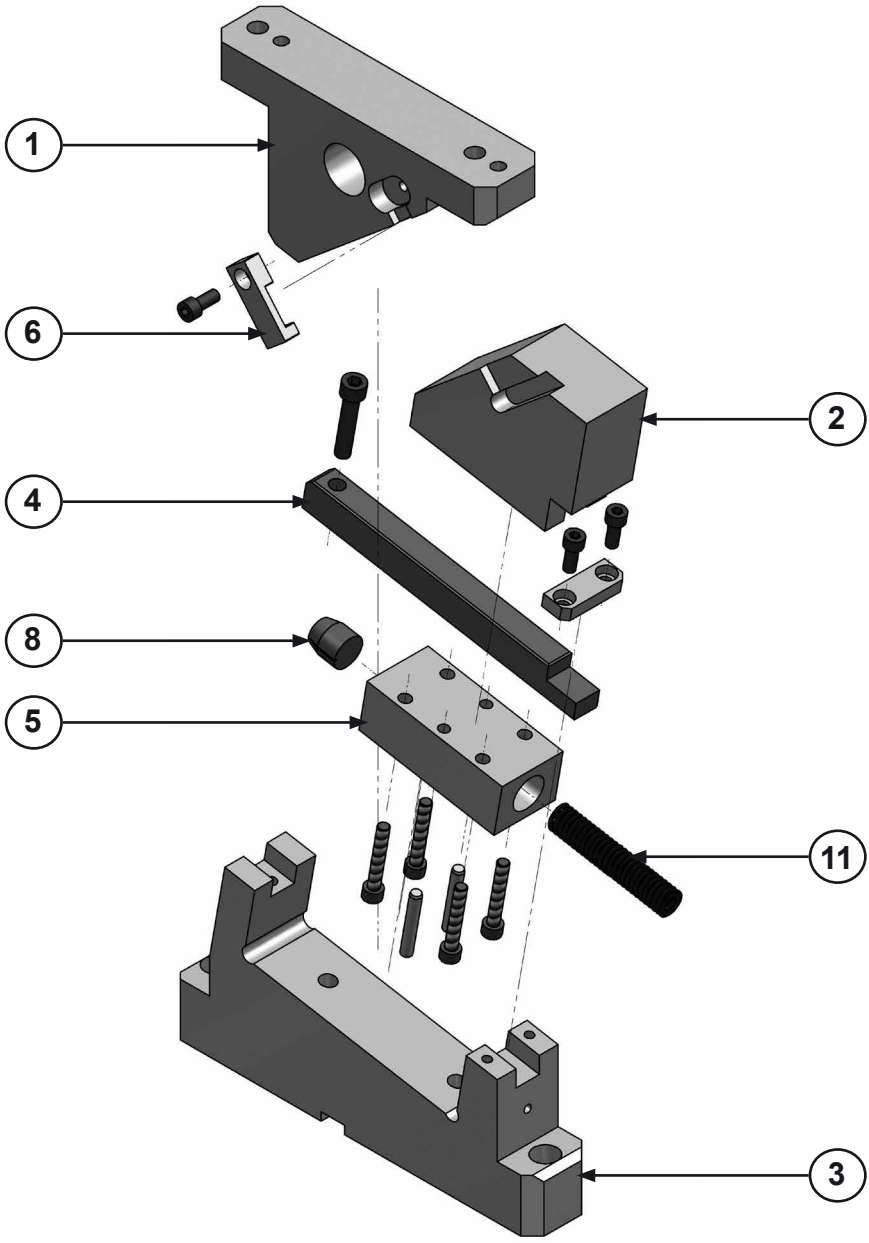
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

LSDH 0052

Die mounted cam for pierce

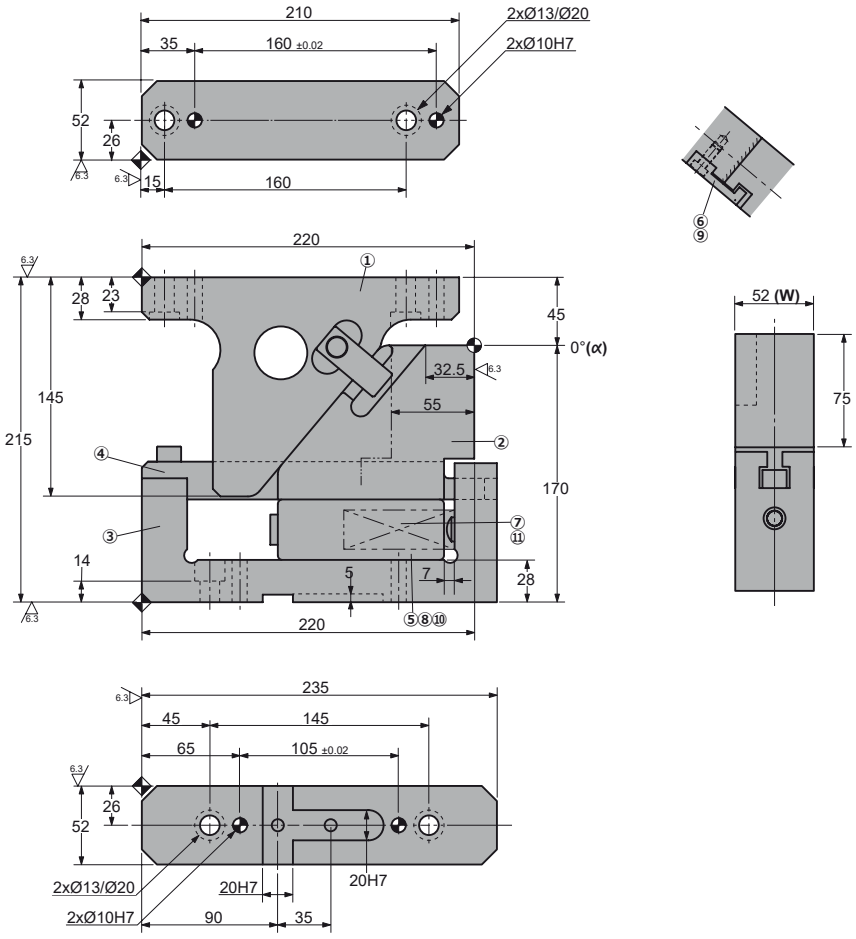


LSDH 0052

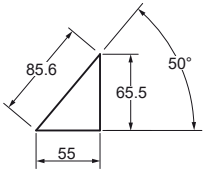
Die mounted cam for pierce

AZOL GAS

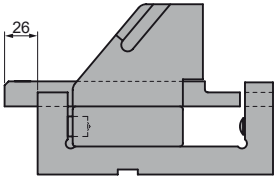
LSDH 0052 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0052

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	14.2	LSDH	0052	00

Order: Model (W) (α)

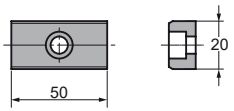
LSDH 0052 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

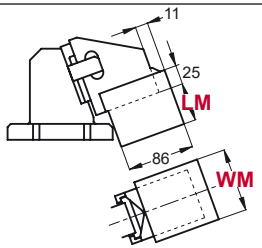
KEY



2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm). e.g. LM50
WM Mount width changed from 53mm to 100mm. (increments of 1 mm). e.g. WM100



Order Options: Model (W) (α)-Option

LSDH 0052 00-K

LSDH 0052 00-LM55-WM100

LSDH 0052 00-K-LM55-WM100

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

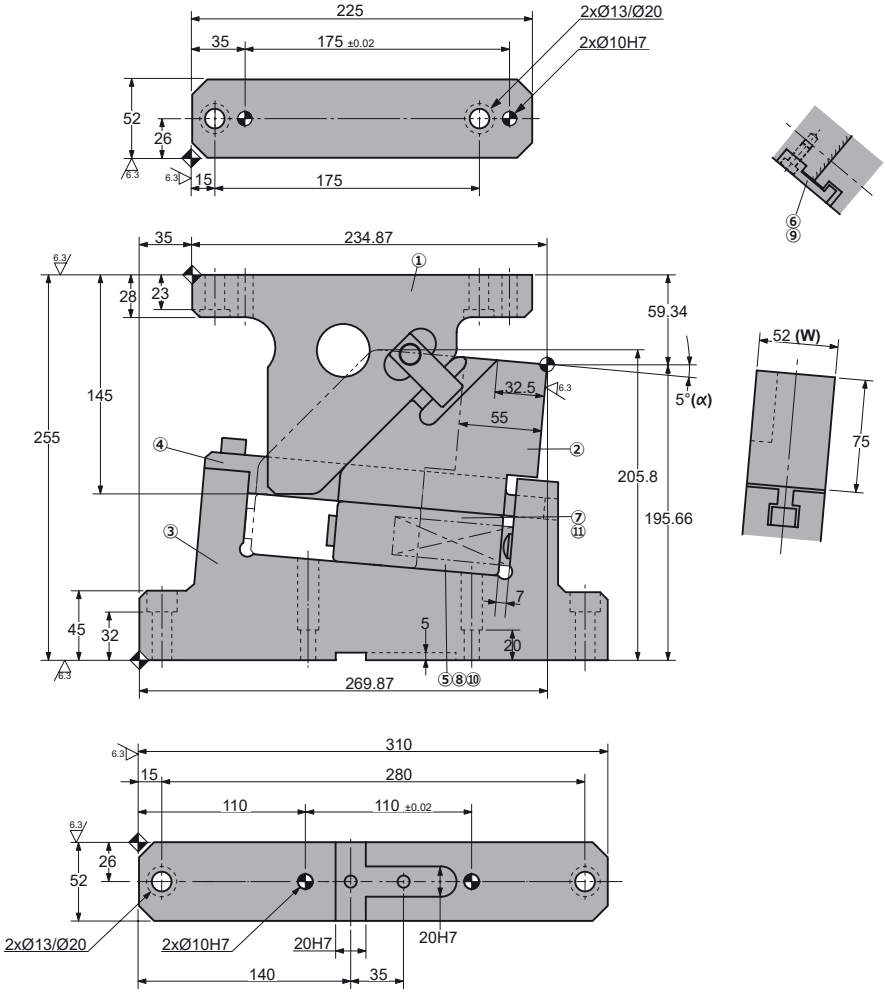
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
⑪	Coil Spring	1	SWS26-150

LSDH 0052

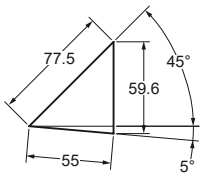
Die mounted cam for pierce

AZOL GAS

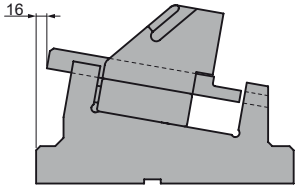
LSDH 0052 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0052

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	18.5	LSDH	0052	05

Order: Model (W) (α)

LSDH 0052 05

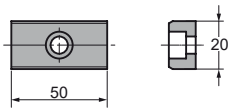
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

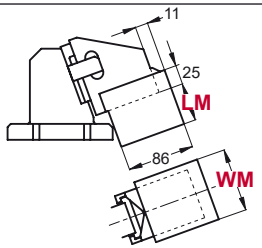
K



2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm). e.g. LM50
WM Mount width changed from 53mm to 100mm. (increments of 1 mm). e.g. WM100



Order Options: Model (W) (α)-Option

LSDH 0052 05-K
LSDH 0052 05-LM55-WM100
LSDH 0052 05-K-LM55-WM100

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

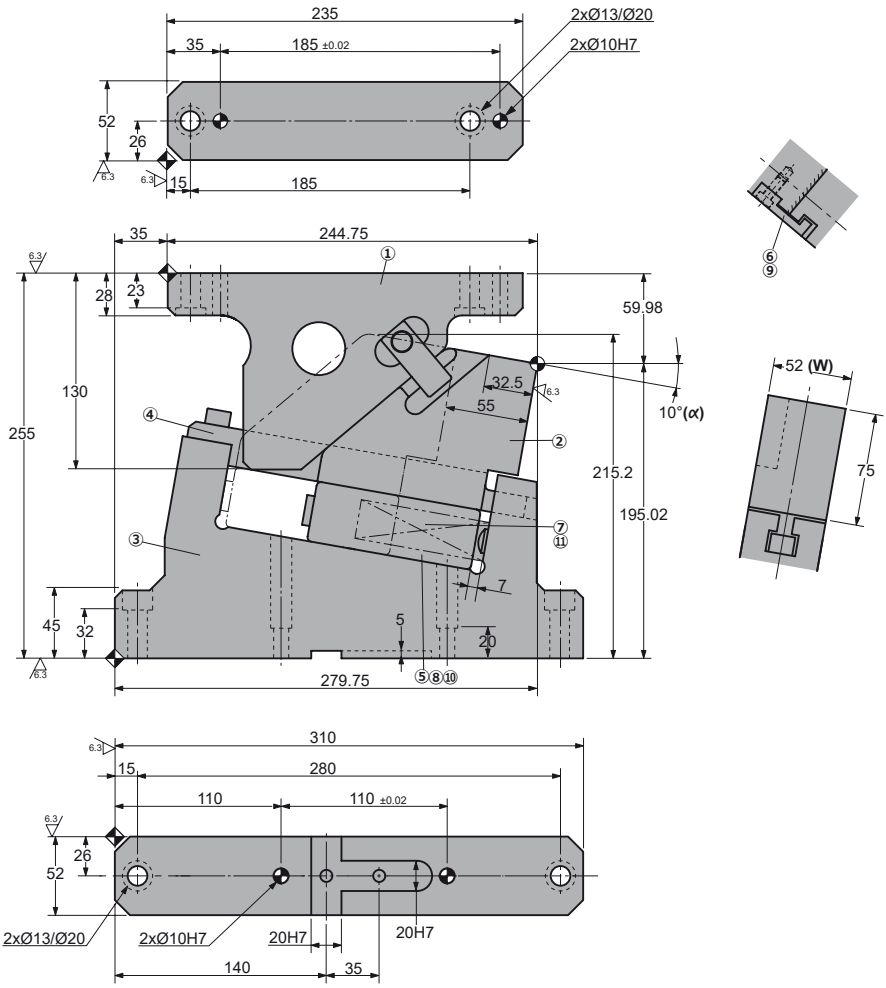
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
⑪	Coil Spring	1	SWS26-150

LSDH 0052

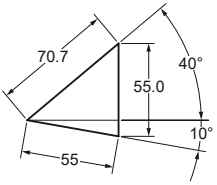
Die mounted cam for pierce

AZOL GAS

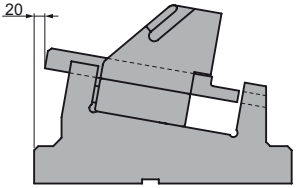
LSDH 0052 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0052

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	19.4	LSDH	0052	10

Order: Model (W) (α)

LSDH 0052 10

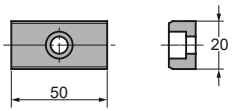
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

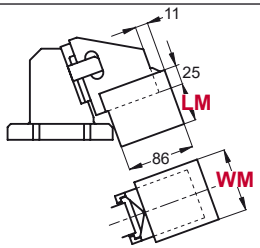
K



2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm). e.g. LM50
WM Mount width changed from 53mm to 100mm. (increments of 1 mm). e.g. WM100



Order Options: Model (W) (α)-Option

LSDH 0052 10-K
LSDH 0052 10-LM55-WM100
LSDH 0052 10-K-LM55-WM100

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

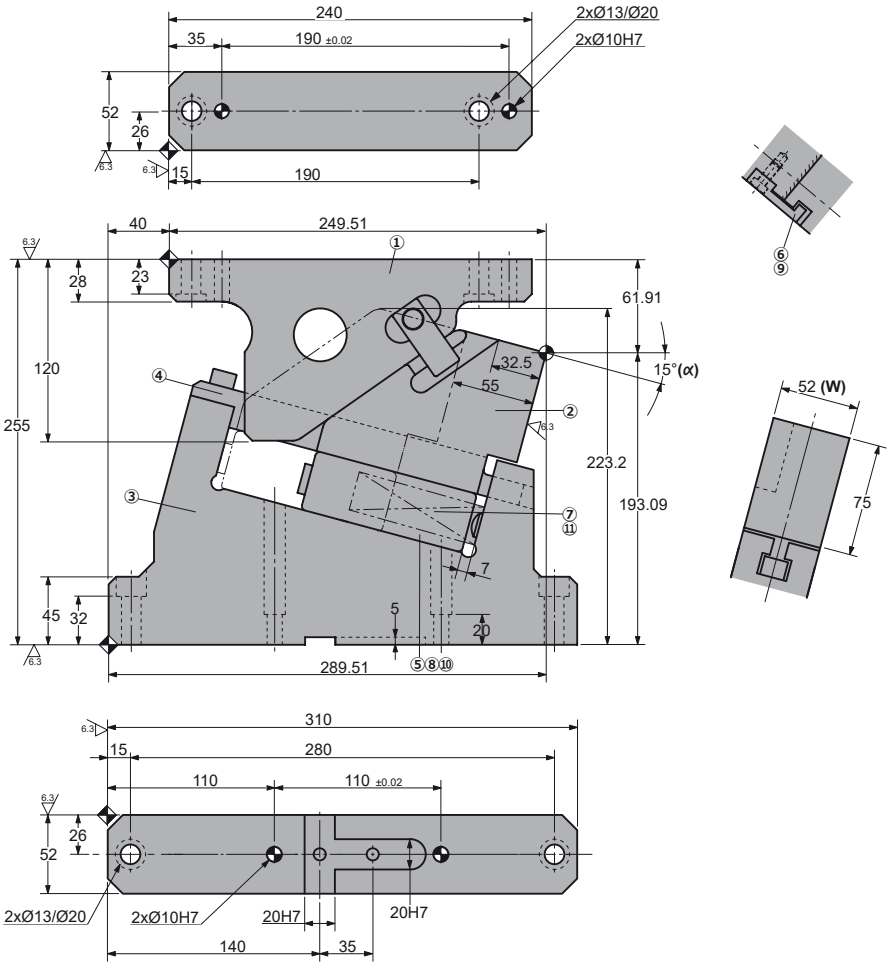
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
⑪	Coil Spring	1	SWS26-150

LSDH 0052

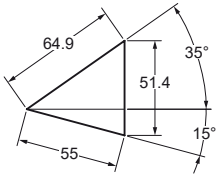
Die mounted cam for pierce

AZOL GAS

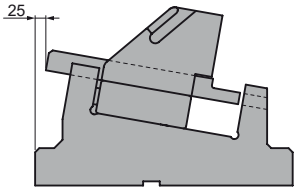
LSDH 0052 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0052

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	20.0	LSDH	0052	15

Order: Model (W) (α)

LSDH 0052 15

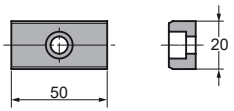
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

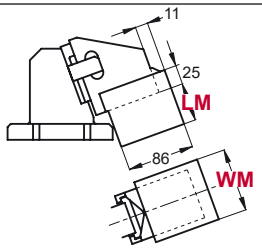
K



2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm). e.g. LM50
WM Mount width changed from 53mm to 100mm. (increments of 1 mm). e.g. WM100



Order Options: Model (W) (α)-Option

LSDH 0052 15-K
LSDH 0052 15-LM55-WM100
LSDH 0052 15-K-LM55-WM100

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

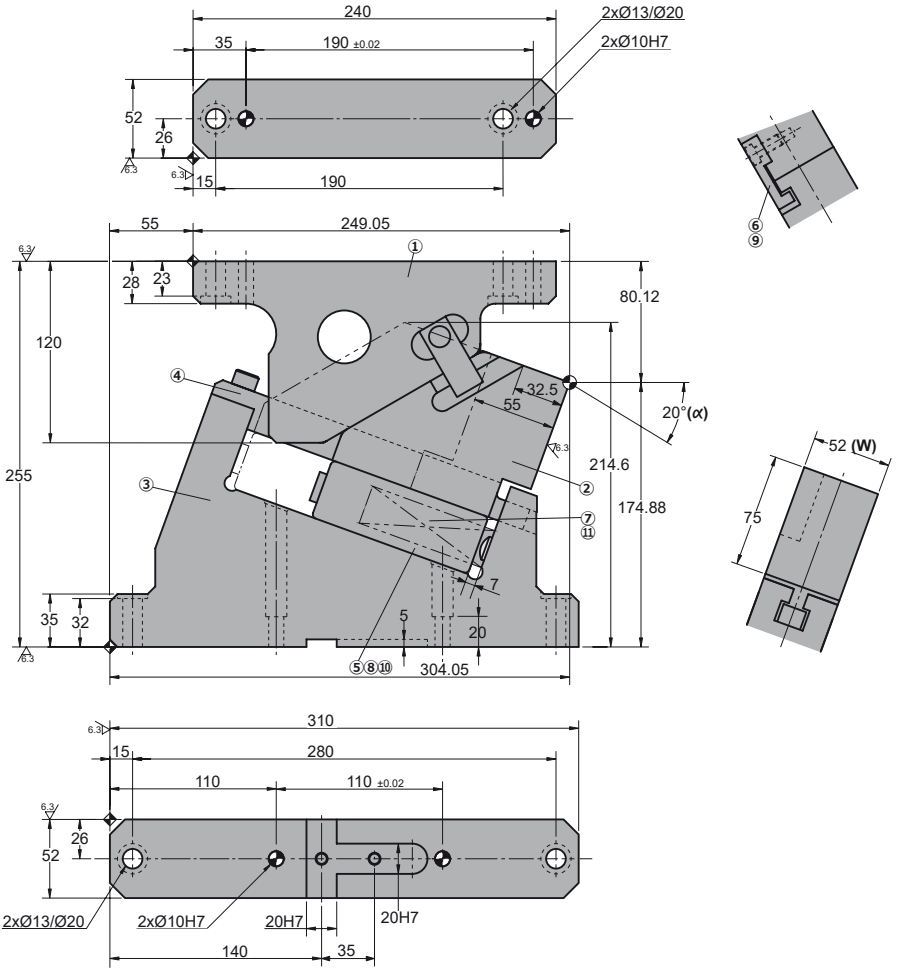
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
⑪	Coil Spring	1	SWS26-150

LSDH 0052

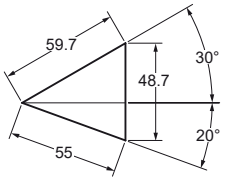
Die mounted cam for pierce

AZOL GAS

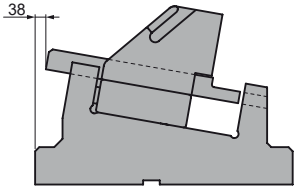
LSDH 0052 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0052

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	(300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	19.6 (2.0)	39.2 (4.0)	85.3 (8.7)	606.7 (62.1)	19.5	LSDH	0052	20

Order: Model (W) (α)

LSDH 0052 20

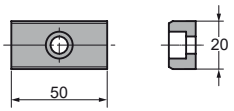
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K

KEY

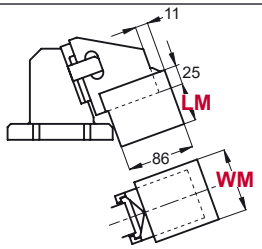
K



2 x M8x15

LM - WM MOUNT

LM Extensible slider mount from 1 to 65 mm (increments of 1 mm). e.g. LM50
WM Mount width changed from 53mm to 100mm. (increments of 1 mm). e.g. WM100



Order Options: Model (W) (α)-Option

LSDH 0052 20-K
LSDH 0052 20-LM55-WM100
LSDH 0052 20-K-LM55-WM100

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	CK45 + G
⑥	Positive Return	1	CK45
⑦	Spring Guide Pin	1	CK45
⑧	Stopper	1	Urethane
⑨	Screw	4	M8 x 50
⑩	Screw	1	LCS8 x 18
⑪	Coil Spring	1	SWS26-150

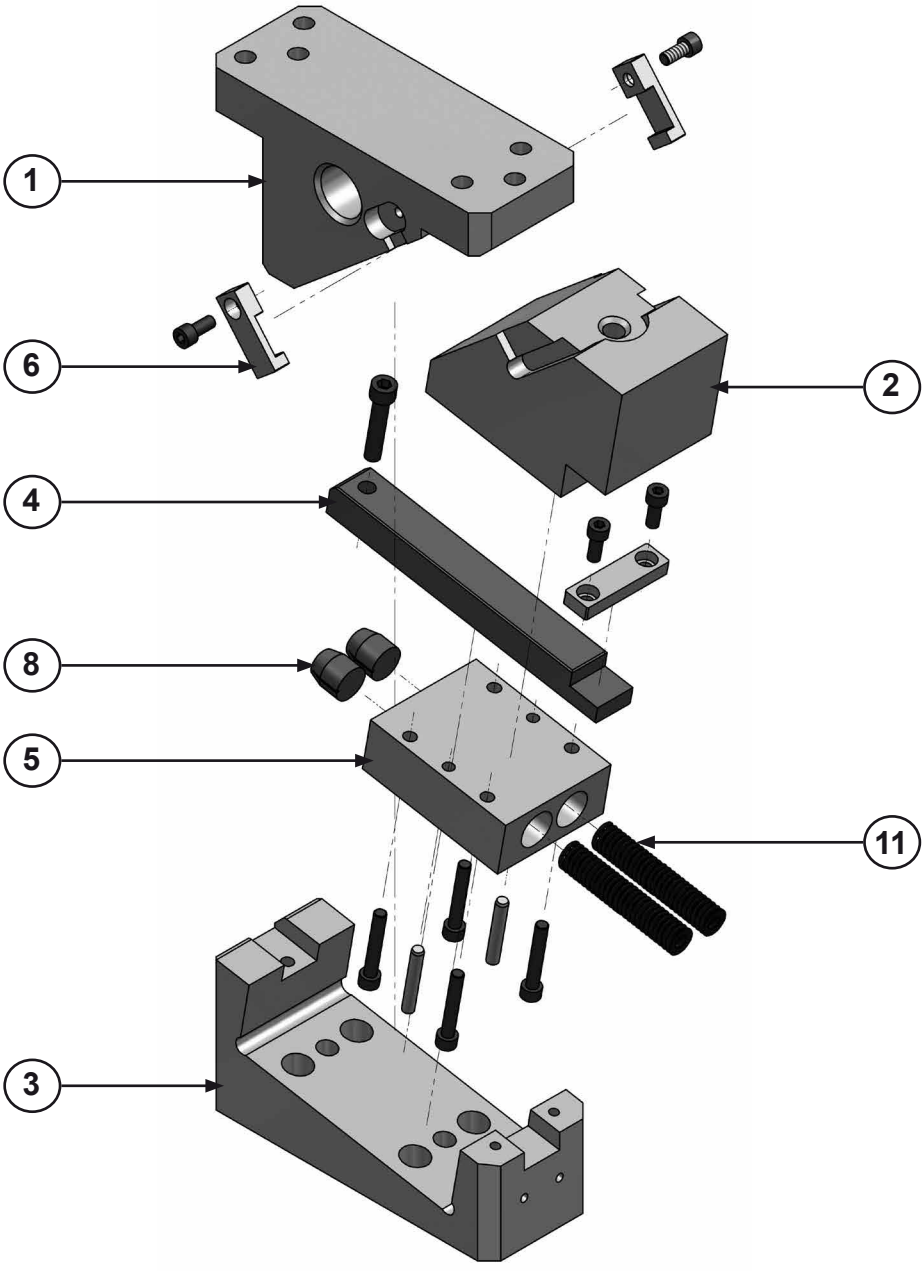
LSDH 0052

Die mounted cam for pierce

AZOL GAS

LSDH 0090

Die mounted cam for pierce

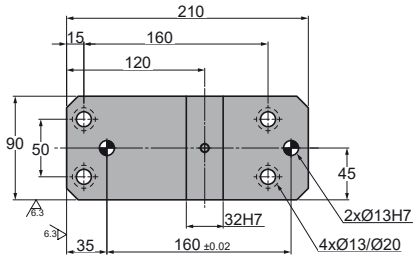


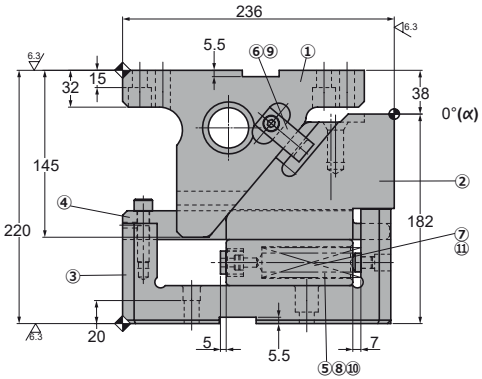
LSDH 0090

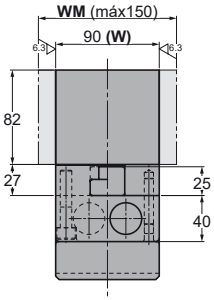
Die mounted cam for pierce

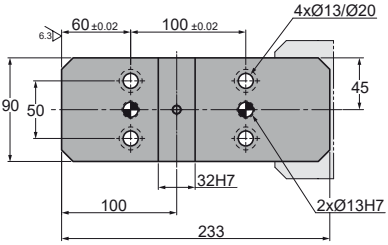
AZOL GAS

LSDH 0090 00

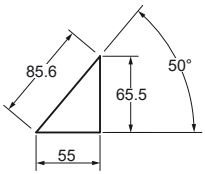




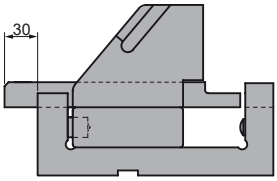




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0090

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	24.9	LSDH	0090	00

Order: Model (W) (α)

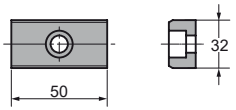
LSDH 0090 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

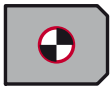
K KEY

K



2 x M8x15

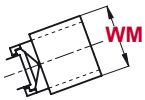
P PINS



P12 Pasadores a Ø12 H7

WM MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

LSDH 0090 00-K
LSDH 0090 00-P12
LSDH 0090 00-WM120
LSDH 0090 00-WM120-K

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

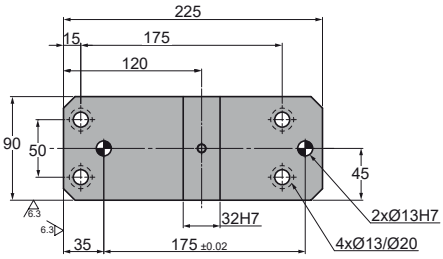
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
⑪	Coil Spring	2	SWS26-150

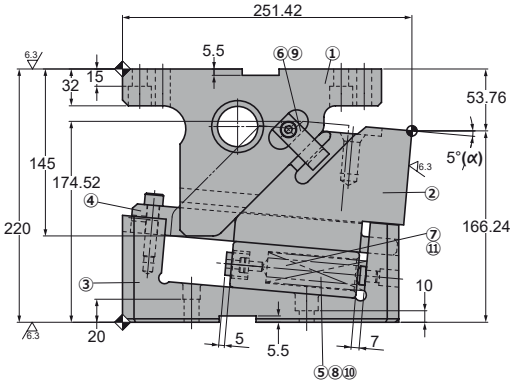
LSDH 0090

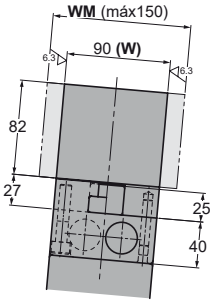
Die mounted cam for pierce

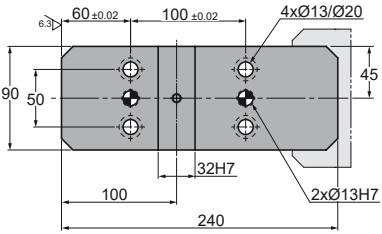
AZOL GAS

LSDH 0090 05

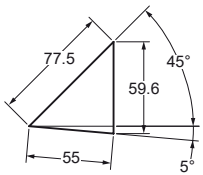




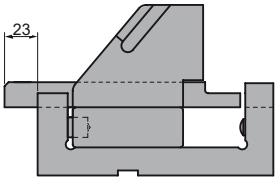




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0090

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	25.9	LSDH	0090	05

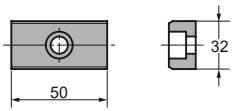
Order: Model (W) (α)

LSDH 0090 05

Standard order example according to catalog sheet.
Add options applying options table contens.

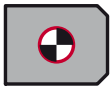
OPTIONS

K KEY



2 x M8x15

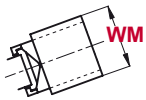
P PINS



P12 Pasadores a Ø12 H7

WM MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

LSDH 0090 05-K
LSDH 0090 05-P12
LSDH 0090 05-WM120
LSDH 0090 05-WM120-K

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

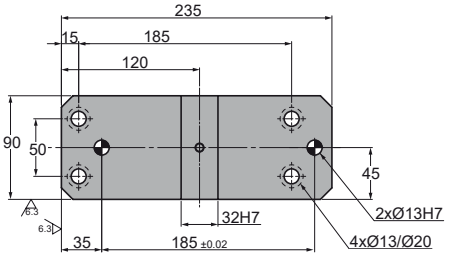
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
⑪	Coil Spring	2	SWS26-150

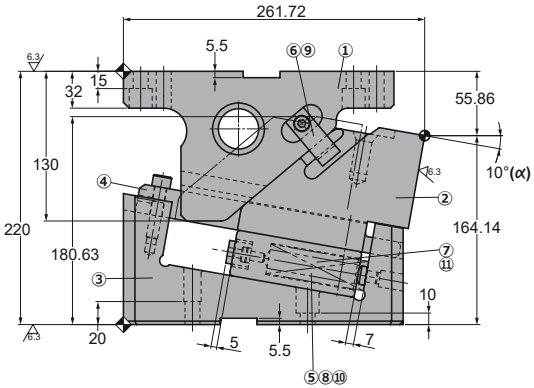
LSDH 0090

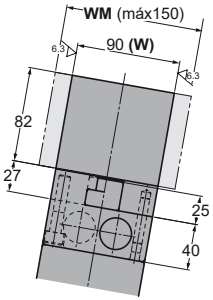
Die mounted cam for pierce

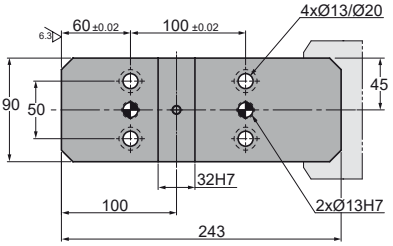
AZOL GAS

LSDH 0090 10

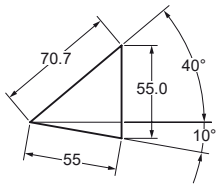




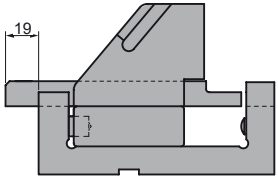




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0090

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	27.3	LSDH	0090	10

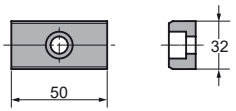
Order: Model (W) (α)

LSDH 0090 10

Standard order example according to catalog sheet.
Add options applying options table contens.

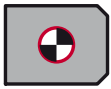
OPTIONS

K KEY



2 x M8x15

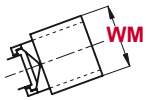
P PINS



P12 Pasadores a Ø12 H7

WM MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

LSDH 0090 10-K
LSDH 0090 10-P12
LSDH 0090 10-WM120
LSDH 0090 10-WM120-K

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

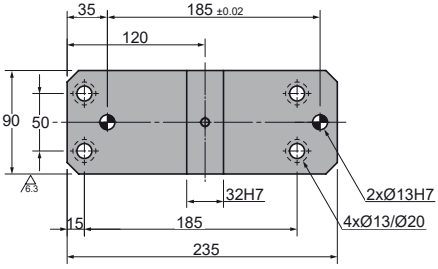
No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
⑪	Coil Spring	2	SWS26-150

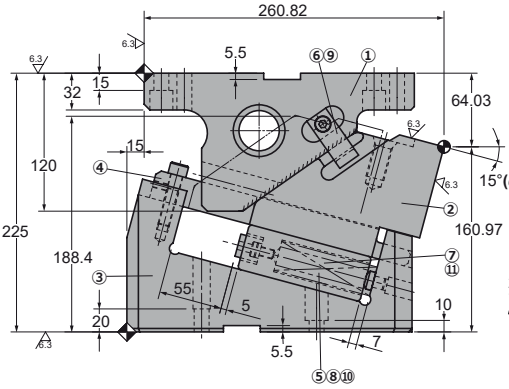
LSDH 0090

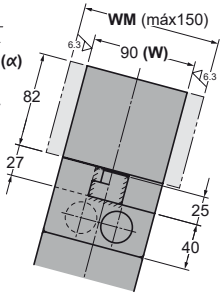
Die mounted cam for pierce

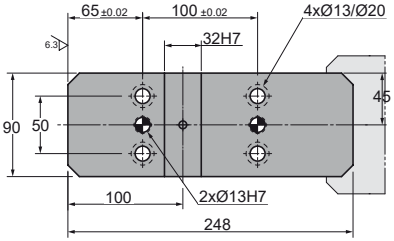
AZOL GAS

LSDH 0090 15

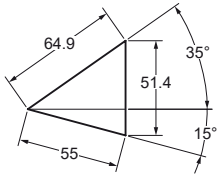




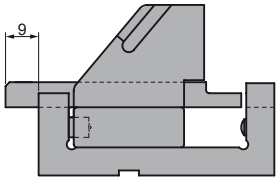




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSDH 0090

Die mounted cam for pierce

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
55	38.2 (3.9)	76.4 (7.8)	170.6 (17.5)	1213.4 (124.2)	29.3	LSDH	0090	15

Order: Model (W) (α)

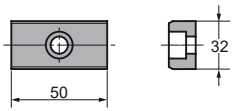
LSDH 0090 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

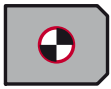
K KEY

K



2 x M8x15

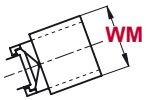
P PINS



P12 Pasadores a Ø12 H7

WM MOUNT

WM Mount width changed from 91mm to 150 (increments of 1 mm).
e.g. WM120



Order Options: Model (W) (α)-Option

LSDH 0090 15-K
LSDH 0090 15-P12
LSDH 0090 15-WM120
LSDH 0090 15-WM120-K

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GG25 + G
②	Cam Slider	1	GGG50
③	Cam Holder	1	GGG50
④	Guide Bar	1	Bronze + G
⑤	Lower Cam Slider	1	GGG50 + G
⑥	Positive Return	2	CK45
⑦	Spring Guide Pin	2	CK45
⑧	Stopper	2	Urethane
⑨	Screw	4	M10 x 50
⑩	Screw	2	LCS8 x 18
⑪	Coil Spring	2	SWS26-150

LSDH 0090

Die mounted cam for pierce

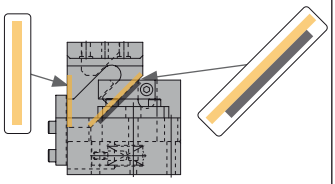
AZOL GAS

LKCM-LKBM

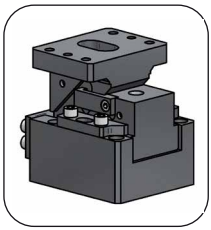
Die mounted cam for pierce and flange

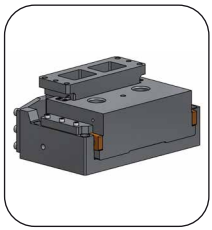
General information

*** - LKBM available**



SLIDING PLATES ON DRIVER





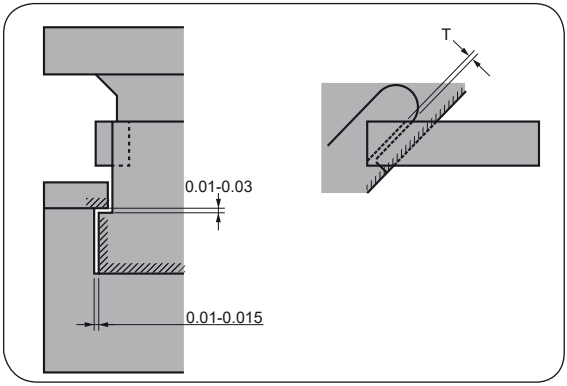
LKCM 0052*
LKCM 0065*
LKCM 0100*
LKCM 0150*
LKCM 0200*
LKCM 0250*
LKCM 0300*

LKCM 0400*
LKCM 0500
LKCM 0600

- Die mounted cam.
- Angles from 0° to 20° with increments of 5°.
- 0° Horizontal cam.

Adjustment clearances

LKCM 0052	LKBM 0052
LKCM 0065	LKBM 0065
LKCM 0100	LKBM 0100
LKCM 0150	LKBM 0150
LKCM 0200	LKBM 0200
LKCM 0250	LKBM 0250
LKCM 0300	LKBM 0300
LKCM 0400	LKBM 0400
LKCM 0500	
LKCM 0600	

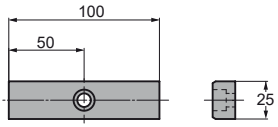


- T: 1,5 mm clearance for 52mm and 65mm width and 2 mm for 100mm width or more.

Keys

K

LKCM 0400 / 0500 / 0600
LKBM 0400



LKCM-LKBM

Die mounted cam for pierce and flange

AZOL GAS

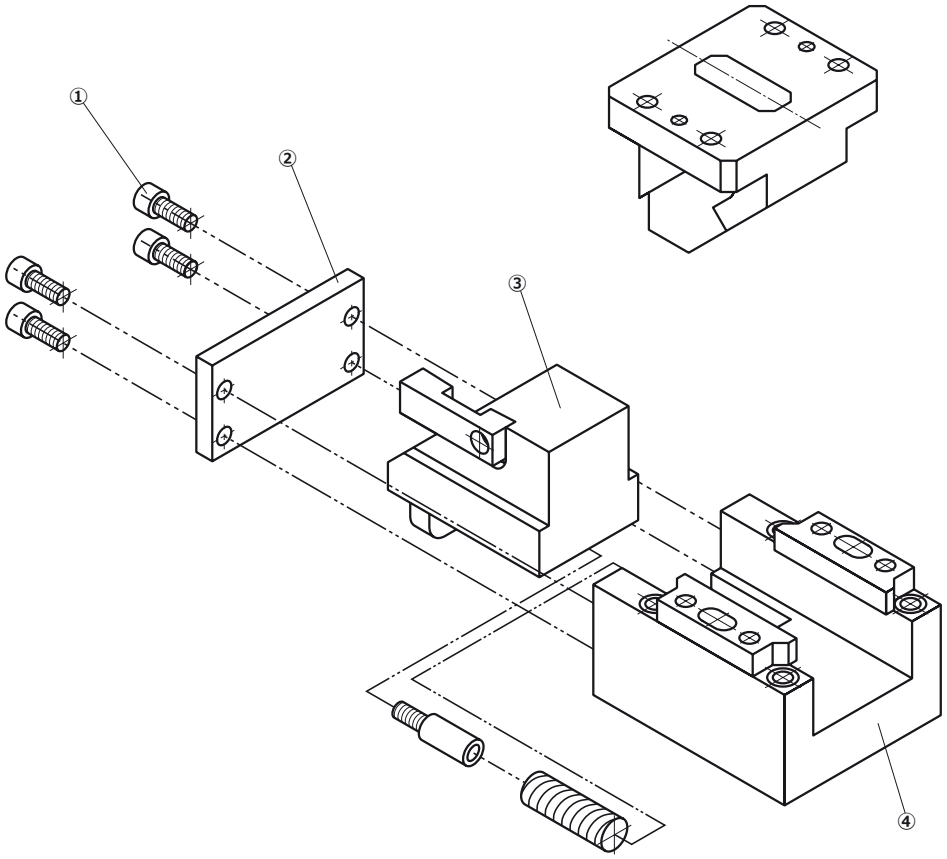
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

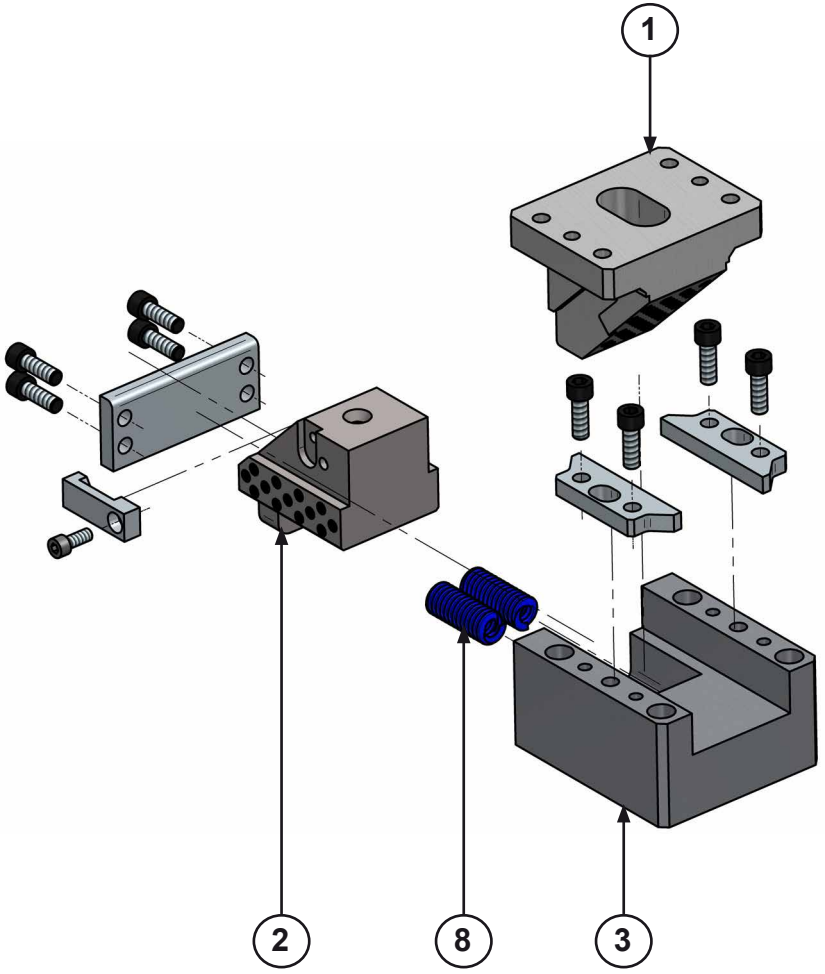
Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCM 0052 - LKBM 0052

Die mounted cam for pierce and flange

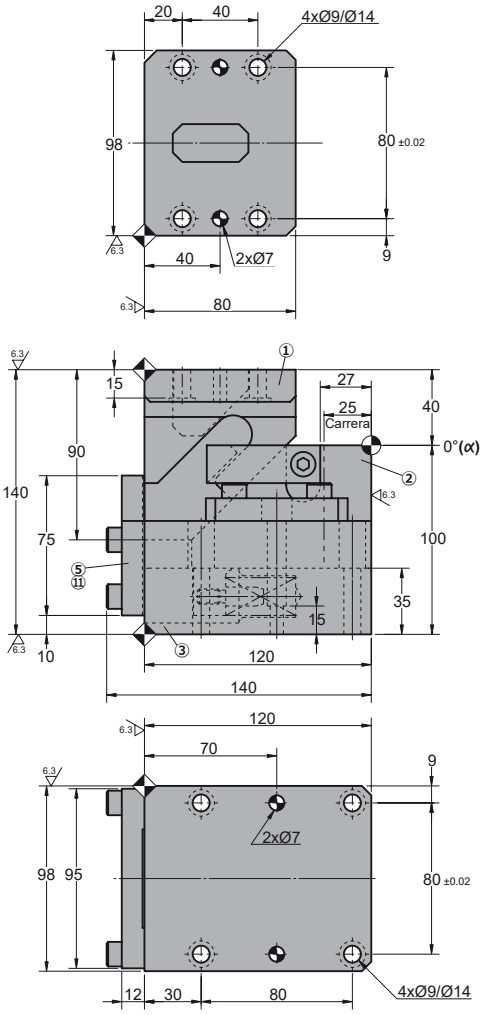


LKCM 0052 - LKBM 0052

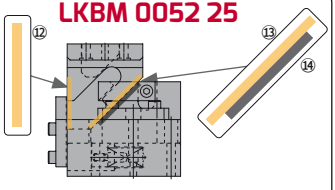
Die mounted cam for pierce and flange

AZOL GAS

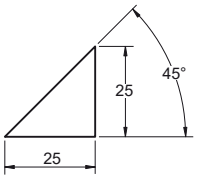
LKCM 0052 25



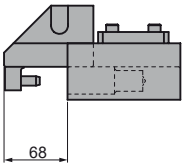
LKBM 0052 25



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0052 - LKBM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
14.7 (1.5)	29.4 (3.0)	144.0 (14.7)	595.3 (60.7)	8.0	LKCM LKBM	0052	25

Order: Model (W) (Stroke)

LKCM 0052 25

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0052 25-P8

LKBM 0052 25-P8

SPARE PARTS:

⑧ Coil Spring
⑫ Sliding plate 1
⑬ Sliding plate 2
⑭ Sliding plate 3

COMPONENTS

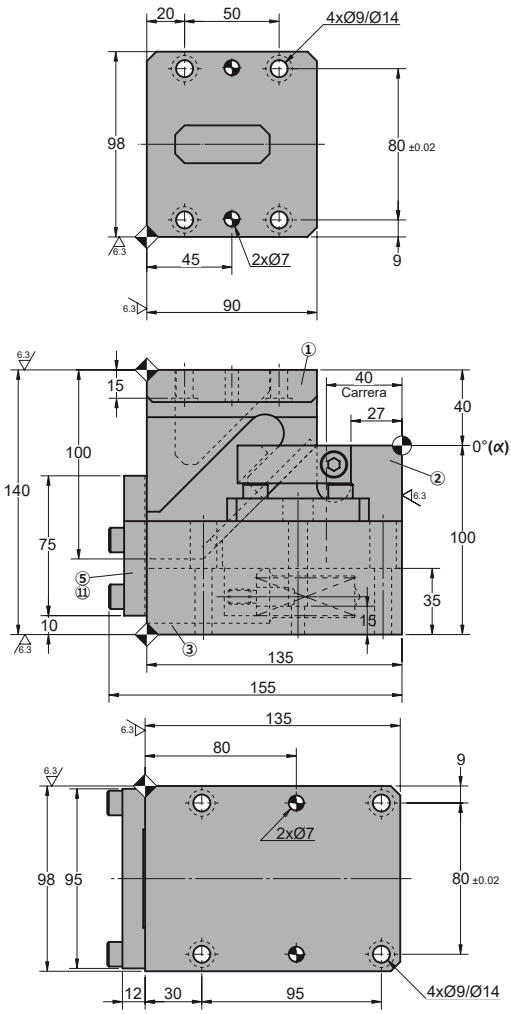
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-70
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30
*⑫	Sliding plate 1	1	Bronze + G
*⑬	Sliding plate 2	1	Bronze + G
*⑭	Sliding plate 3	1	CK45

LKCM 0052 - LKBM 0052

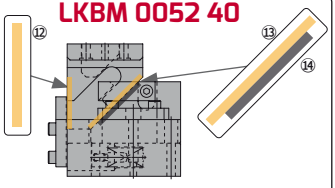
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0052 40



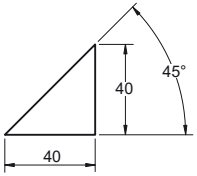
LKBM 0052 40



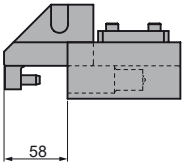
SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0052 - LKBM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
14.7 (1.5)	29.4 (3.0)	100.8 (10.2)	605.8 (61.4)	8.0	LKCM LKBM	0052	40

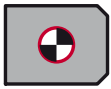
Order: Model (W) (Stroke)

LKCM 0052 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0052 40-P8

LKBM 0052 40-P8

SPARE PARTS:

⑧ Coil Spring
⑫ Sliding plate 1
⑬ Sliding plate 2
⑭ Sliding plate 3

COMPONENTS

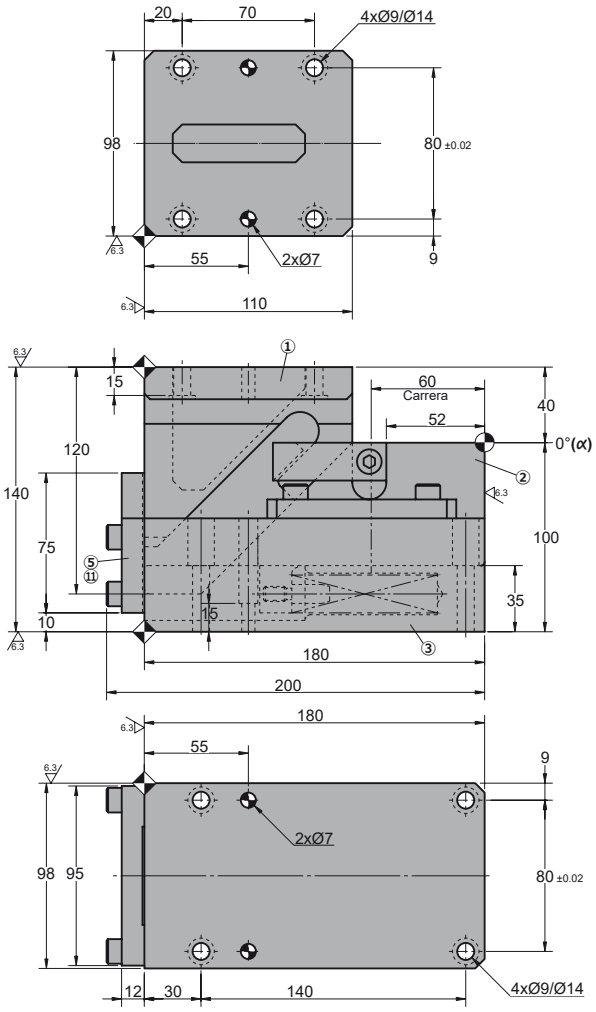
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-100
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30
*⑫	Sliding plate 1	1	Bronze + G
*⑬	Sliding plate 2	1	Bronze + G
*⑭	Sliding plate 3	1	CK45

LKCM 0052 - LKBM 0052

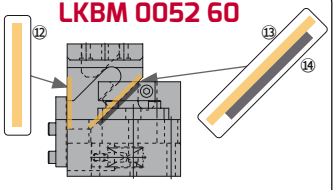
Die mounted cam for pierce and flange

AZOL GAS

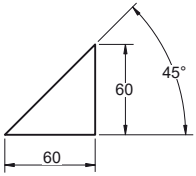
LKCM 0052 60



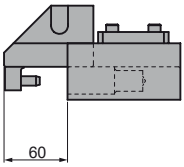
LKBM 0052 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0052 - LKBM 0052

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
14.7 (1.5)	29.4 (3.00)	109.2 (11.2)	614.7 (62.8)	14.0	LKCM LKBM	0052	60

Order: Model (W) (Stroke)

LKCM 0052 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P8 - Ø8 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0052 60-P8

LKBM 0052 60-P8

SPARE PARTS:

⑧ Coil Spring
⑫ Sliding plate 1
⑬ Sliding plate 2
⑭ Sliding plate 3

COMPONENTS

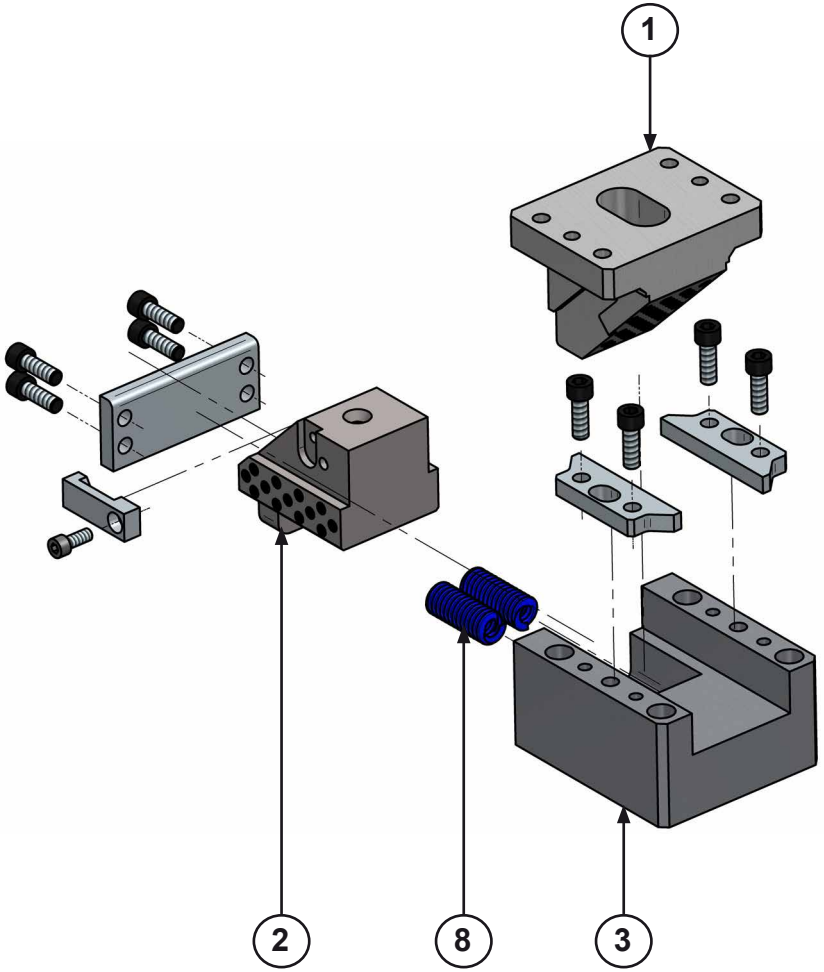
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF20-150
⑨	Screw	4	M8 x 25
⑩	Screw	1	M8 x 20
⑪	Screw	4	M8 x 30
*⑫	Sliding plate 1	1	Bronze + G
*⑬	Sliding plate 2	1	Bronze + G
*⑭	Sliding plate 3	1	CK45

LKCM 0052 - LKBM 0052

Die mounted cam for pierce and flange

LKCM 0065 - LKBM 0065

Die mounted cam for pierce and flange

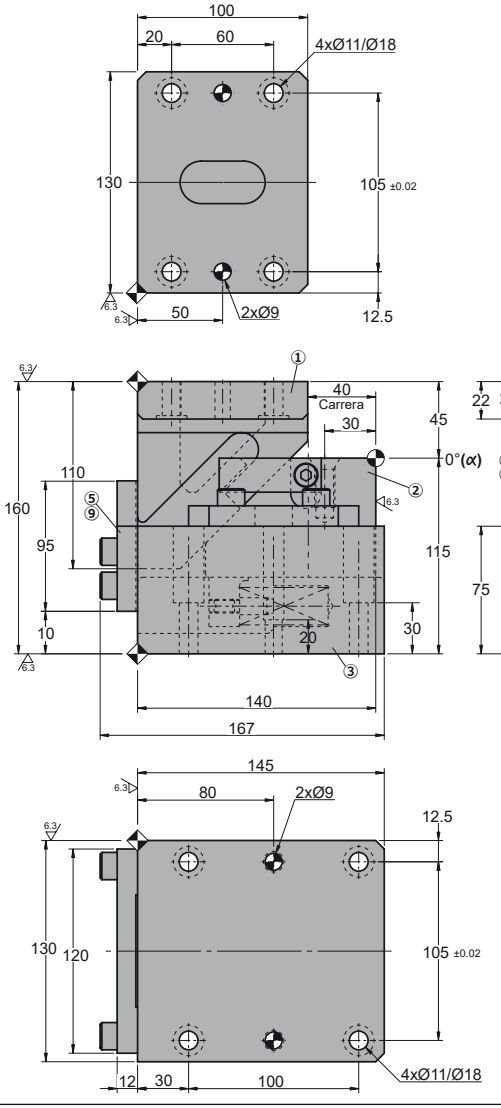


LKCM 0065 - LKBM 0065

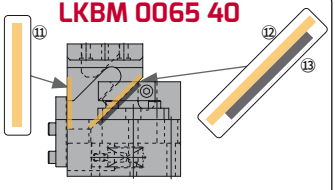
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0065 40



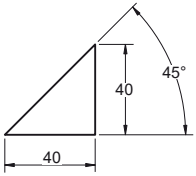
LKBM 0065 40



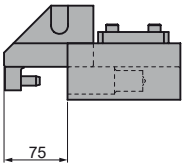
SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0065 - LKBM 0065

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
19.6 (2.0)	39.2 (4.0)	124.8 (12.8)	752.6 (76.8)	20.0	LKCM LKBM	0065	40

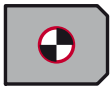
Order: Model (W) (Stroke)

LKCM 0065 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0065 40-P10

LKBM 0065 40-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

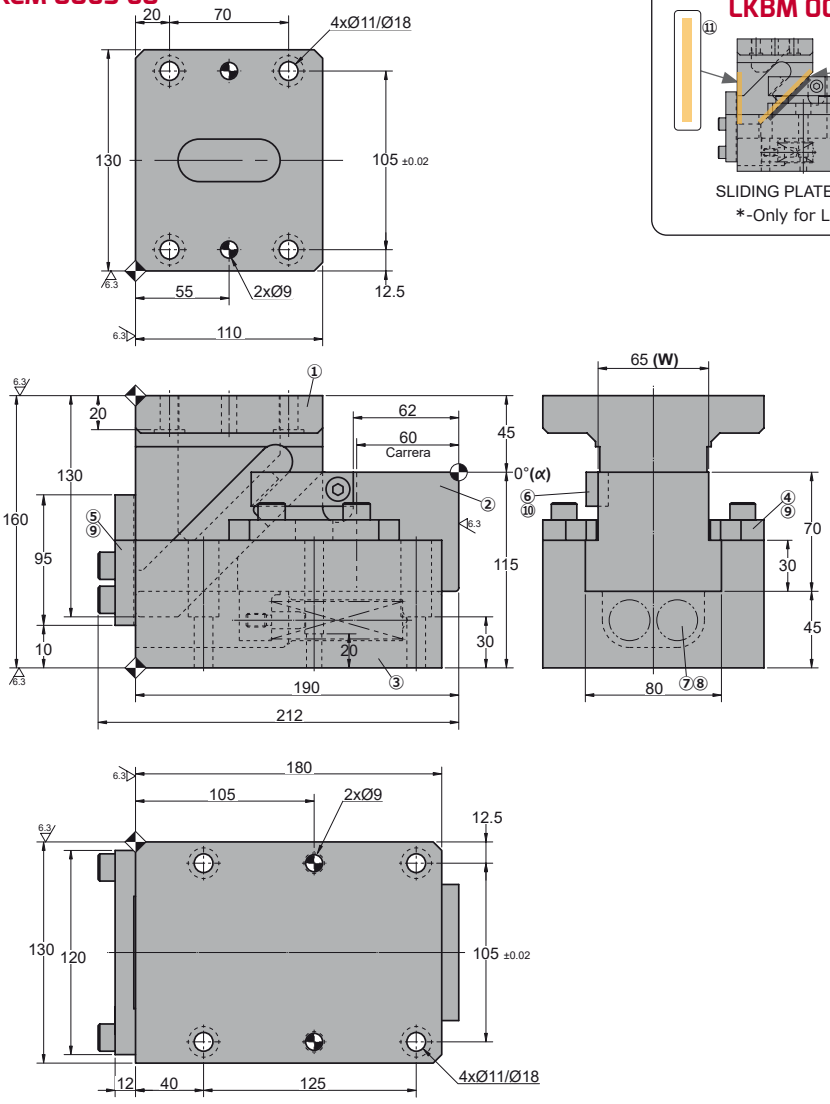
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-100
⑨	Screw	8	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCM 0065 - LKBM 0065

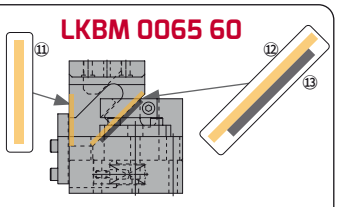
Die mounted cam for pierce and flange

AZOL GAS

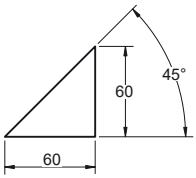
LKCM 0065 60



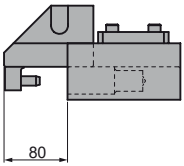
LKBM 0065 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0065 - LKBM 0065

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
19.6 (2.0)	39.2 (4.0)	135.2 (13.8)	763.6 (77.4)	21.0	LKCM LKBM	0065	60

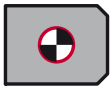
Order: Model (W) (Stroke)

LKCM 0065 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0065 60-P10

LKBM 0065 60-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

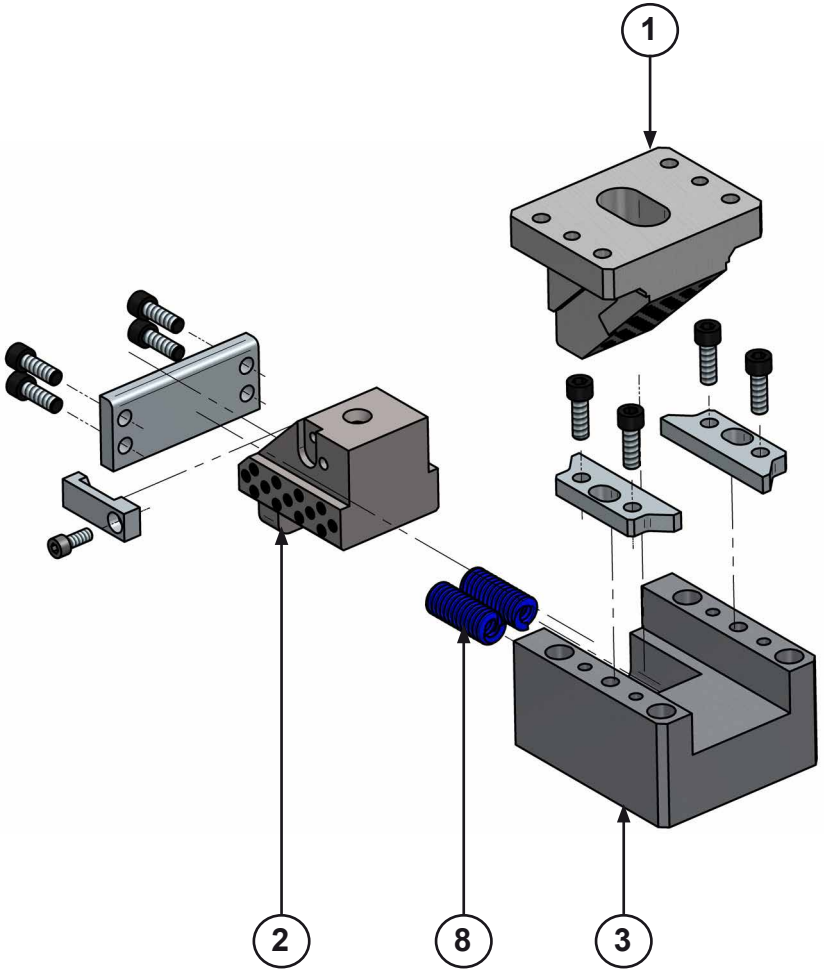
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-150
⑨	Screw	8	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCM 0065 - LKBM 0065

Die mounted cam for pierce and flange

LKCM 0100 - LKBM 0100

Die mounted cam for pierce and flange

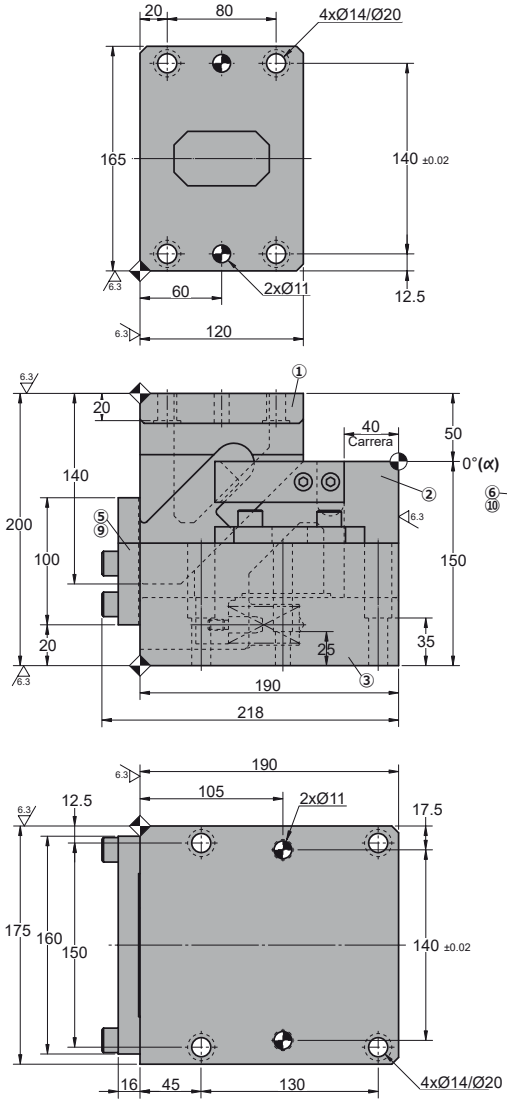


LKCM 0100 - LKBM 0100

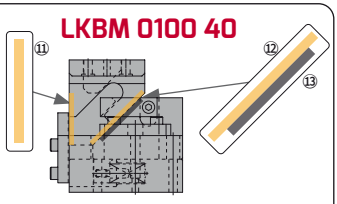
Die mounted cam for pierce and flange

AZOL GAS

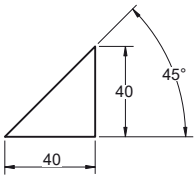
LKCM 0100 40



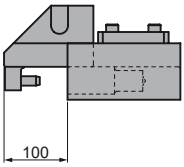
LKBM 0100 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0100 - LKBM 0100

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
29.4 (3.0)	58.8 (6.0)	188.8 (19.2)	1130.9 (115.2)	37.0	LKCM LKBM	0100	40

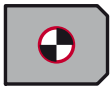
Order: Model (W) (Stroke)

LKCM 0100 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0100 40-P13

LKBM 0100 40-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

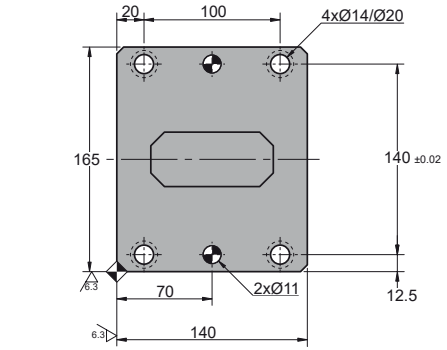
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-100
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

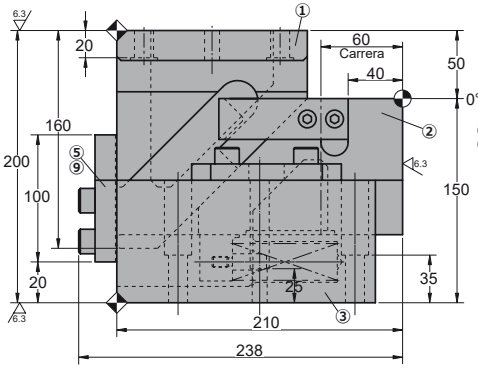
LKCM 0100 - LKBM 0100

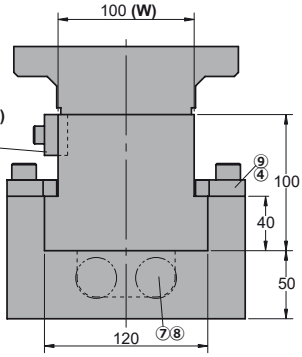
Die mounted cam for pierce and flange

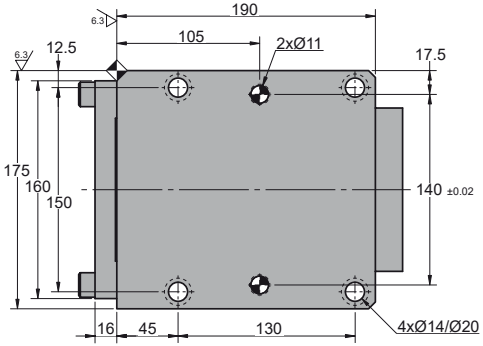
AZOL GAS

LKCM 0100 60

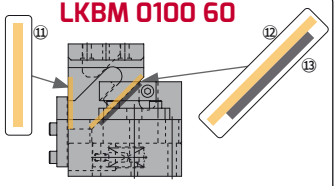








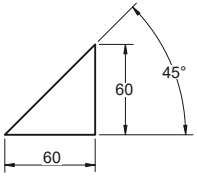
LKBM 0100 60



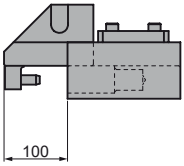
SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0100 - LKBM 0100

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
29.4 (3.0)	59.8 (6.0)	202.8 (20.8)	1146.1 (116.8)	38.0	LKCM LKBM	0100	60

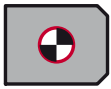
Order: Model (W) (Stroke)

LKCM 0100 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0100 60-P13

LKBM 0100 60-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

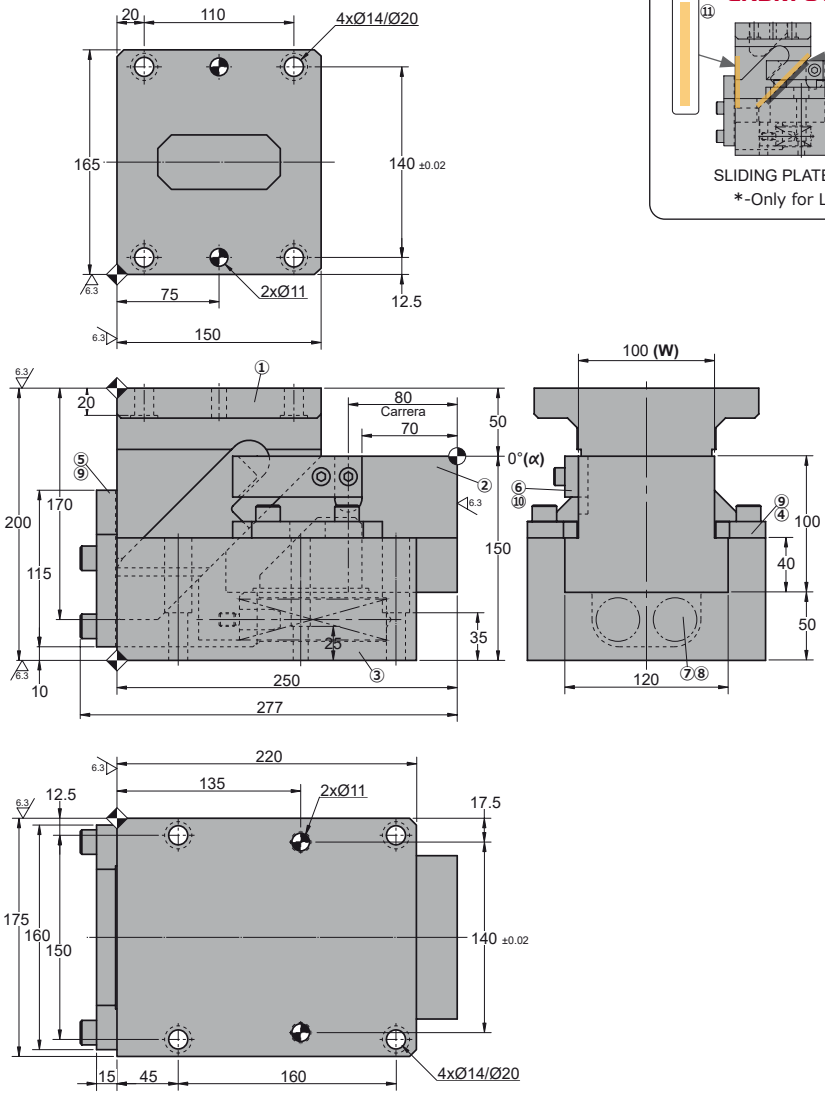
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-150
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCM 0100 - LKBM 0100

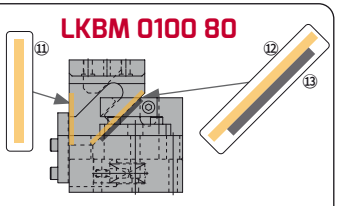
Die mounted cam for pierce and flange

AZOL GAS

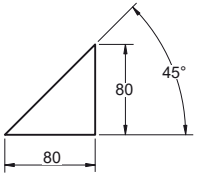
LKCM 0100 80



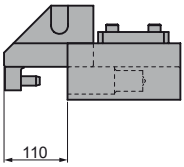
LKBM 0100 80



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0100 - LKBM 0100

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
29.4 (3.0)	58.8 (6.0)	170.4 (17.3)	1302.7 (132.5)	44.0	LKCM LKBM	0100	80

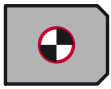
Order: Model (W) (Stroke)

LKCM 0100 80

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0100 80-P13

LKBM 0100 80-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

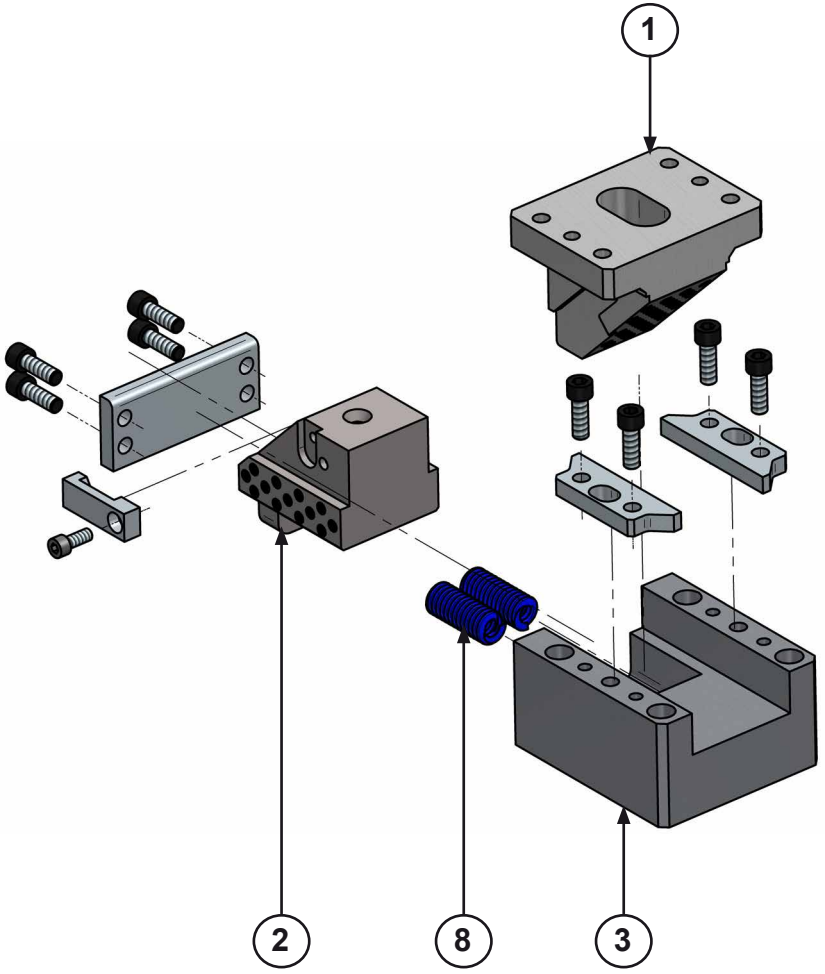
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF30-200
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 30
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCM 0100 - LKBM 0100

Die mounted cam for pierce and flange

LKCM 0150 - LKBM 0150

Die mounted cam for pierce and flange

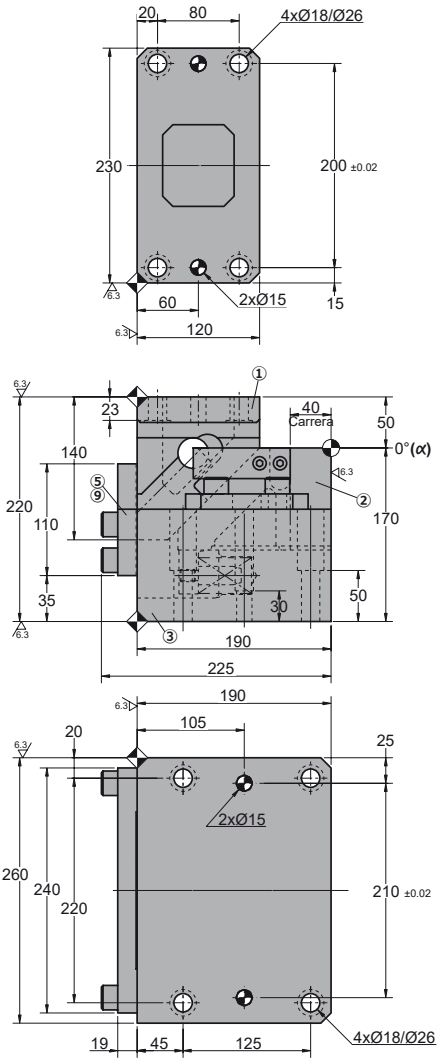


LKCM 0150 - LKBM 0150

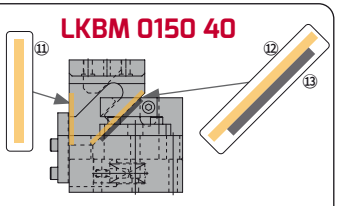
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0150 40



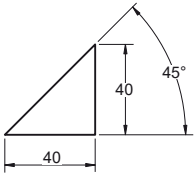
LKBM 0150 40



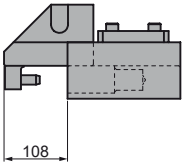
SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0150 - LKBM 0150

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
58.8 (6.0)	88.2 (9.0)	307.2 (31.4)	1841.3 (188.2)	63.0	LKCM LKBM	0150	40

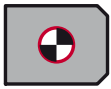
Order: Model (W) (Stroke)

LKCM 0150 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0150 40-P16

LKBM 0150 40-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

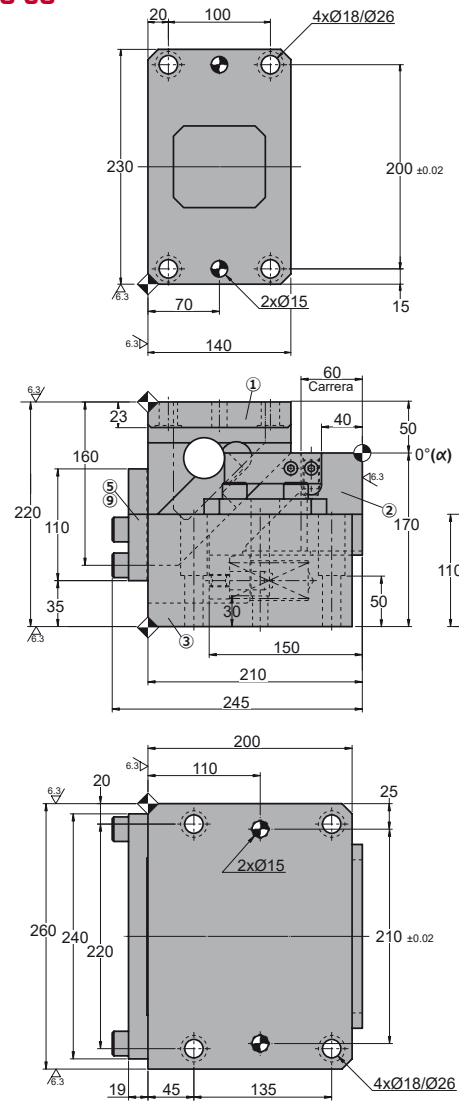
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-100
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0150 - LKBM 0150

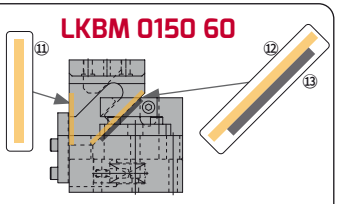
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0150 60



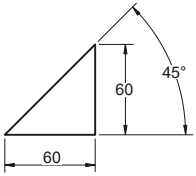
LKBM 0150 60



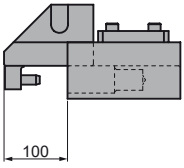
SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0150 - LKBM 0150

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
58.8 (6.0)	88.2 (9.0)	330.2 (33.8)	1867.3 (189.8)	69.0	LKCM LKBM	0150	60

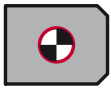
Order: Model (W) (Stroke)

LKCM 0150 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0150 60-P16

LKBM 0150 60-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

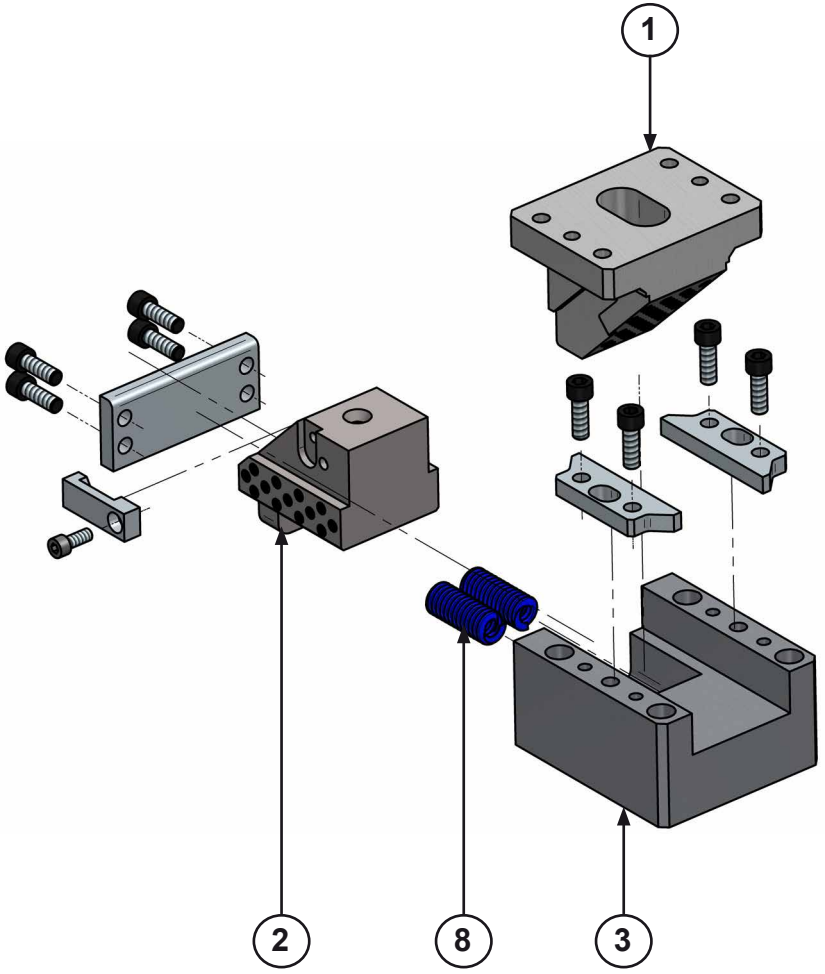
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-150
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0150 - LKBM 0150

Die mounted cam for pierce and flange

LKCM 0200 - LKBM 0200

Die mounted cam for pierce and flange

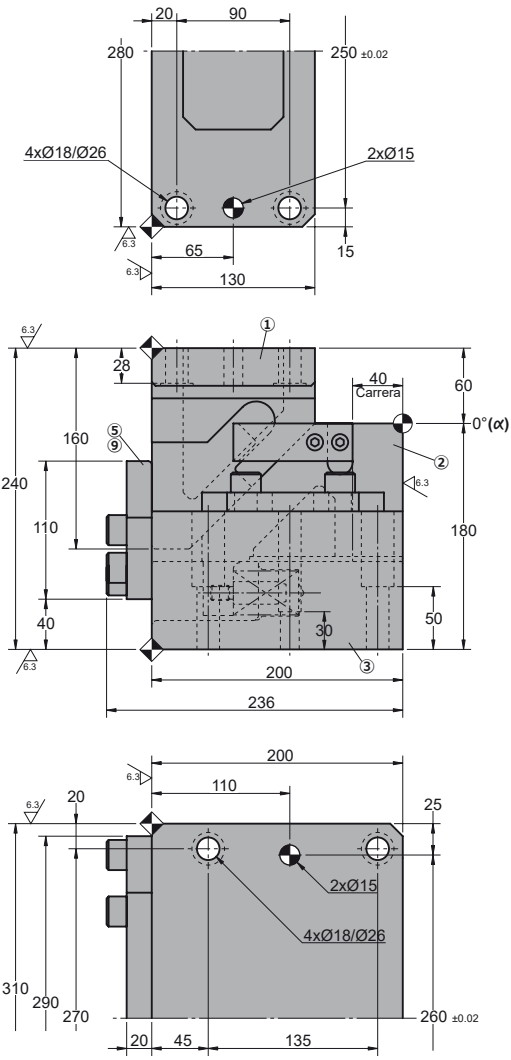


LKCM 0200 - LKBM 0200

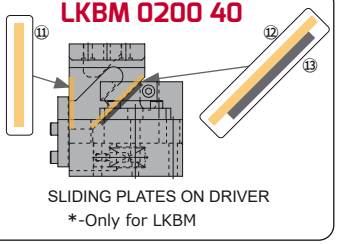
Die mounted cam for pierce and flange

AZOL GAS

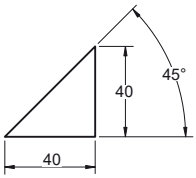
LKCM 0200 40



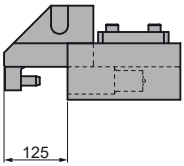
LKBM 0200 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0200 - LKBM 0200

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
78.4 (8.0)	117.6 (12.0)	460.8 (47.0)	2761.9 (282.2)	82.0	LKCM LKBM	0200	40

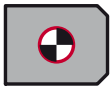
Order: Model (W) (Stroke)

LKCM 0200 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0200 40-P16

LKBM 0200 40-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

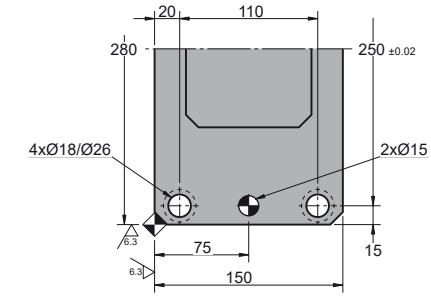
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF35-100
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

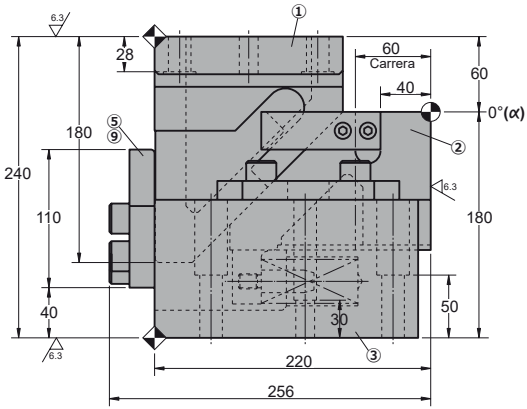
LKCM 0200 - LKBM 0200

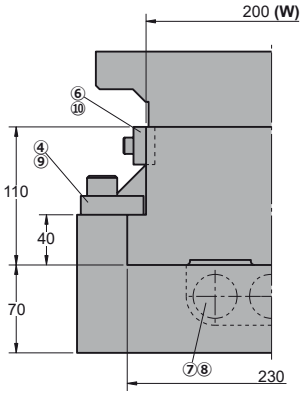
Die mounted cam for pierce and flange

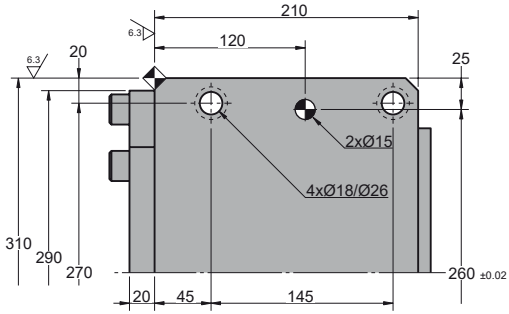
AZOL GAS

LKCM 0200 60

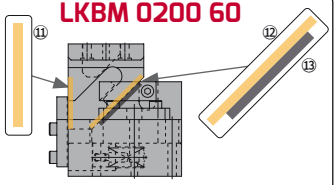




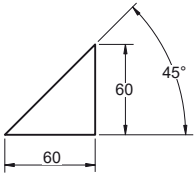




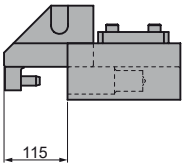
LKBM 0200 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0200 - LKBM 0200

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
78.4 (8.0)	117.6 (12.0)	495.3 (50.7)	2801.0 (284.7)	84.0	LKCM LKBM	0200	60

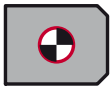
Order: Model (W) (Stroke)

LKCM 0200 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0200 60-P16

LKBM 0200 60-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

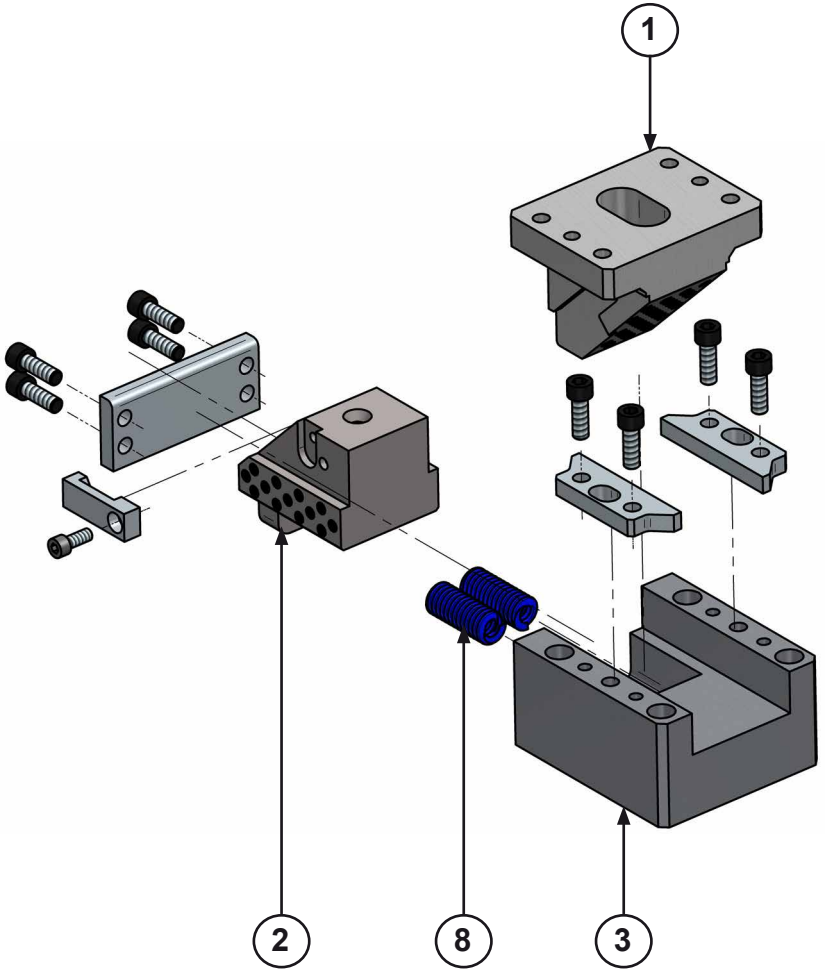
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF35-150
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0200 - LKBM 0200

Die mounted cam for pierce and flange

LKCM 0250 - LKBM 0250

Die mounted cam for pierce and flange

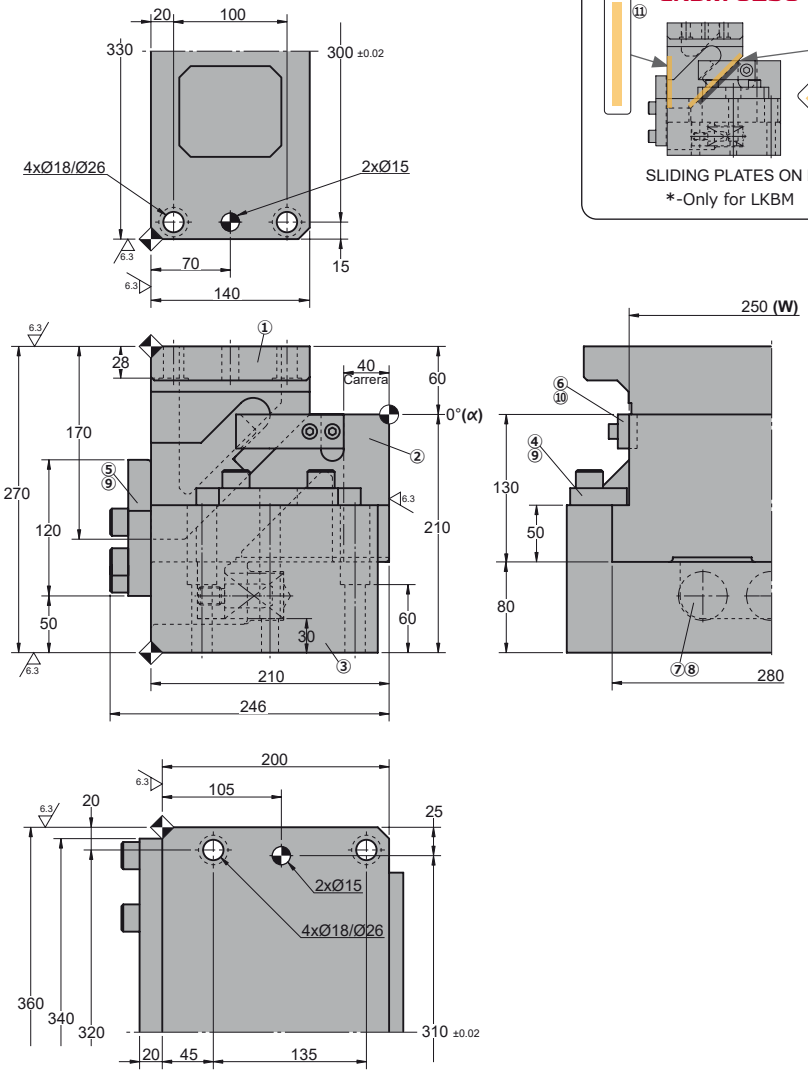


LKCM 0250 - LKBM 0250

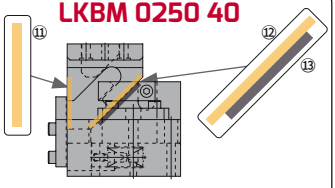
Die mounted cam for pierce and flange

AZOL GAS

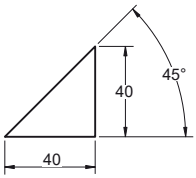
LKCM 0250 40



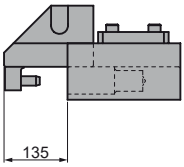
LKBM 0250 40



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0250 - LKBM 0250

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
98.0 (10.0)	147.0 (15.0)	602.4 (61.4)	3610.1 (368.6)	106.0	LKCM LKBM	0250	40

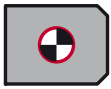
Order: Model (W) (Stroke)

LKCM 0250 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0250 40-P16

LKBM 0250 40-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

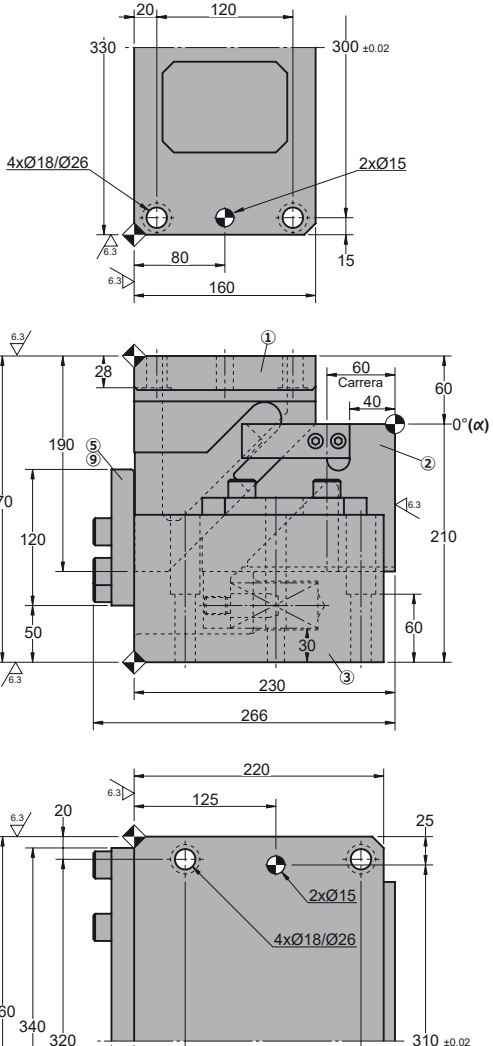
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-100
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0250 - LKBM 0250

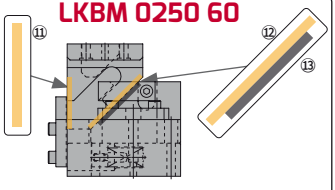
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0250 60

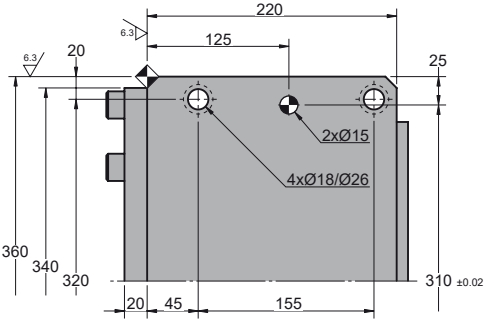


LKBM 0250 60

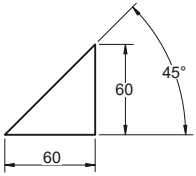


SLIDING PLATES ON DRIVER

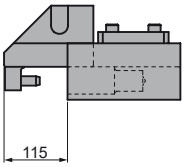
*-Only for LKBM



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0250 - LKBM 0250

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
98.0 (10.0)	147.0 (15.0)	651.3 (66.3)	3659.4 (372.3)	127.0	LKCM LKBM	0250	60

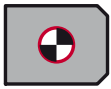
Order: Model (W) (Stroke)

LKCM 0250 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0250 60-P16

LKBM 0250 60-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

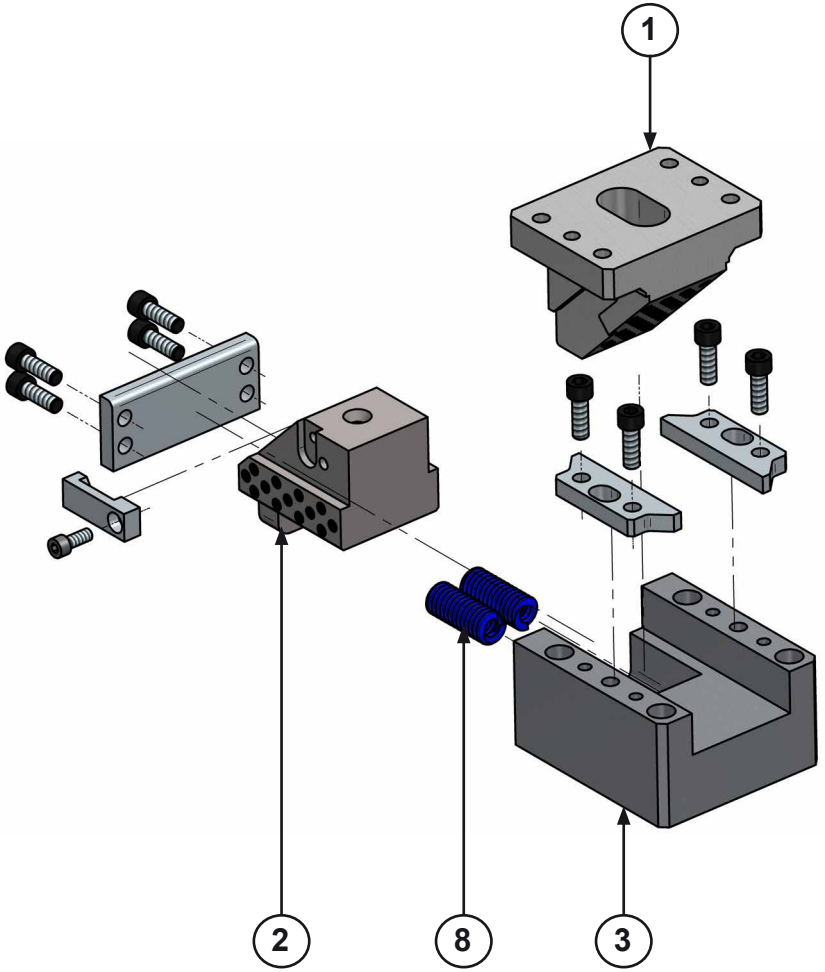
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-150
⑨	Screw	10	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0250 - LKBM 0250

Die mounted cam for pierce and flange

LKCM 0300 - LKBM 0300

Die mounted cam for pierce and flange

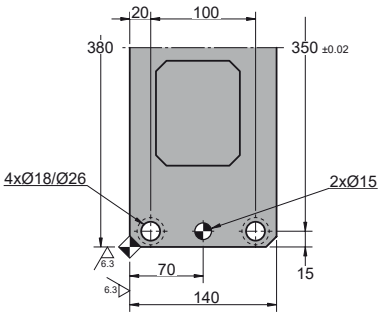


LKCM 0300 - LKBM 0300

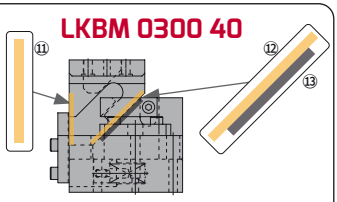
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0300 40

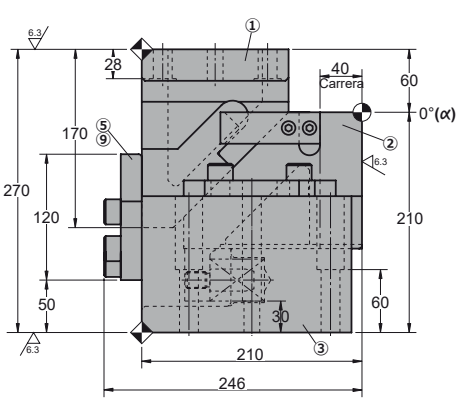


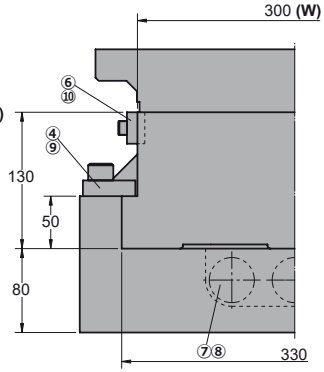
LKBM 0300 40

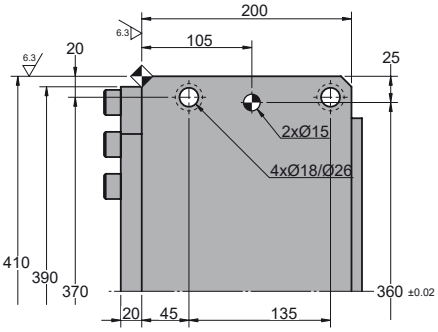


SLIDING PLATES ON DRIVER

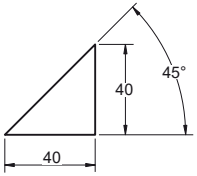
*-Only for LKBM



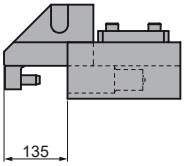




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0300 - LKBM 0300

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
117.6 (12.0)	176.4 (18.0)	602.4 (61.4)	3610.1 (368.6)	106.0	LKCM LKBM	300	40

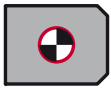
Order: Model (W) (Stroke)

LKCM 0300 40

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0300 40-P16

LKBM 0300 40-P16

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

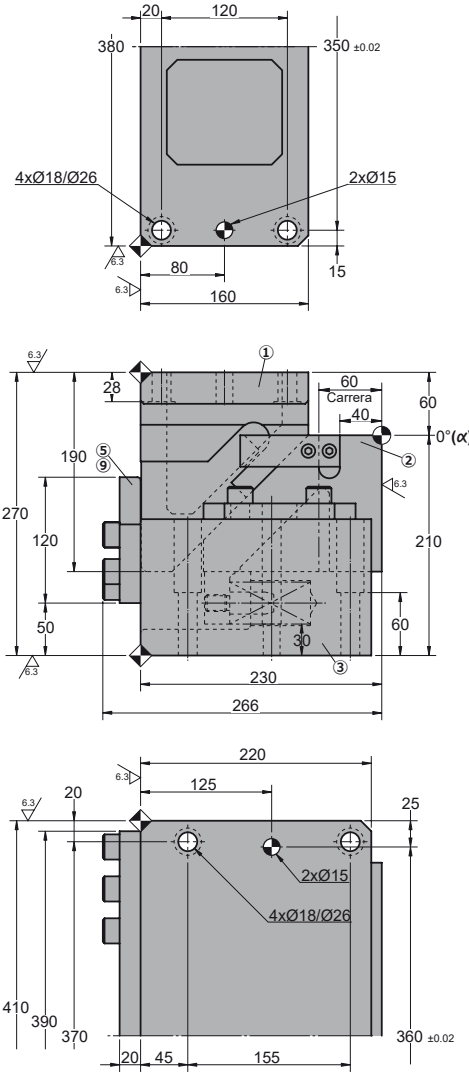
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-100
⑨	Screw	12	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0300 - LKBM 0300

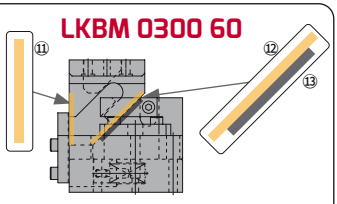
Die mounted cam for pierce and flange

AZOL GAS

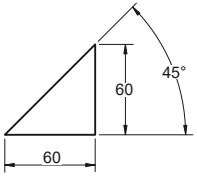
LKCM 0300 60



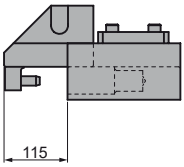
LKBM 0300 60



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCM 0300 - LKBM 0300

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
117.6 (12.0)	176.4 (18.0)	651.3 (66.3)	3659.4 (372.3)	128.0	LKCM LKBM	300	60

Order: Model (W) (Stroke)

LKCM 0300 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS

P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0300 60-P16

LKBM 0300 60-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

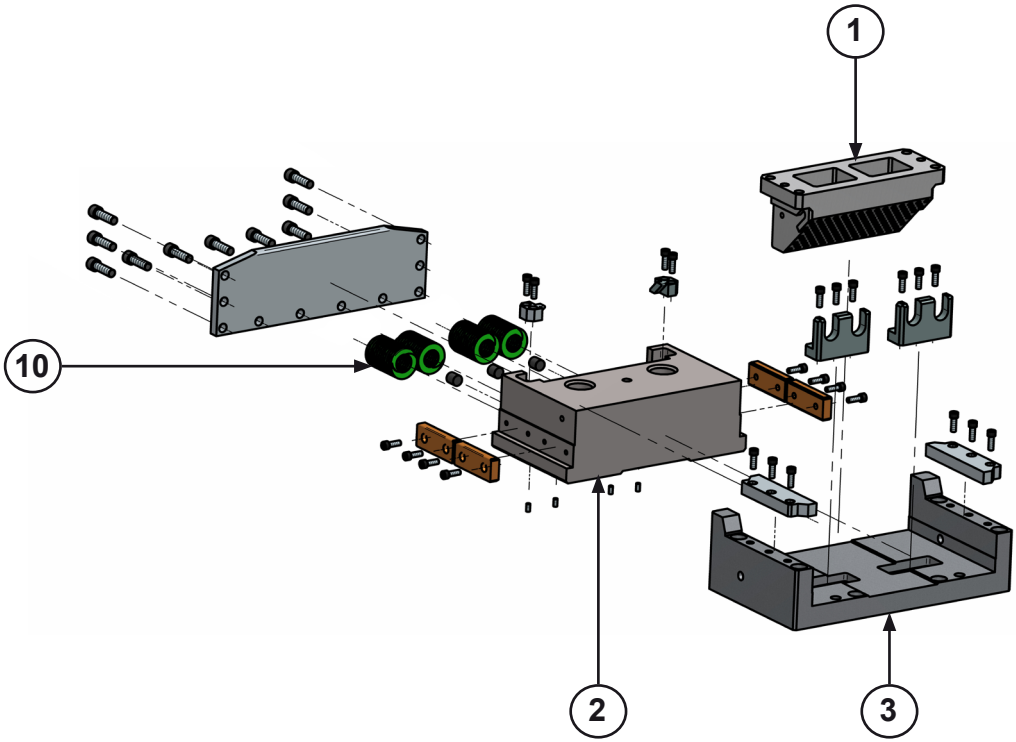
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	3	CK45
⑧	Coil Spring	3	TF40-150
⑨	Screw	12	M16 x 45
⑩	Screw	4	M8 x 30
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCM 0300 - LKBM 0300

Die mounted cam for pierce and flange

LKCM 0400-0500-0600 - LKBM 0400

Die mounted cam for pierce and flange

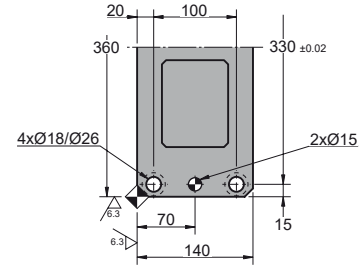


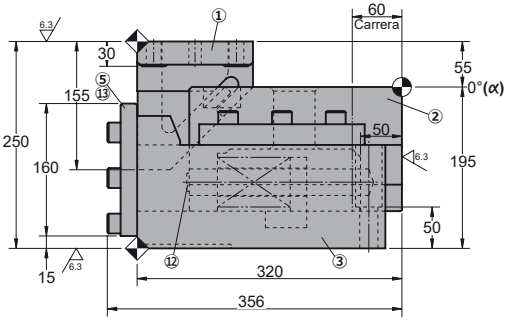
LKCM 0400 - LKBM 0400

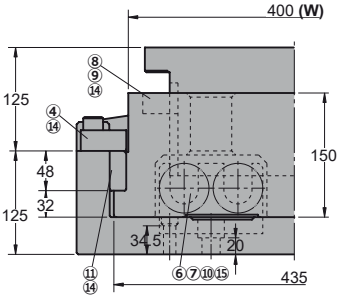
Die mounted cam for pierce and flange

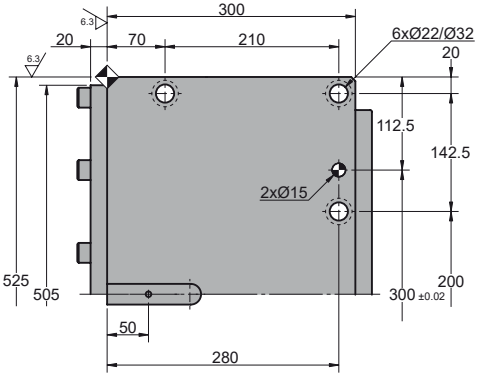
AZOL GAS

LKCM 0400 60

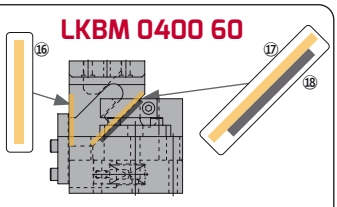








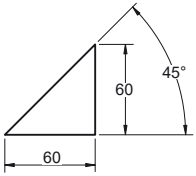
LKBM 0400 60



SLIDING PLATES ON DRIVER

*-Only for LKBM

◦Cam diagram:



◦Disassembling space:

AZOL GAS

LKCM 0400 - LKBM 0400

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	203.0	LKCM LKBM	0400	60

Order: Model (W) (Stroke)

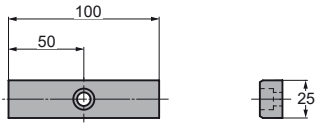
LKCM 0400 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

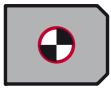
K KEY

K



1 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0400 60-K
LKCM 0400 60-P16
LKCM 0400 60-K-P16
LKBM 0400 60-K

SPARE PARTS:

⑩ Coil Spring
⑯ Sliding Plate 1*
⑰ Sliding Plate 2*
⑱ Sliding Plate 3*

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	3	Goma
⑬	Screw	16	M16 x 55
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

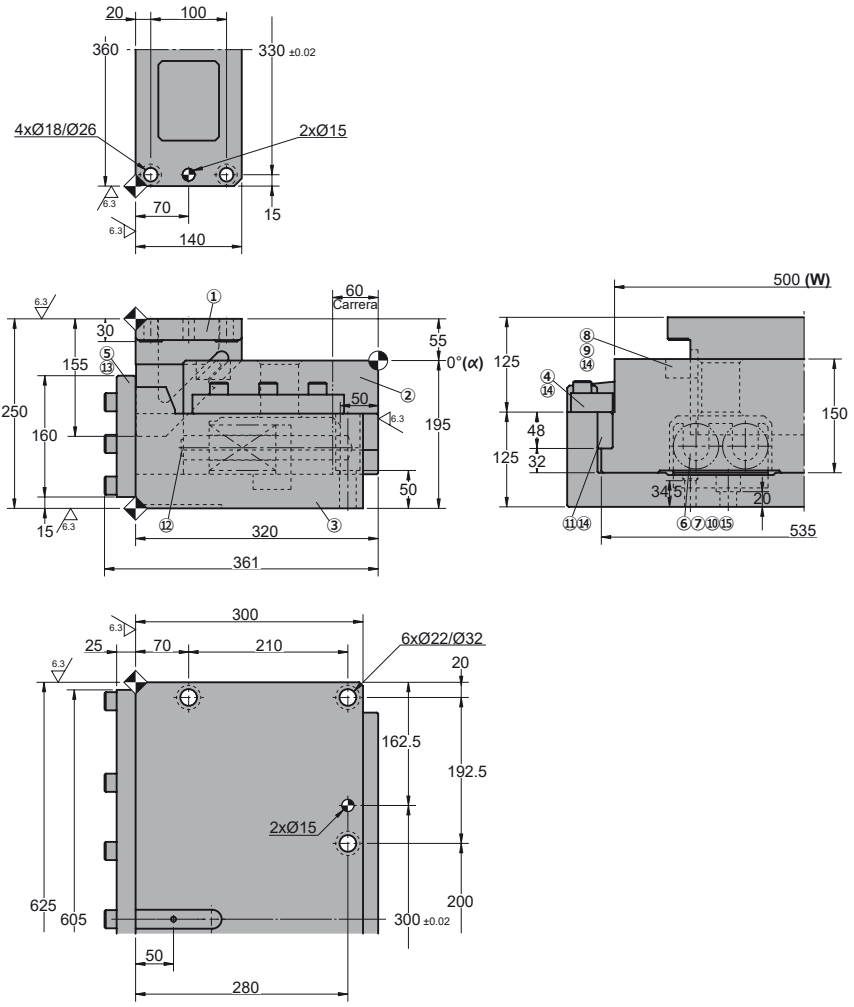
No.	Description	Qty.	Material
*⑯	Sliding Plate 1	2	Bronze + G
*⑰	Sliding plate 2	2	Bronze + G
*⑱	Sliding plate 3	2	CK45

LKCM 0500

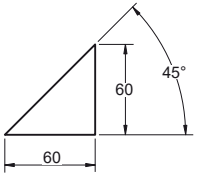
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0500 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LKCM 0500

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	237.0	LKCM	0500	60

Order: Model (W) (Stroke)

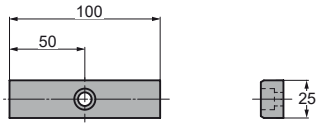
LKCM 0500 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

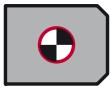
K KEY

K



1 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0500 60-K
LKCM 0500 60-P16
LKCM 0500 60-K-P16

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

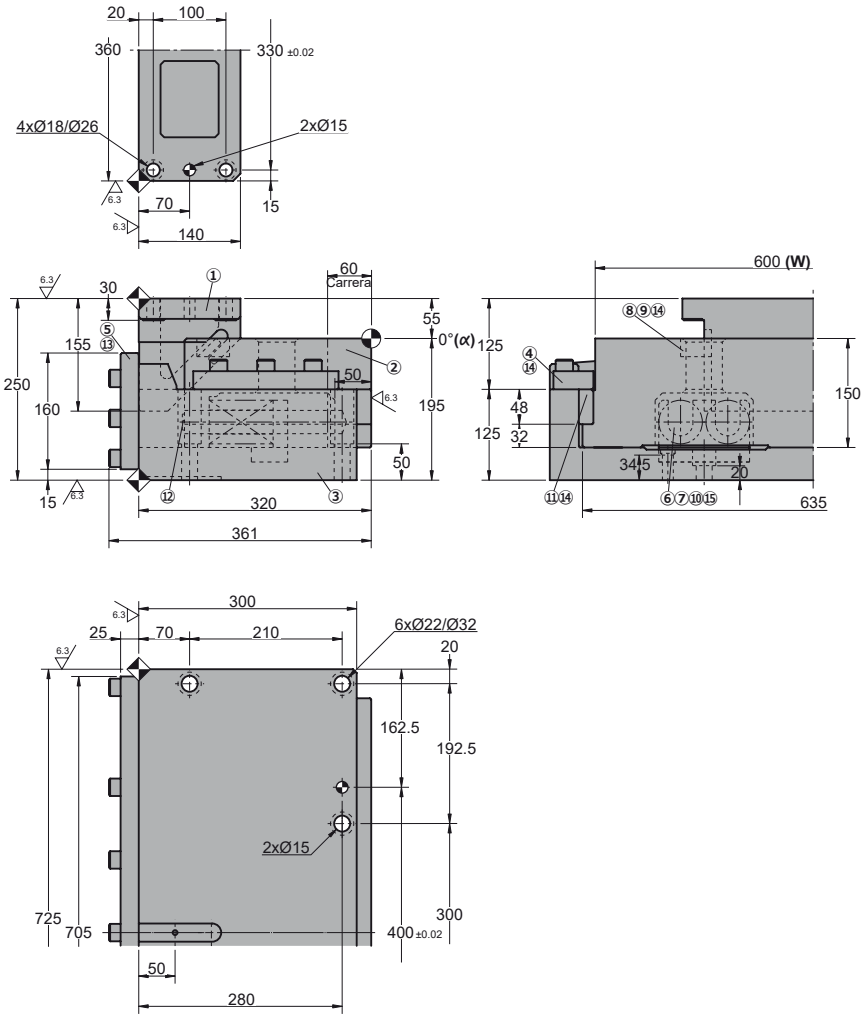
No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	5	Goma
⑬	Screw	17	M16 x 45
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

LKCM 0600

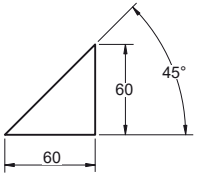
Die mounted cam for pierce and flange

AZOL GAS

LKCM 0600 60



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LKCM 0600

Die mounted cam for pierce and flange

Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	Stroke (mm)
(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
137.2 (14.0)	205.8 (21.0)	301.6 (30.7)	9332.2 (952.3)	279.0	LKCM	0600	60

Order: Model (W) (Stroke)

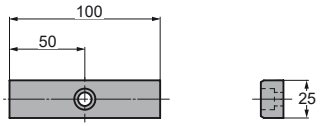
LKCM 0600 60

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

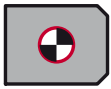
K KEY

K



1 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (Stroke) -Option

LKCM 0600 60-K
LKCM 0600 60-P16
LKCM 0600 60-K-P16

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG25 + G
②	Cam Slider	1	GGG25 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GGG25 + G
⑤	Stopper Plate	1	CK45
⑥	Spring Spacer	2	CK45
⑦	Spring Guide	4	CK45
⑧	Positive Return-1	1	CK45
⑨	Positive Return-2	1	CK45
⑩	Coil Spring	4	TF60-150 (Tohatsu)
⑪	Guide Plate	4	GG25 + G (48x125x20)
⑫	Stopper	5	Goma
⑬	Screw	17	M16 x 55
⑭	Screw	18	M10 x 30
⑮	Dowel Pin	4	Ø10 x 60

LKCM 0400-0500-0600 - LKBM 0400

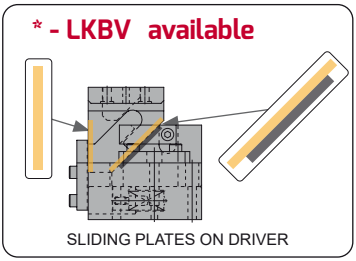
Die mounted cam for pierce and flange

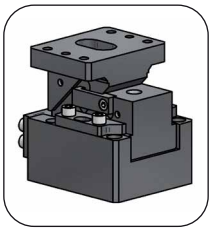
AZOL GAS

LKCV-LKBV

Die mounted cam for pierce and flange

General information



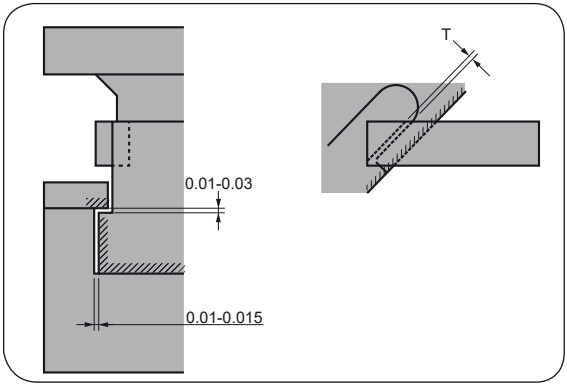


LKCV 0065*
LKCV 0100*
LKCV 0150*

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 45 mm Stroke.

Adjustment clearances

LKCV 0065	LKBV 0065
LKCV 0100	LKBV 0100
LKCV 0150	LKBV 0150



- T: 1,5 mm clearance for 65mm width and 2 mm for 100mm width or more.

LKCV-LKBV

Die mounted cam for pierce and flange

AZOL GAS

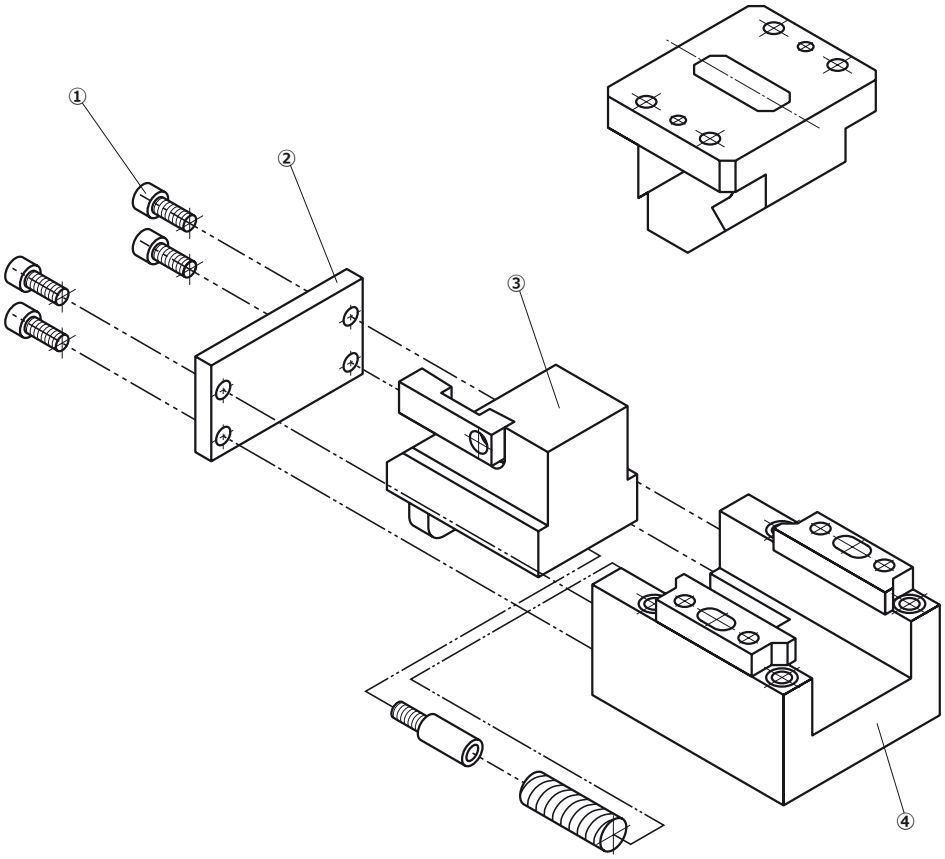
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

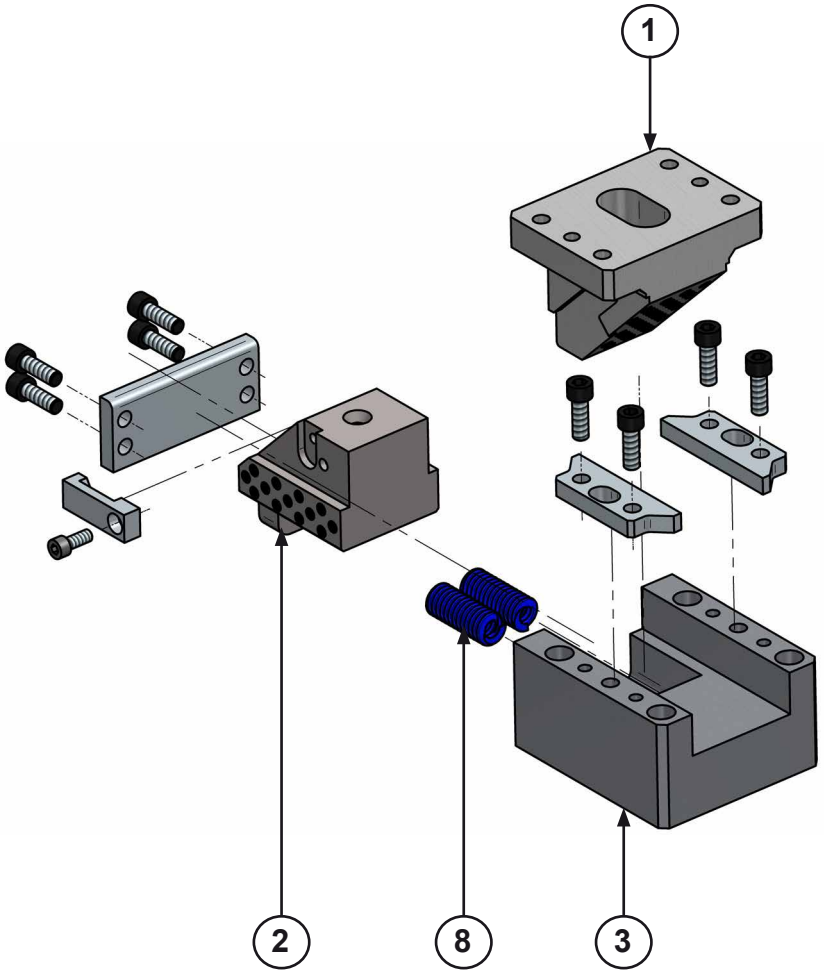
Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCV 0065 - LKBV 0065

Die mounted cam for pierce and flange

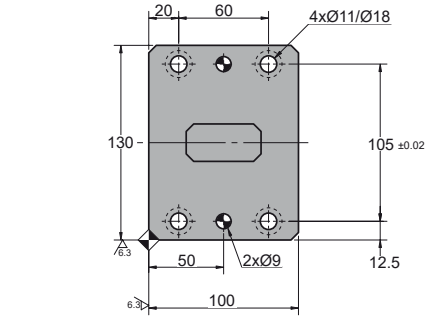


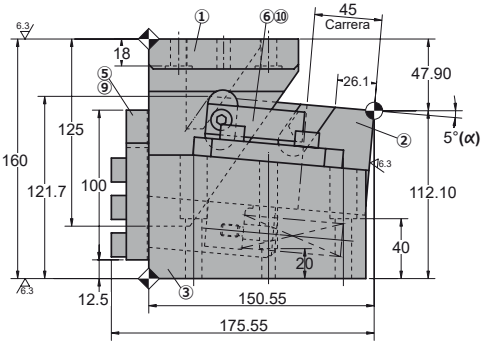
LKCV 0065 - LKBV 0065

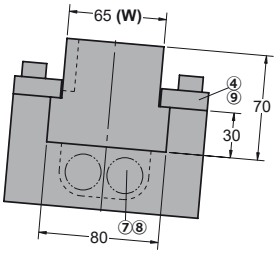
Die mounted cam for pierce and flange

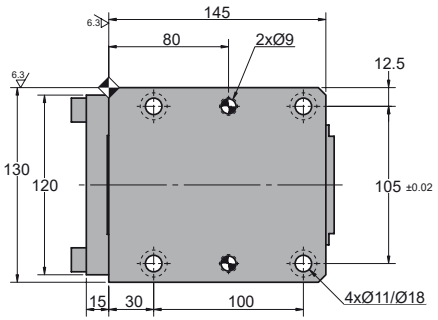
AZOL GAS

LKCV 0065 05

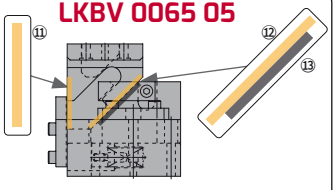




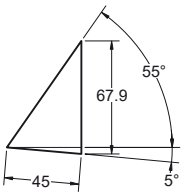




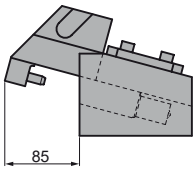
LKBV 0065 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0065 - LBV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	19.0	LKCV LKBV	0065	05

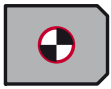
Order: Model (W) (α)

LKCV 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCV 0065 05-P10

LKBV 0065 05-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

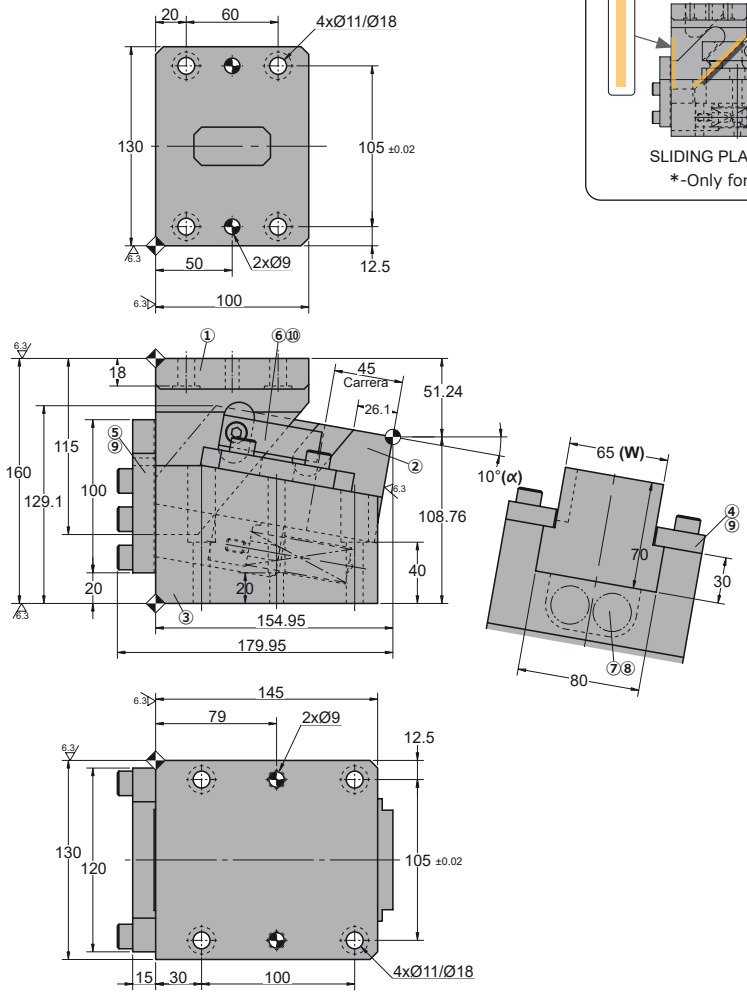
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0065 - LKBV 0065

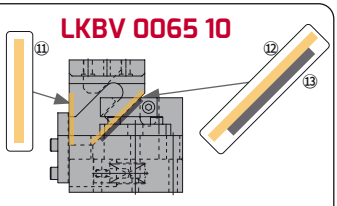
Die mounted cam for pierce and flange

AZOL GAS

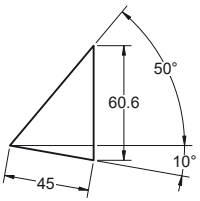
LKCV 0065 10



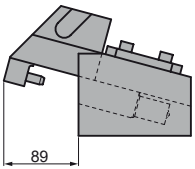
LKBV 0065 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0065 - LBV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	19.6	LKCV LKBV	0065	10

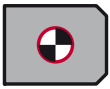
Order: Model (W) (α)

LKCV 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCV 0065 10-P10

LKBV 0065 10-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

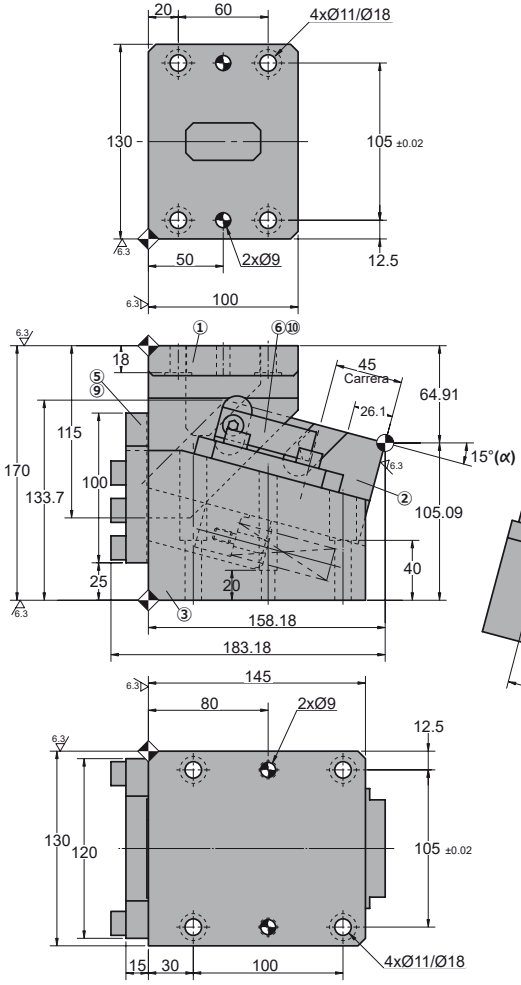
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

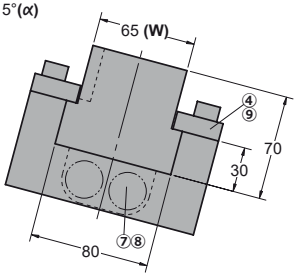
LKCV 0065 - LKBV 0065

Die mounted cam for pierce and flange

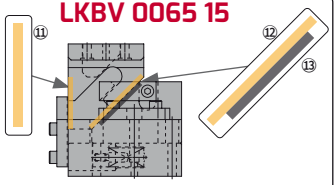
AZOL GAS

LKCV 0065 15





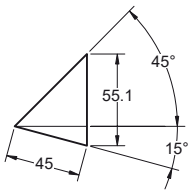
LKBV 0065 15



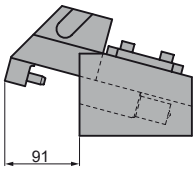
SLIDING PLATES ON DRIVER

*-Only for LKBV

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0065 - LBV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	22.3	LKCV LKBV	0065	15

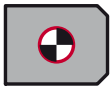
Order: Model (W) (α)

LKCV 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCV 0065 15-P10

LKBV 0065 15-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

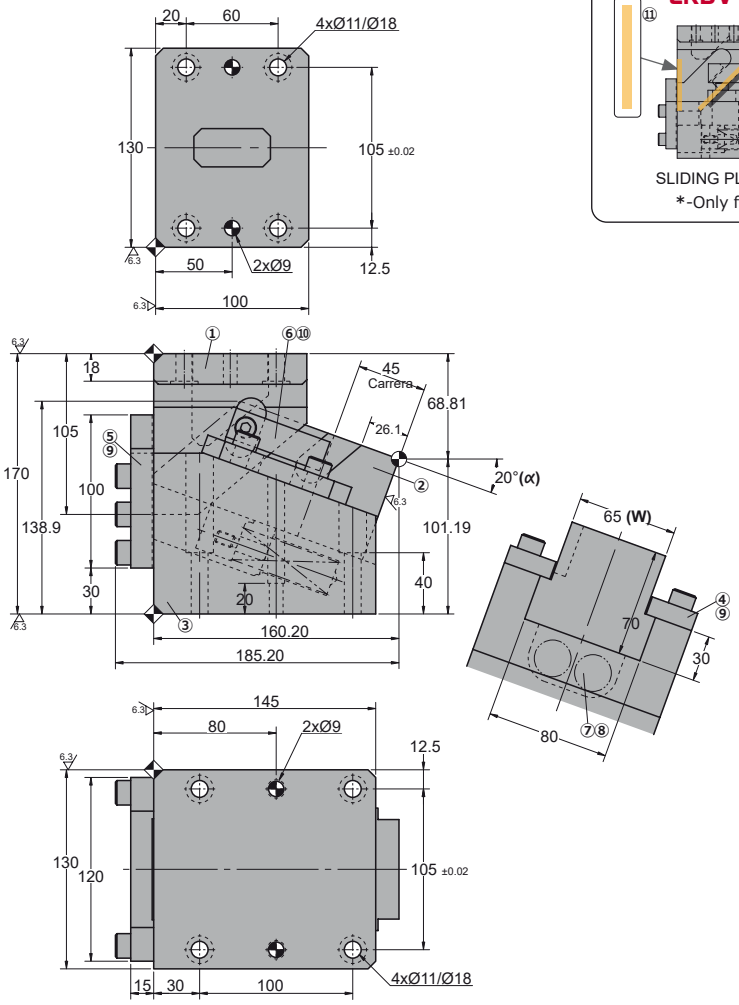
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0065 - LKBV 0065

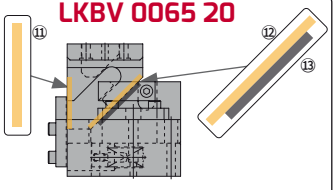
Die mounted cam for pierce and flange

AZOL GAS

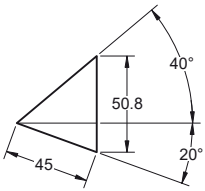
LKCV 0065 20



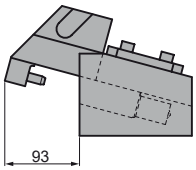
LKBV 0065 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0065 - LBV 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	19.6 (2.0)	39.2 (4.0)	176.4 (17.9)	741.0 (75.5)	22.3	LKCV LKBV	0065	20

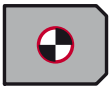
Order: Model (W) (α)

LKCV 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCV 0065 20-P10

LKBV 0065 20-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

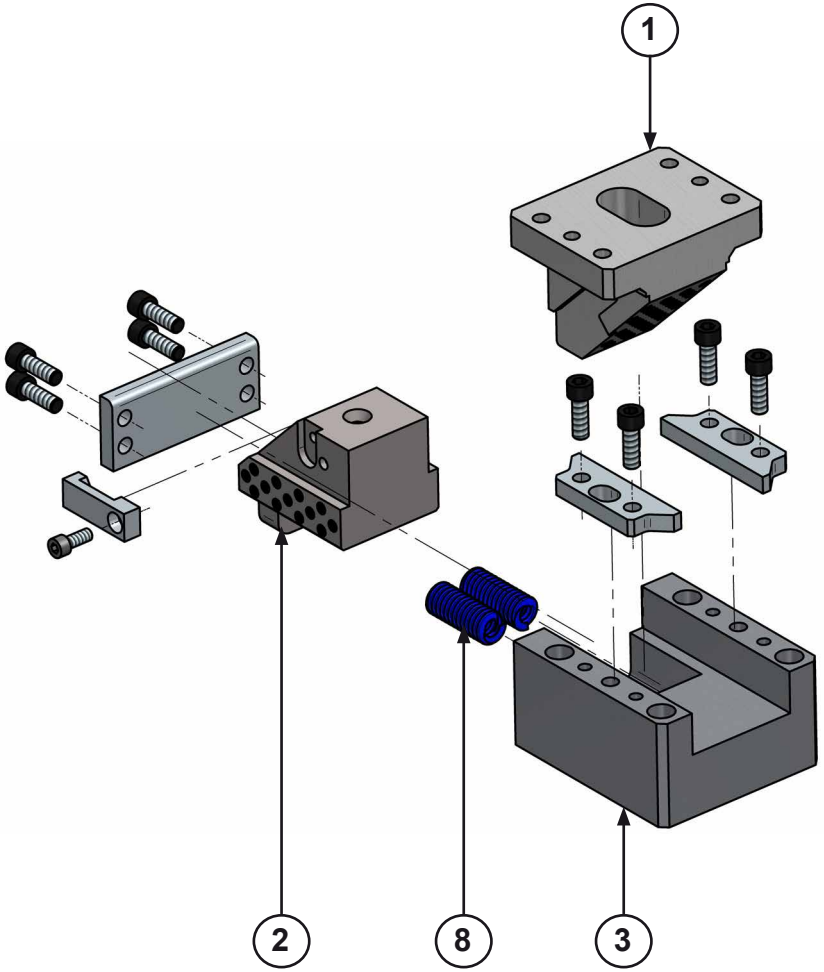
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF22-125
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0065 - LKBV 0065

Die mounted cam for pierce and flange

LKCV 0100 - LKBV 0100

Die mounted cam for pierce and flange

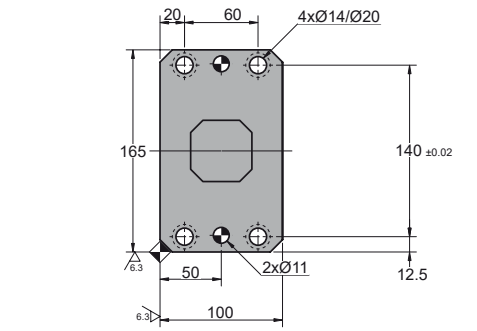


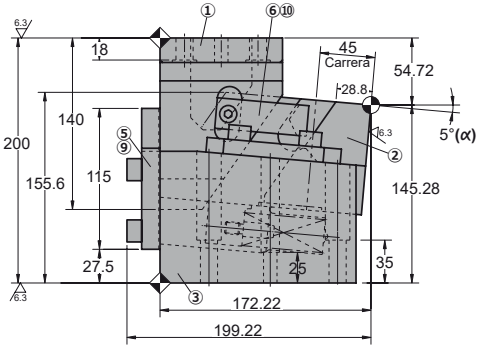
LKCV 0100 - LKBV 0100

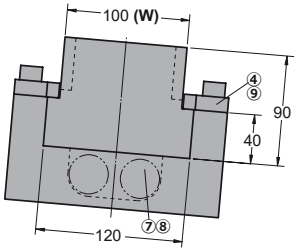
Die mounted cam for pierce and flange

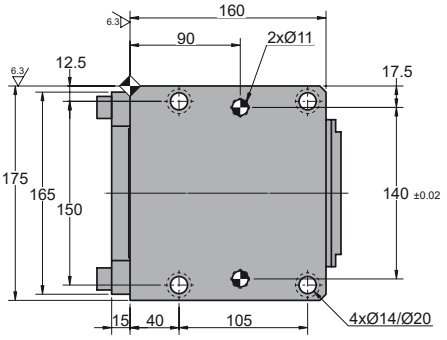
AZOL GAS

LKCV 0100 05

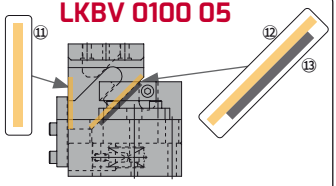




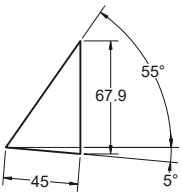




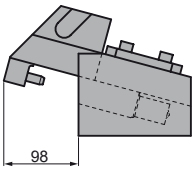
LKBV 0100 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0100 - LKBV 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV LKBV	0100	05

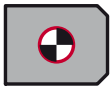
Order: Model (W) (α)

LKCV 0100 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCV 0100 05-P13

LKBV 0100 05-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

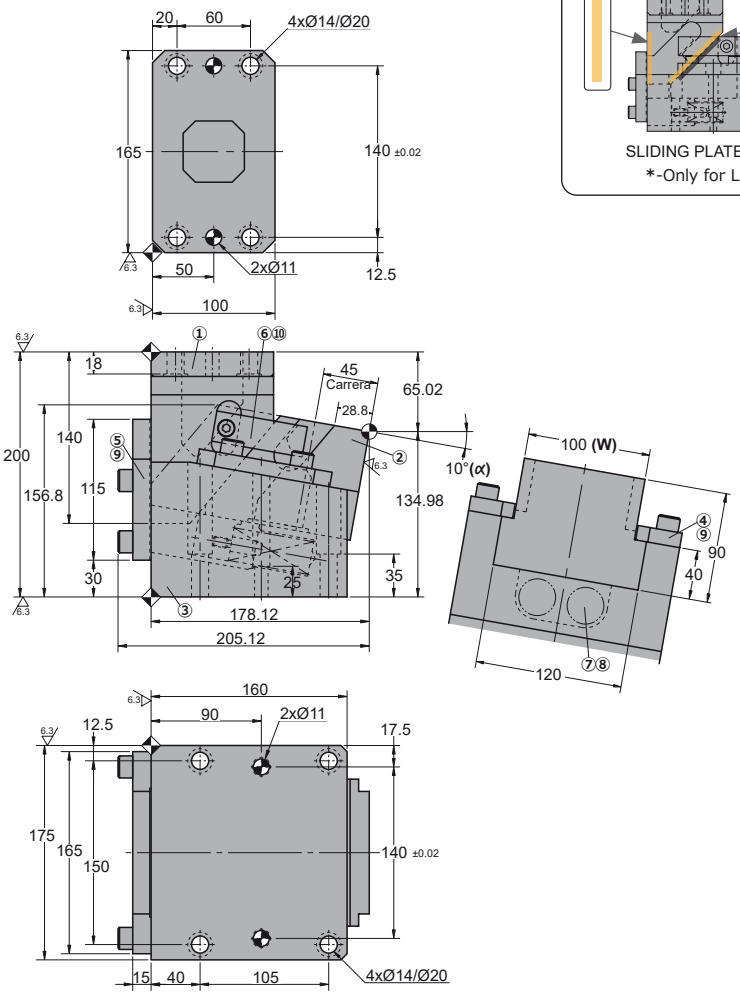
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0100 - LKBV 0100

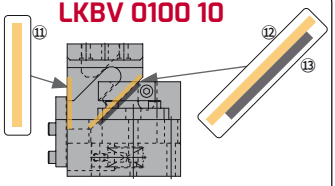
Die mounted cam for pierce and flange

AZOL GAS

LKCV 0100 10



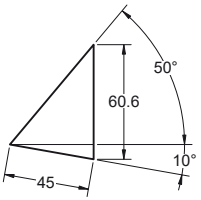
LKBV 0100 10



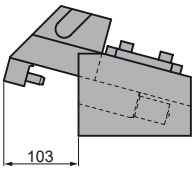
SLIDING PLATES ON DRIVER

*-Only for LKBV

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0100 - LKBV 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV / LKBV	0100	10

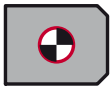
Order: Model (W) (α)

LKCV 0100 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCV 0100 05-P13

LKBV 0100 05-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

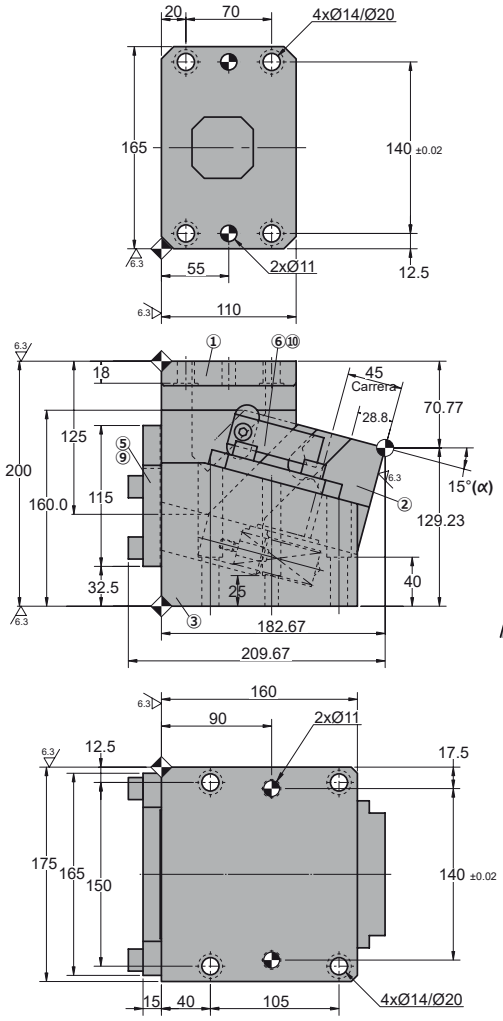
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0100 - LKBV 0100

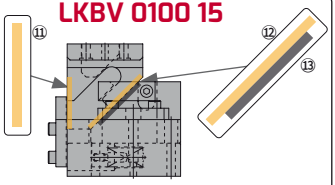
Die mounted cam for pierce and flange

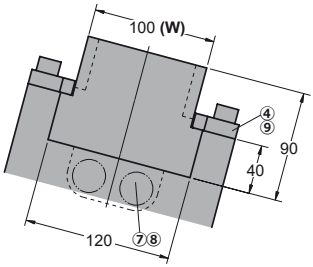
AZOL GAS

LKCV 0100 15

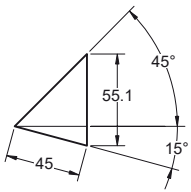


LKBV 0100 15

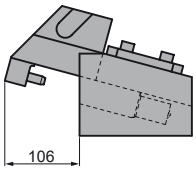




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0100 - LKBV 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	33.0	LKCV / LKBV	0100	15

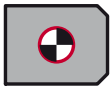
Order: Model (W) (α)

LKCV 0100 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCV 0100 15-P13

LKBV 0100 15-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

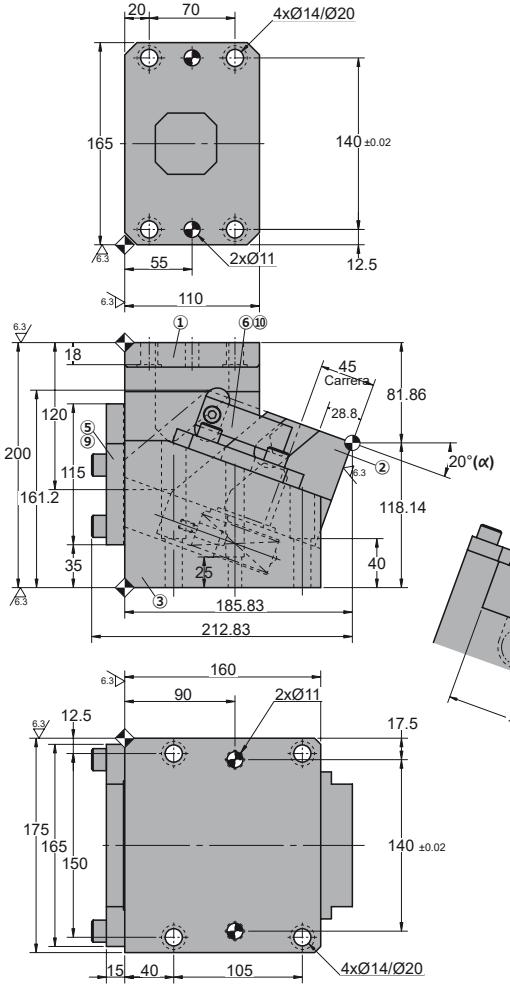
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0100 - LKBV 0100

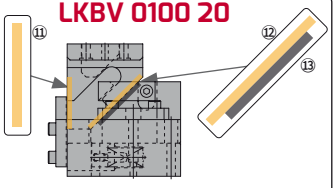
Die mounted cam for pierce and flange

AZOL GAS

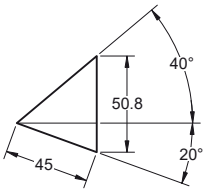
LKCV 0100 20



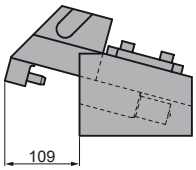
LKBV 0100 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0100 - LKBV 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	39.2 (4.0)	78.4 (8.0)	263.2 (26.9)	1111.6 (113.3)	32.0	LKCV LKBV	0100	20

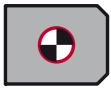
Order: Model (W) (α)

LKCV 0100 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCV 0100 20-P13

LKBV 0100 20-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

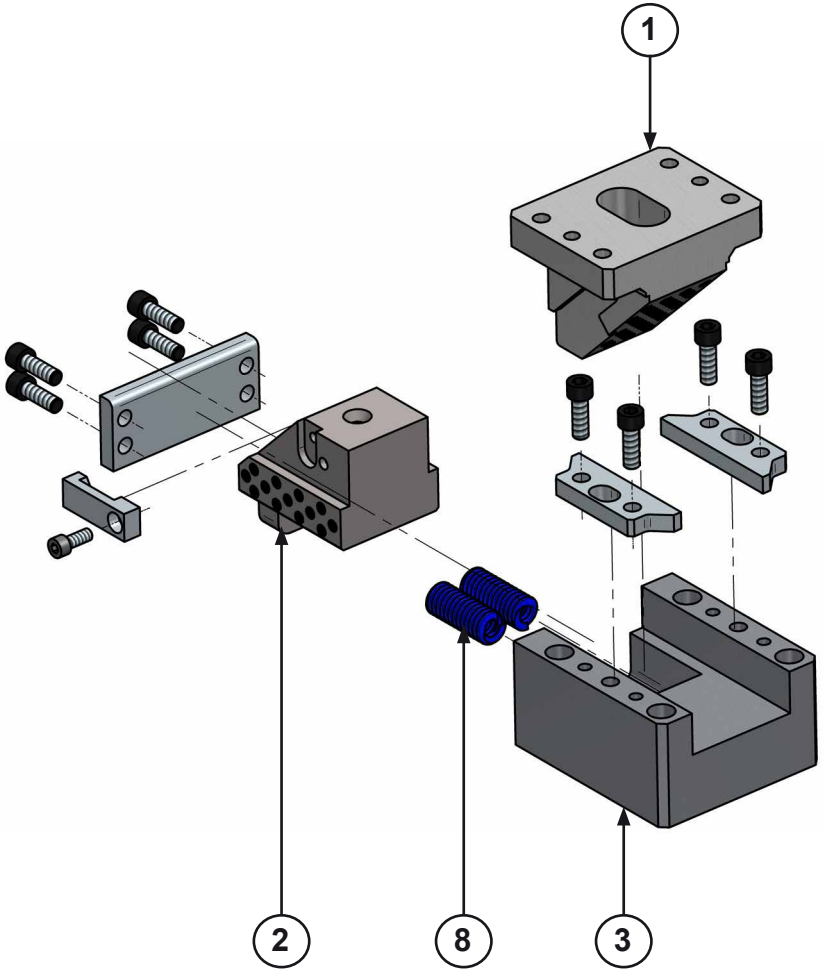
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-125
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCV 0100 - KLBV 0100

Die mounted cam for pierce and flange

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

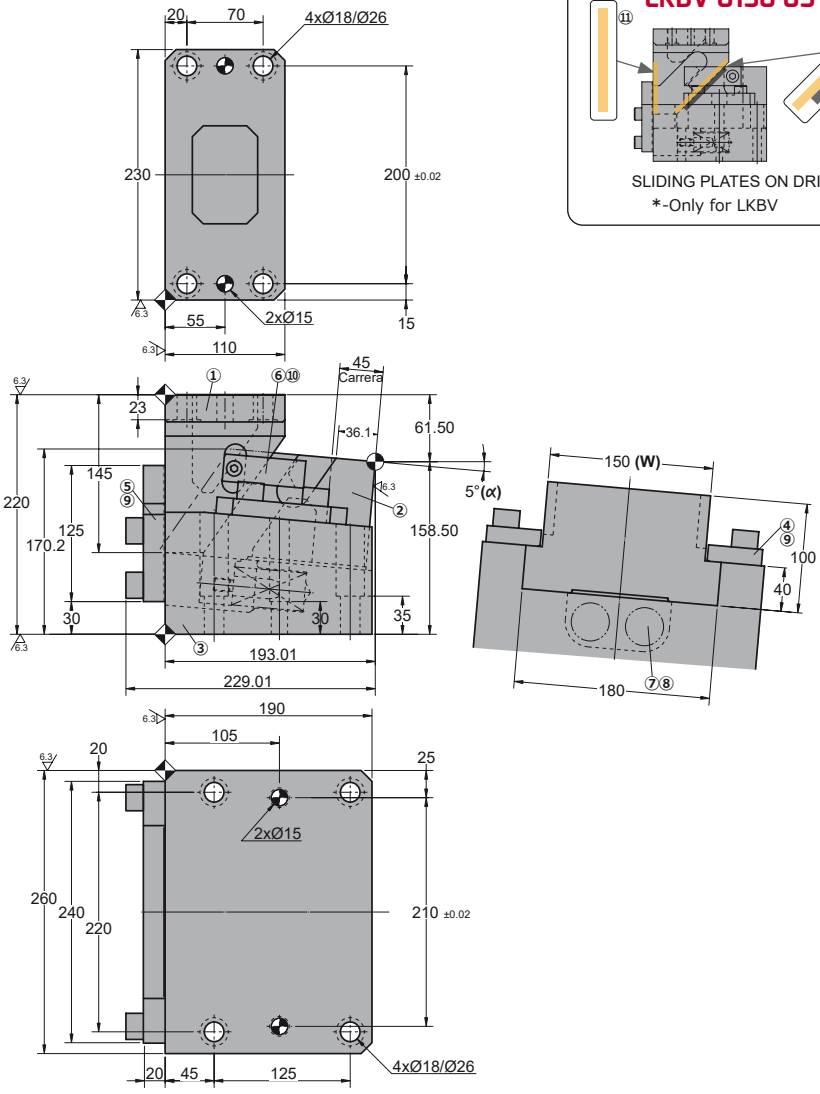


LKCV 0150 - LKBV 0150

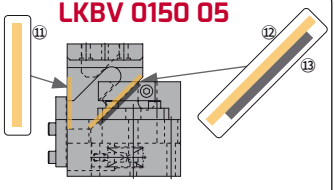
Die mounted cam for pierce and flange

AZOL GAS

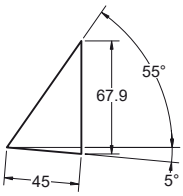
LKCV 0150 05



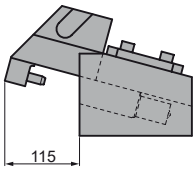
LKBV 0150 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	62.0	LKCV / LKBV	0150	05

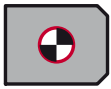
Order: Model (W) (α)

LKCV 0150 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCV 0150 05-P16

LKBV 0150 05-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

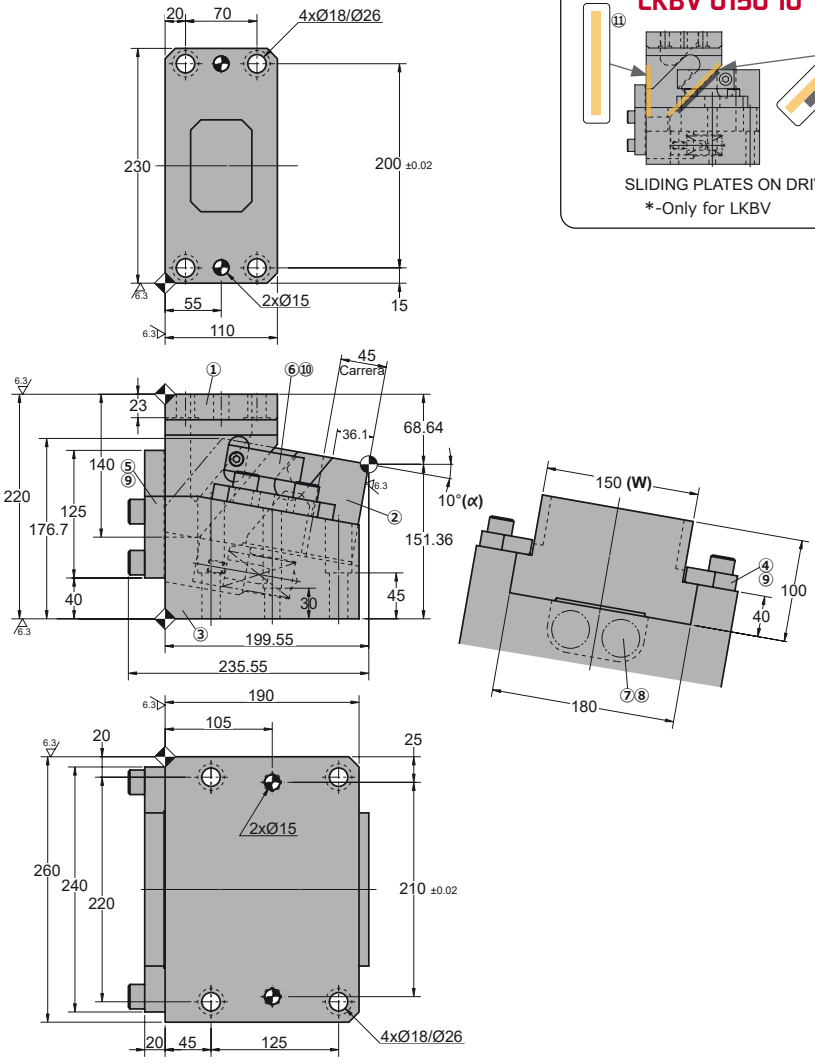
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCV 0150 - LKBV 0150

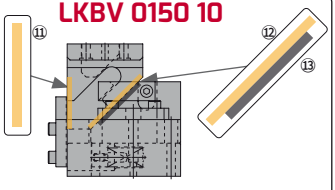
Die mounted cam for pierce and flange

AZOL GAS

LKCV 0150 10



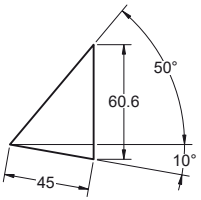
LKBV 0150 10



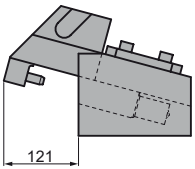
SLIDING PLATES ON DRIVER

*-Only for LKBV

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	63.0	LKCV / LKBV	0150	10

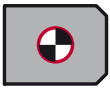
Order: Model (W) (α)

LKCV 0150 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCV 0150 10-P16

LKBV 0150 10-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

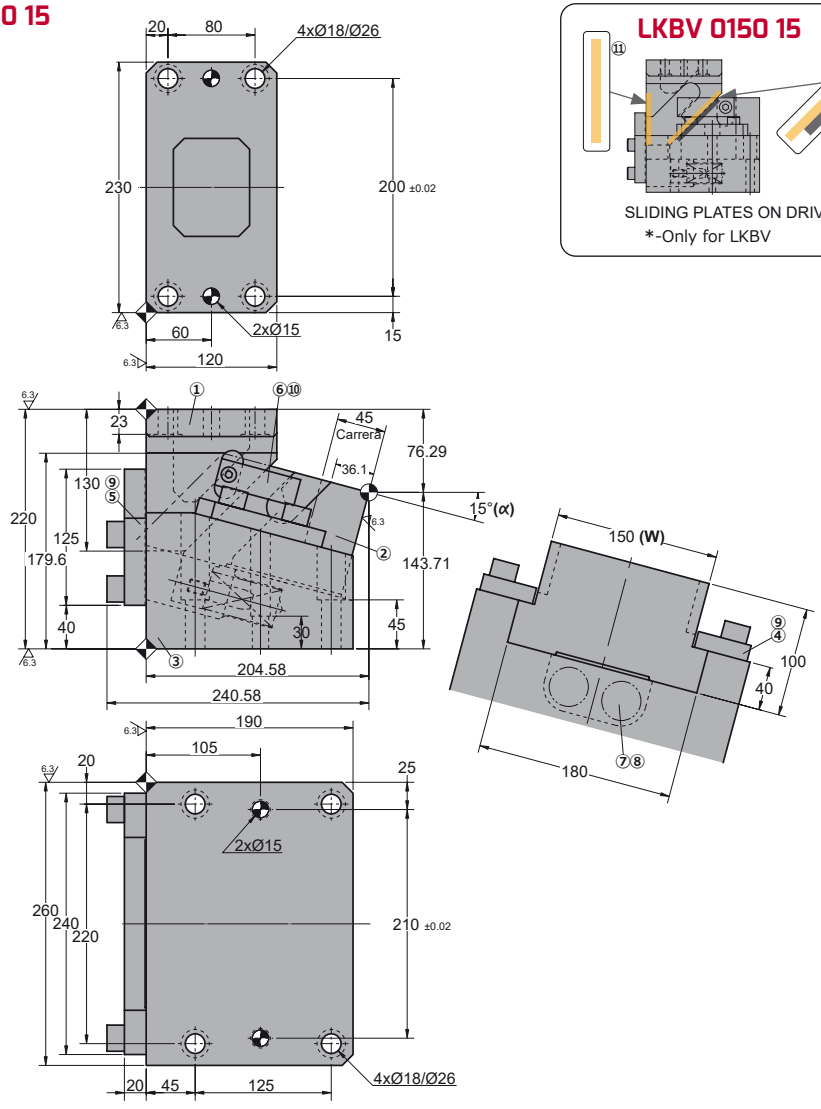
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCV 0150 - LKBV 0150

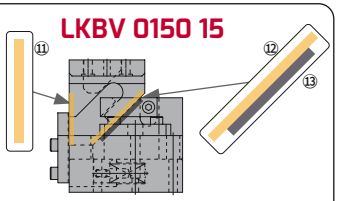
Die mounted cam for pierce and flange

AZOL GAS

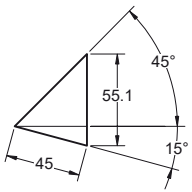
LKCV 0150 15



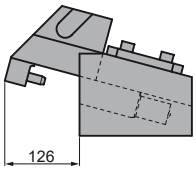
LKBV 0150 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	65.0	LKCV / LKBV	0150	15

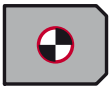
Order: Model (W) (α)

LKCV 0150 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCV 0150 15-P16

LKBV 0150 15-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

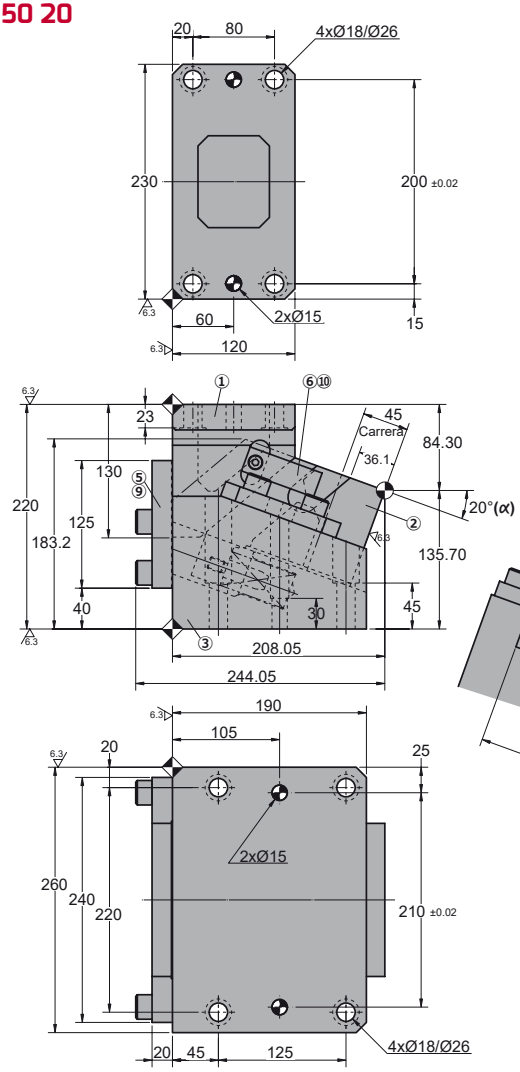
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCV 0150 - LKBV 0150

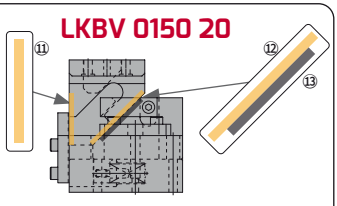
Die mounted cam for pierce and flange

AZOL GAS

LKCV 0150 20



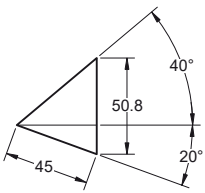
LKBV 0150 20



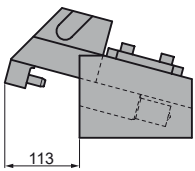
SLIDING PLATES ON DRIVER

*-Only for LKBV

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
45.0	64.7 (6.6)	98.0 (10.0)	428.4 (43.7)	1810.1 (184.1)	66.0	LKCV / LKBV	0150	20

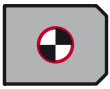
Order: Model (W) (α)

LKCV 0150 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCV 0150 20-P16

LKBV 0150 20-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-125
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCV 0150 - LKBV 0150

Die mounted cam for pierce and flange

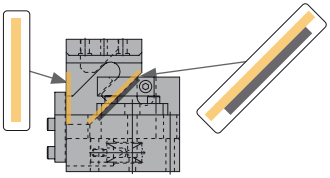
AZOL GAS

LKCZ-LKBZ

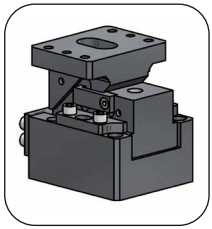
Die mounted cam for pierce and flange

General information

*** - LKBZ available**



SLIDING PLATES ON DRIVER

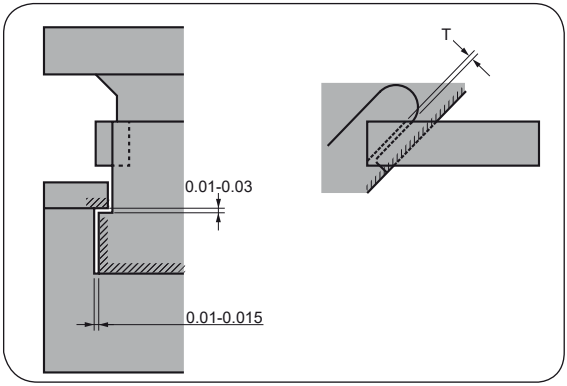


LKCZ 0065*
LKCZ 0100*
LKCZ 0150*

- Die mounted cam.
- Angles from 5° to 20° with increments of 5°.
- 70 mm Stroke.

Adjustment clearances

LKCZ 0065	LKBZ 0065
LKCZ 0100	LKBZ 0100
LKCZ 0150	LKBZ 0150



- T: 1,5 mm clearance for 65mm width and 2 mm for 100mm width or more.

LKCZ-LKBZ

Die mounted cam for pierce and flange

AZOL GAS

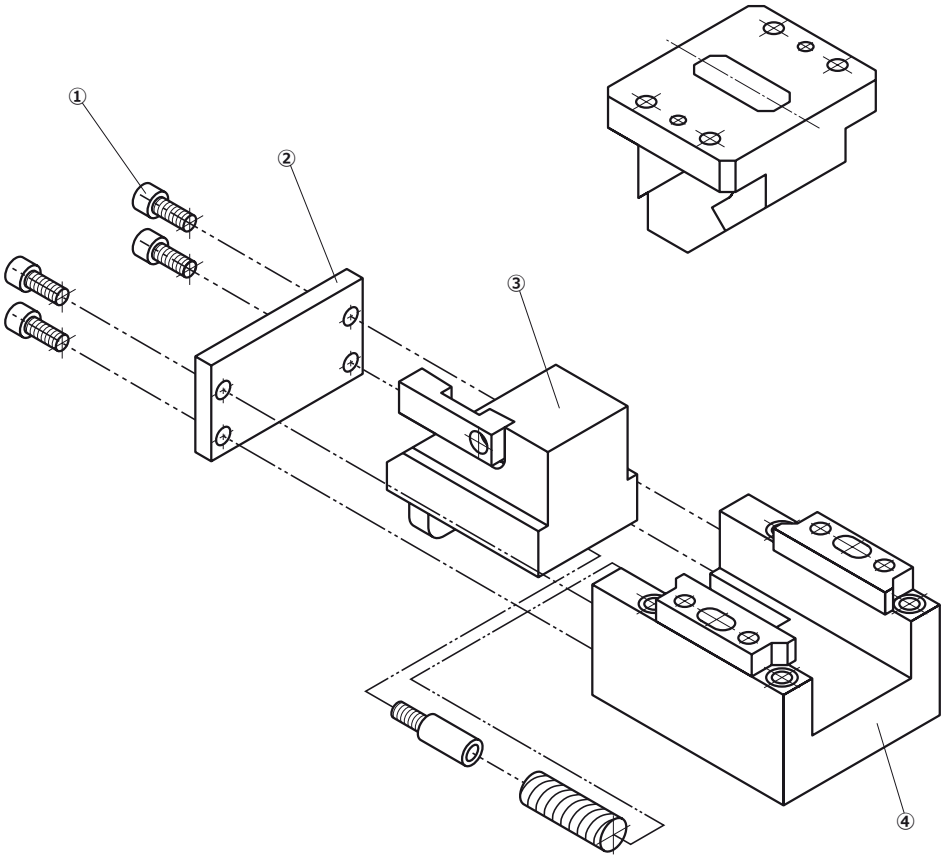
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

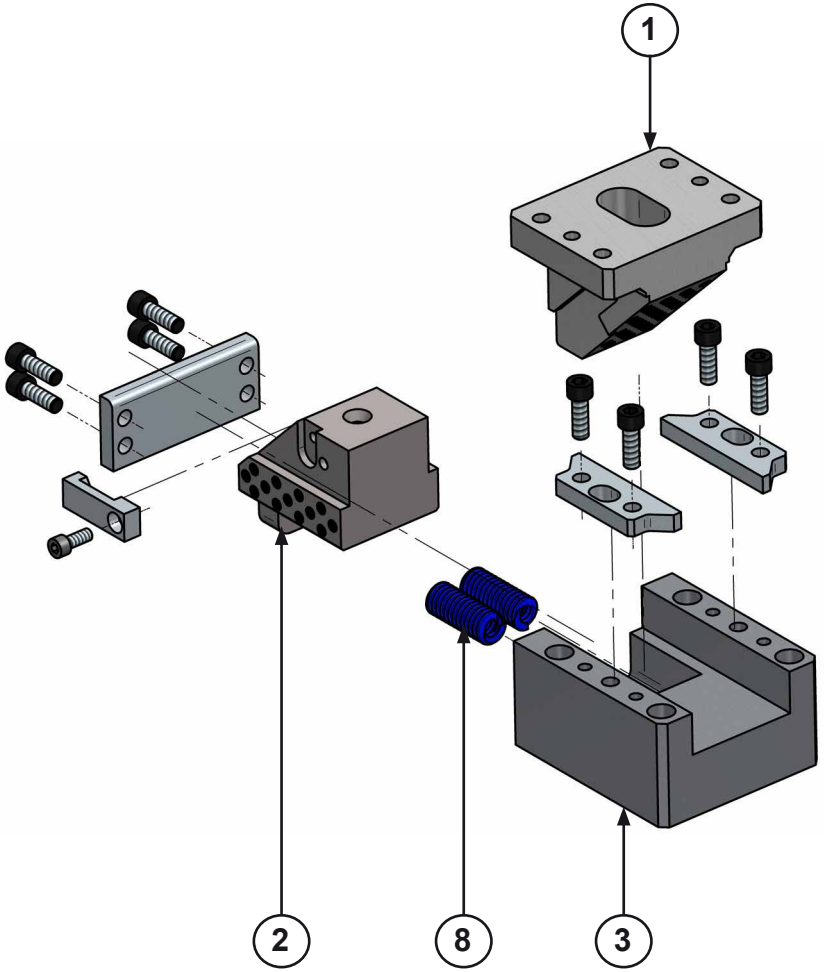
Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

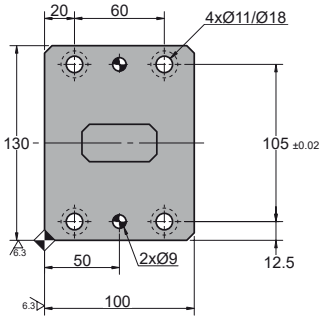


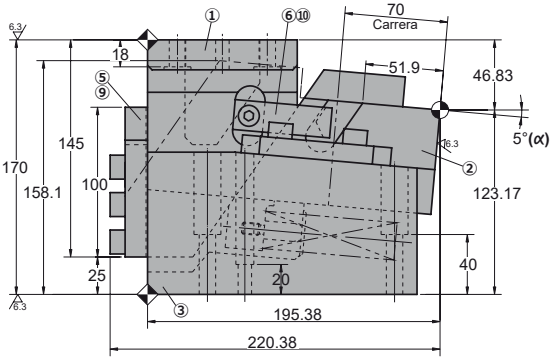
LKCZ 0065 - LKBZ 0065

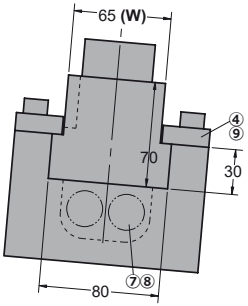
Die mounted cam for pierce and flange

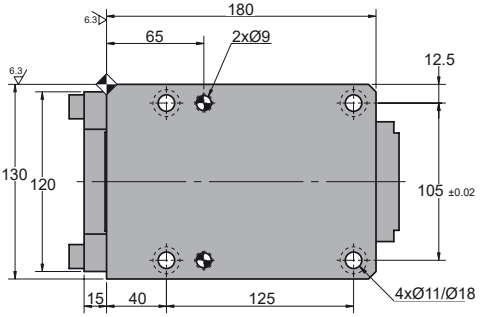
AZOL GAS

LKCZ 0065 05

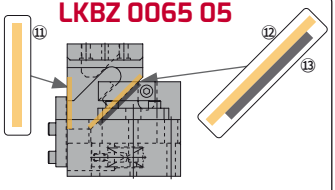








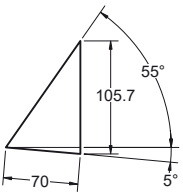
LKBZ 0065 05



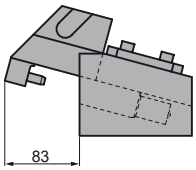
SLIDING PLATES ON DRIVER

*-Only for LKBZ

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	22.2	LKCZ LKBZ	0065	05

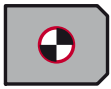
Order: Model (W) (α)

LKCZ 0065 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCZ 0065 05-P10

LKBZ 0065 05-P10

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

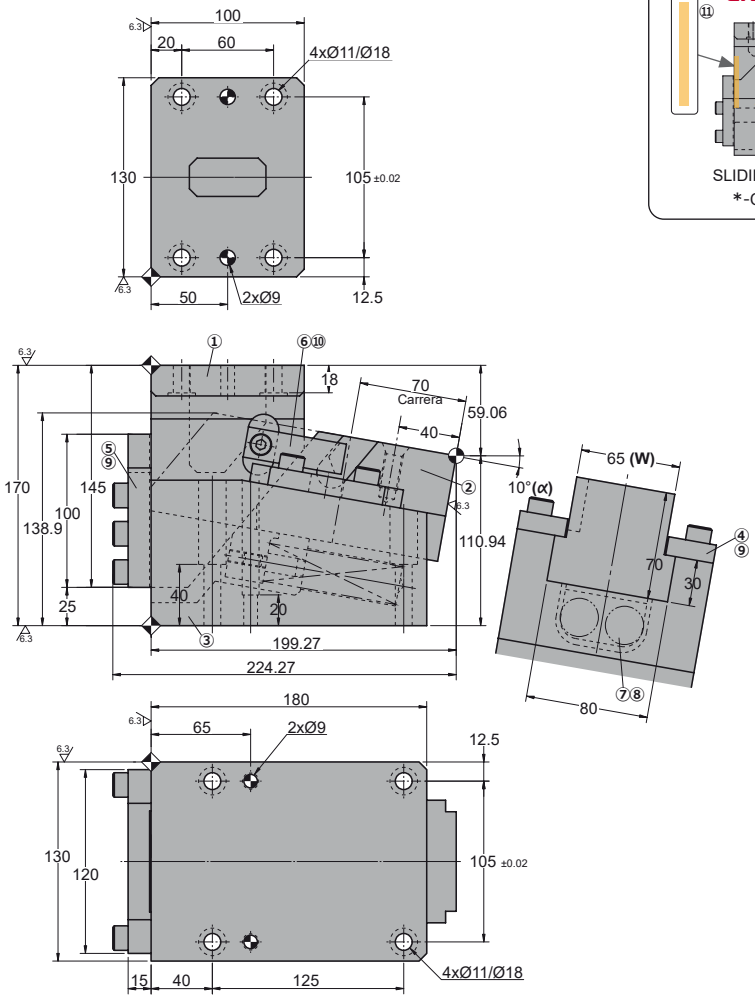
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0065 - LKBZ 0065

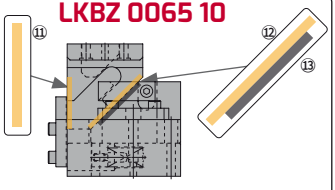
Die mounted cam for pierce and flange

AZOL GAS

LKCZ 0065 10



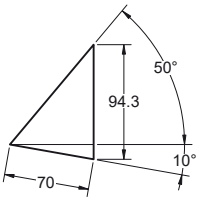
LKBZ 0065 10



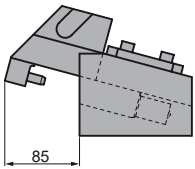
SLIDING PLATES ON DRIVER

*-Only for LKBZ

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	20.5	LKCZ LKBZ	0065	10

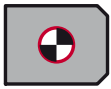
Order: Model (W) (α)

LKCZ 0065 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCZ 0065 10-P10

LKBZ 0065 10-P10

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

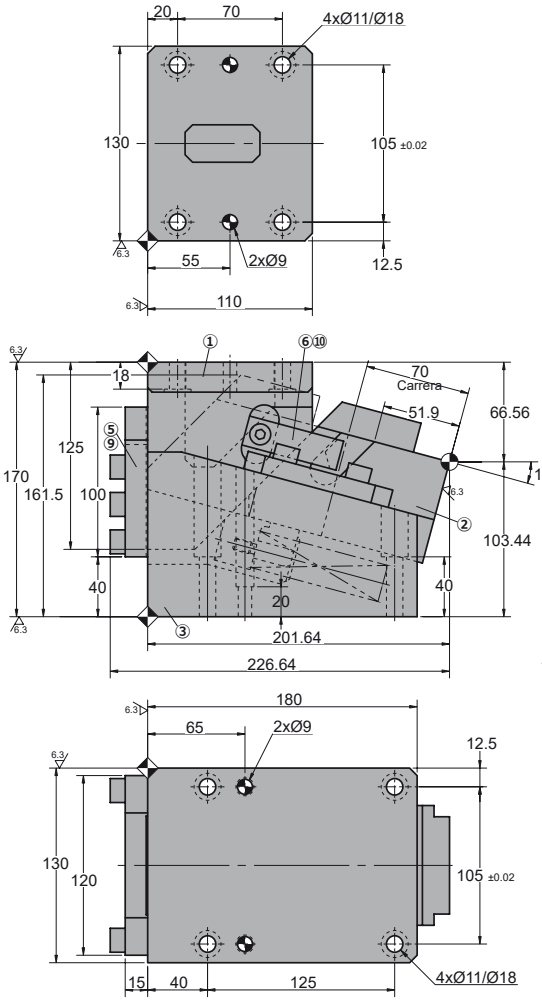
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0065 - LKBZ 0065

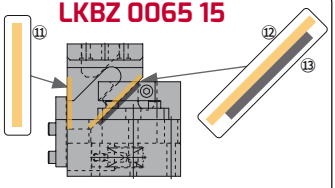
Die mounted cam for pierce and flange

AZOL GAS

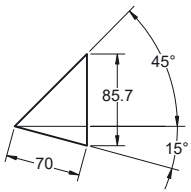
LKCZ 0065 15



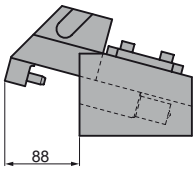
LKBZ 0065 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	22.3	LKCZ / LKBZ	0065	15

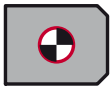
Order: Model (W) (α)

LKCZ 0065 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCZ 0065 15-P10

LKBZ 0065 15-P10

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

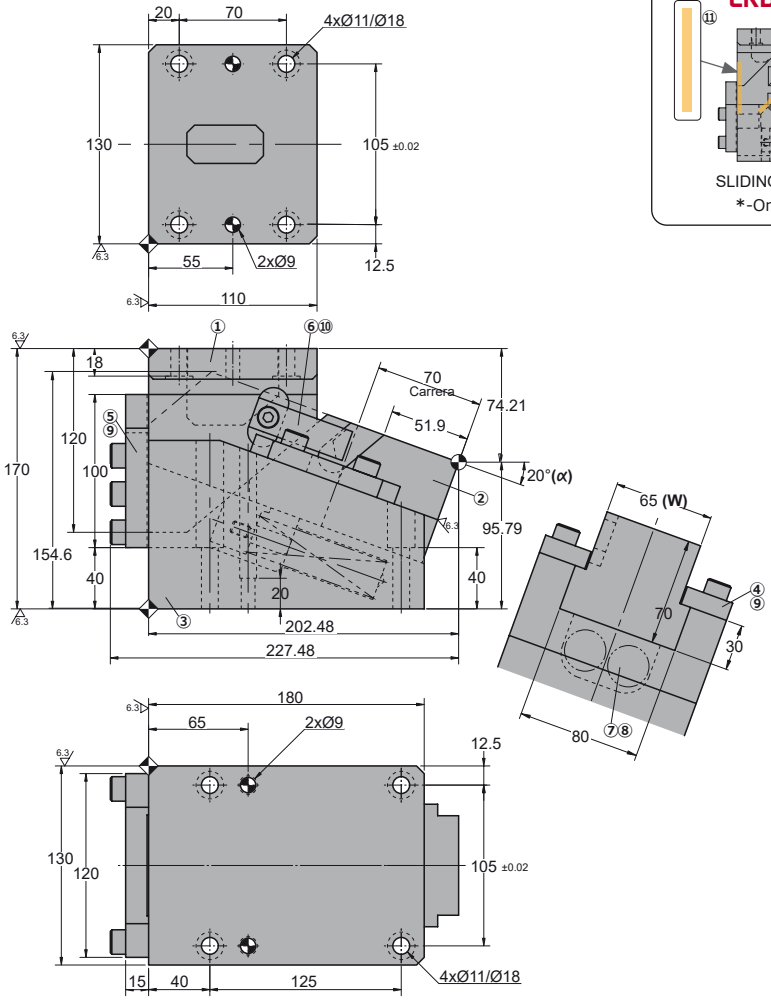
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0065 - LKBZ 0065

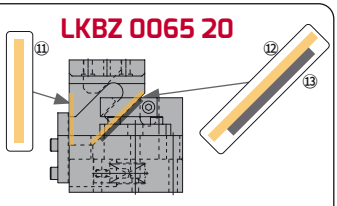
Die mounted cam for pierce and flange

AZOL GAS

LKCZ 0065 20



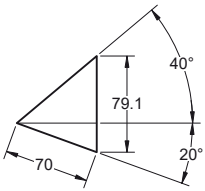
LKBZ 0065 20



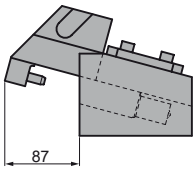
SLIDING PLATES ON DRIVER

*-Only for LKBZ

◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	19.6 (2.0)	39.2 (4.0)	190.4 (19.4)	974.4 (99.2)	21.3	LKCZ LKBZ	0065	20

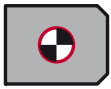
Order: Model (W) (α)

LKCZ 0065 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P10 - Ø10 H7

Order Options: Model (W) (α)-Option

LKCZ 0065 20-P10

LKBZ 0065 20-P10

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	1	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF25-175
⑨	Screw	10	M10 x 30
⑩	Screw	1	M8 x 20
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

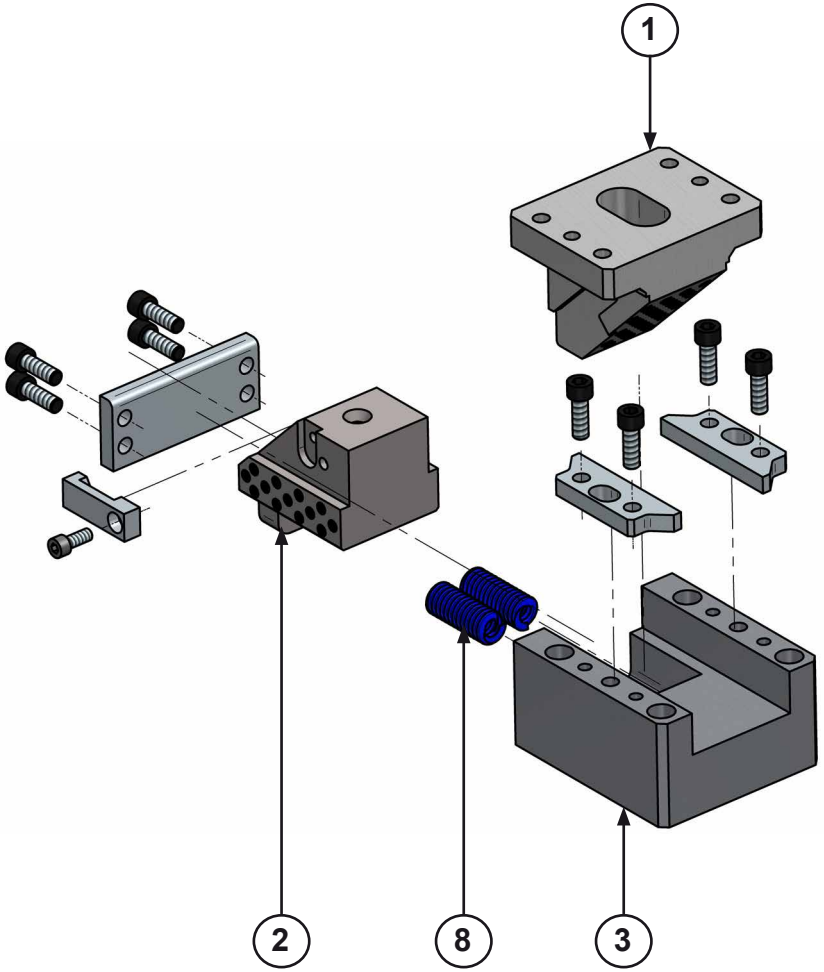
LKCZ 0065 - LKBZ 0065

Die mounted cam for pierce and flange

AZOL GAS

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

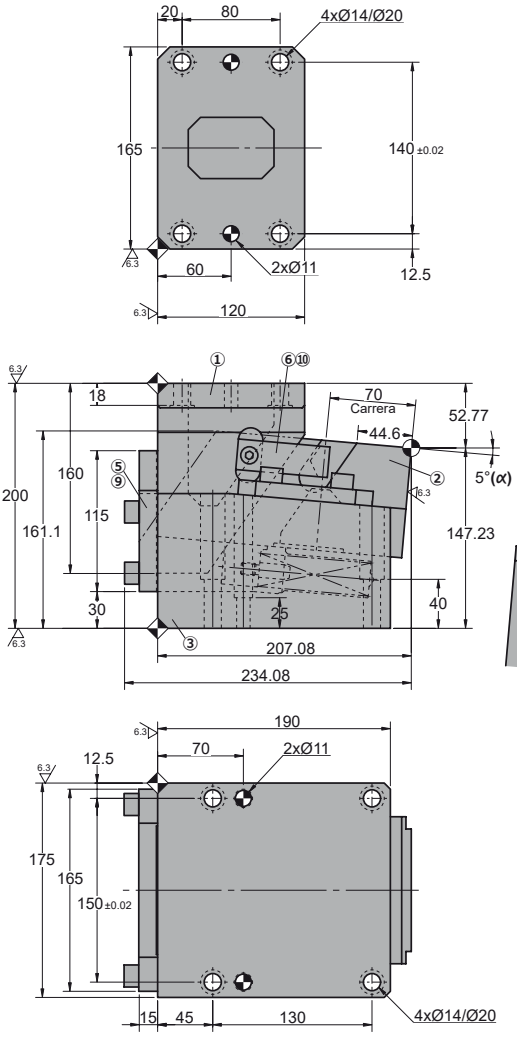


LKCZ 0100 - LKBZ 0100

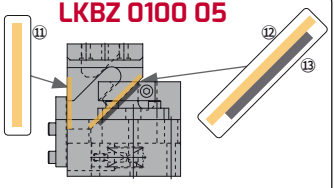
Die mounted cam for pierce and flange

AZOL GAS

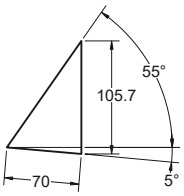
LKCZ 0100 05



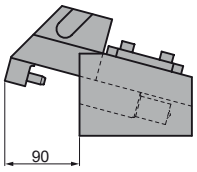
LKBZ 0100 05



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ LKBZ	0100	05

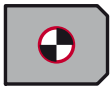
Order: Model (W) (α)

LKCZ 0100 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCZ 0100 05-P13

LKBZ 0100 05-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

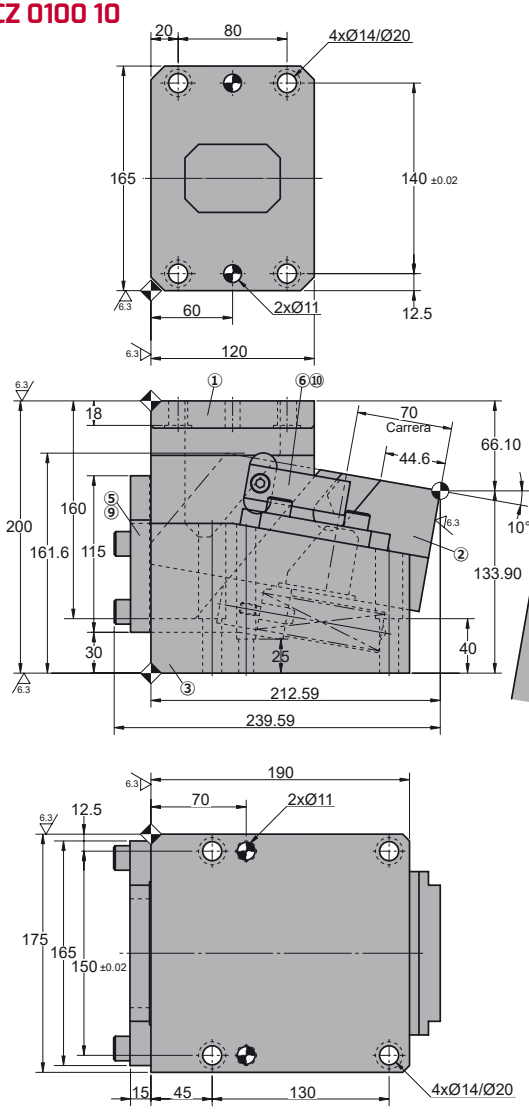
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0100 - LKBZ 0100

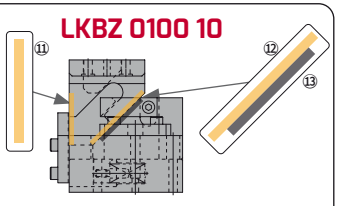
Die mounted cam for pierce and flange

AZOL GAS

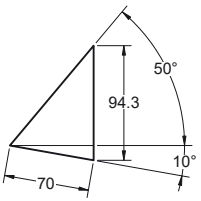
LKCZ 0100 10



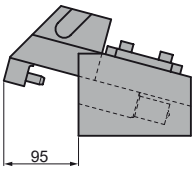
LKBZ 0100 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ LKBZ	0100	10

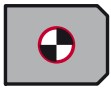
Order: Model (W) (α)

LKCZ 0100 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCZ 0100 10-P13

LKBZ 0100 10-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

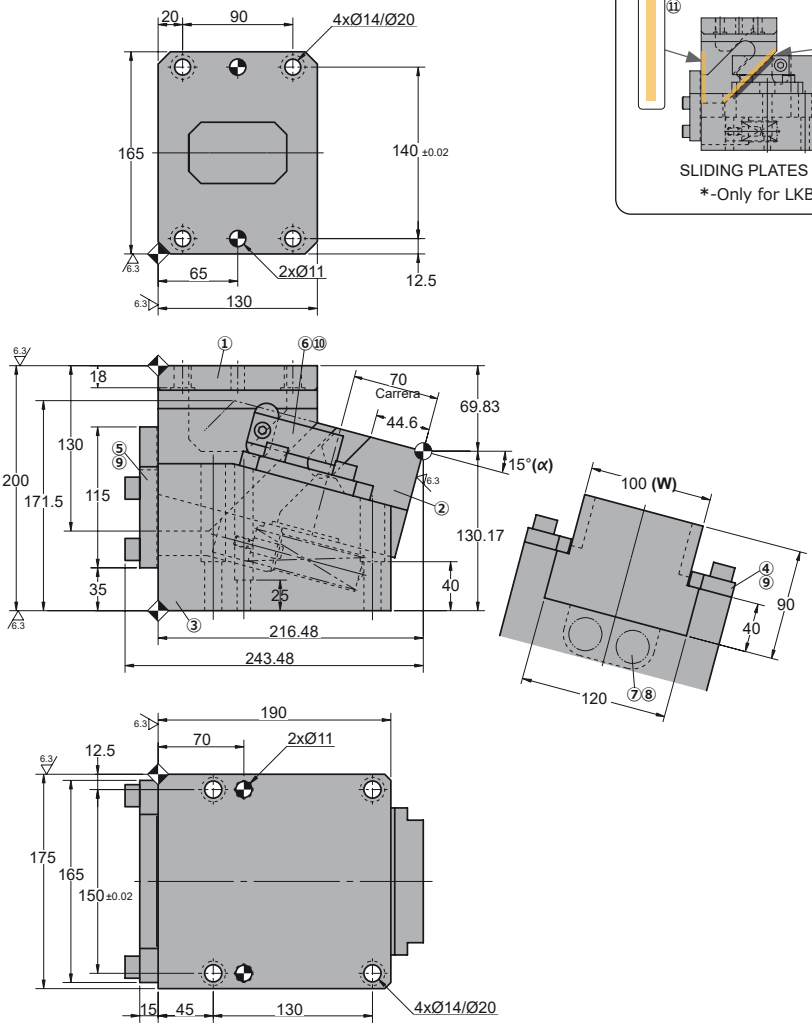
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0100 - LKBZ 0100

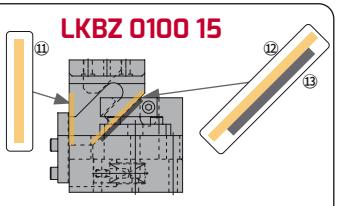
Die mounted cam for pierce and flange

AZOL GAS

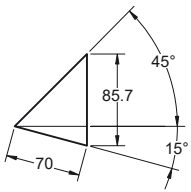
LKCZ 0100 15



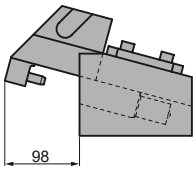
LKBZ 0100 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	38.0	LKCZ / LKBZ	0100	15

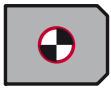
Order: Model (W) (α)

LKCZ 0100 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCZ 0100 15-P13

LKBZ 0100 15-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

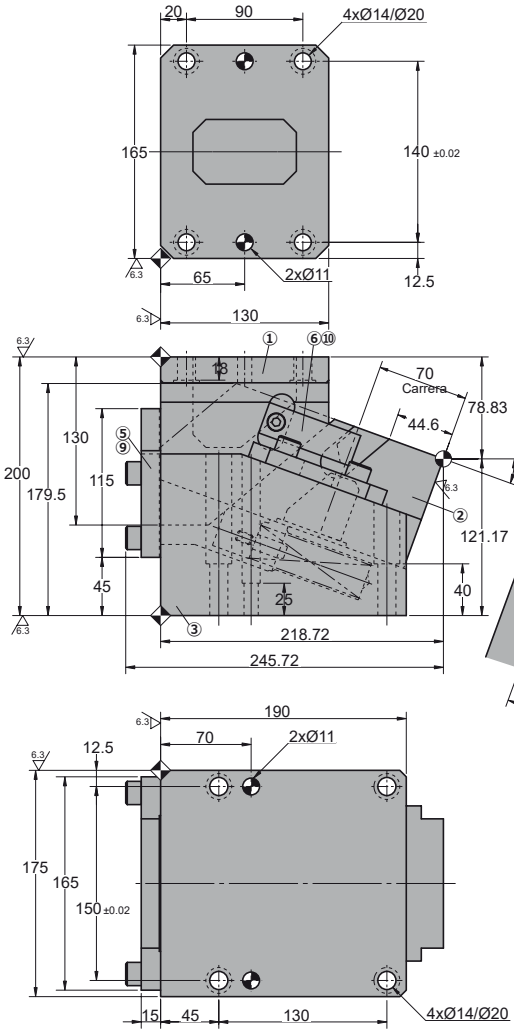
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0100 - LKBZ 0100

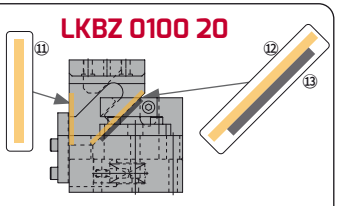
Die mounted cam for pierce and flange

AZOL GAS

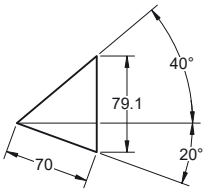
LKCZ 0100 20



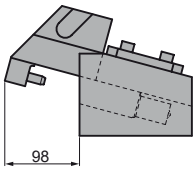
LKBZ 0100 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	39.2 (4.0)	78.4 (8.0)	197.2 (20.0)	1137.4 (116.6)	39.0	LKCZ LKBZ	0100	20

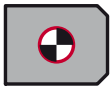
Order: Model (W) (α)

LKCZ 0100 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P13 - Ø13 H7

P12 - Ø12 H7

Order Options: Model (W) (α)-Option

LKCZ 0100 20-P13

LKBZ 0100 20-P13

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

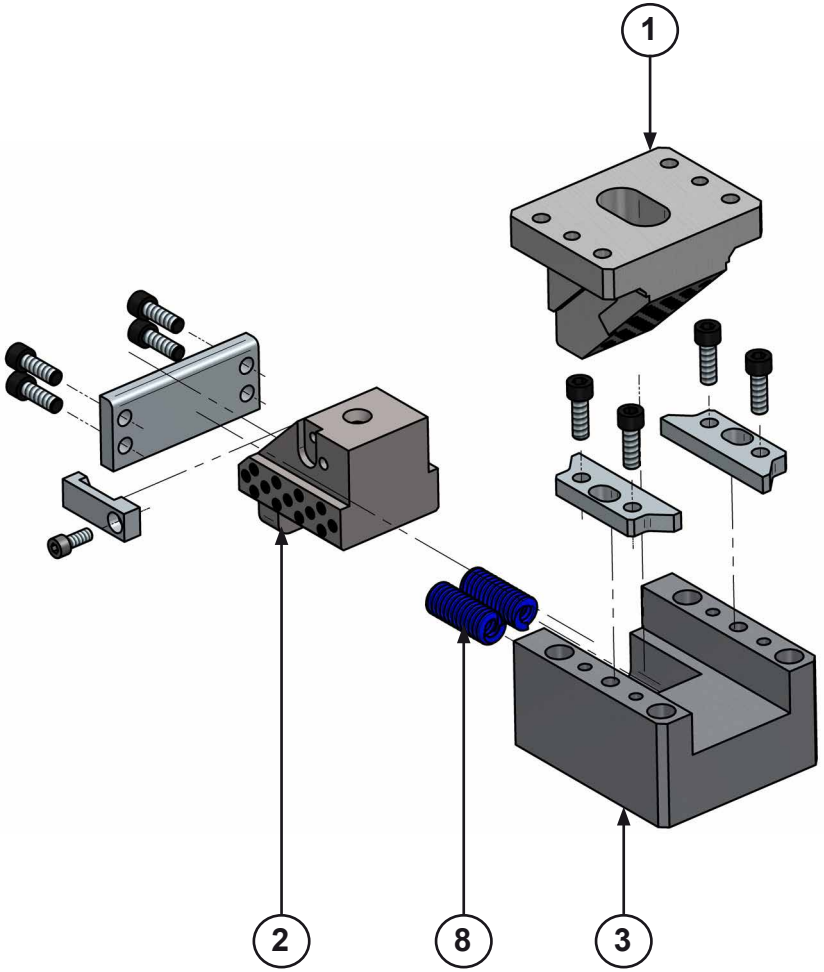
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF27-175
⑨	Screw	8	M12 x 35
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	1	Bronze + G
*⑫	Sliding plate 2	1	Bronze + G
*⑬	Sliding plate 3	1	CK45

LKCZ 0100 - LKBZ 0100

Die mounted cam for pierce and flange

LKCZ 0150 - LKBZ 0150

Die mounted cam for pierce and flange

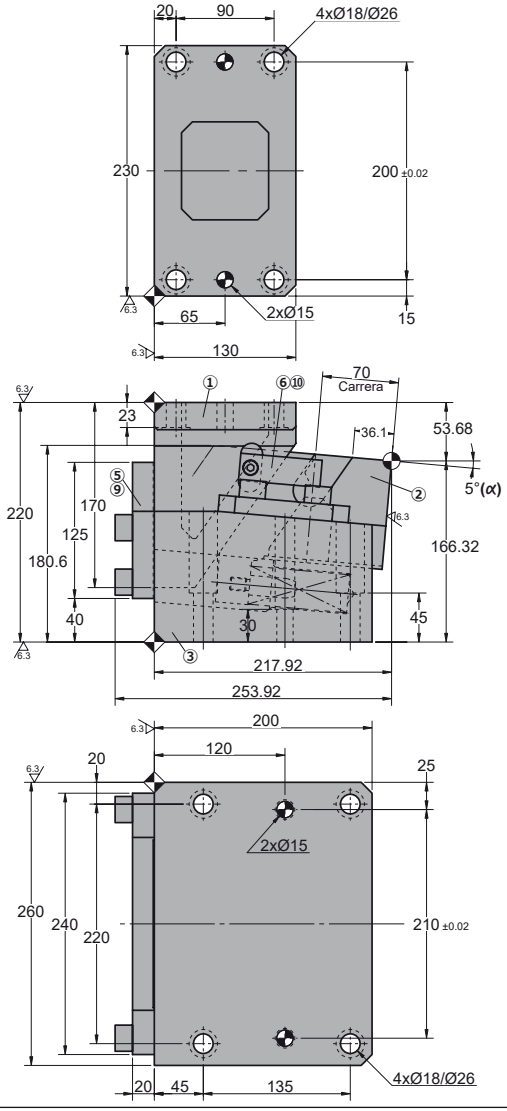


LKCZ 0150 - LKBZ 0150

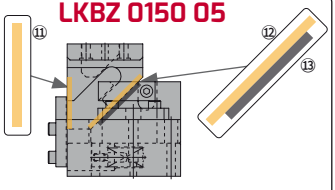
Die mounted cam for pierce and flange

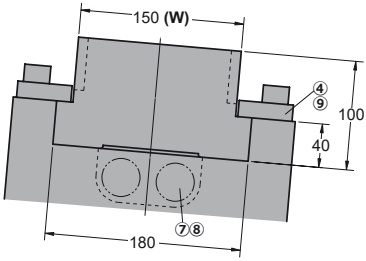
AZOL GAS

LKCZ 0150 05

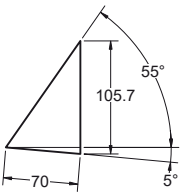


LKBZ 0150 05

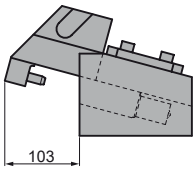




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0150 - LKBZ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	73.0	LKCZ LKBZ	0150	05

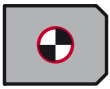
Order: Model (W) (α)

LKCZ 0150 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCZ 0150 05-P16

LKBZ 0150 05-P16

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

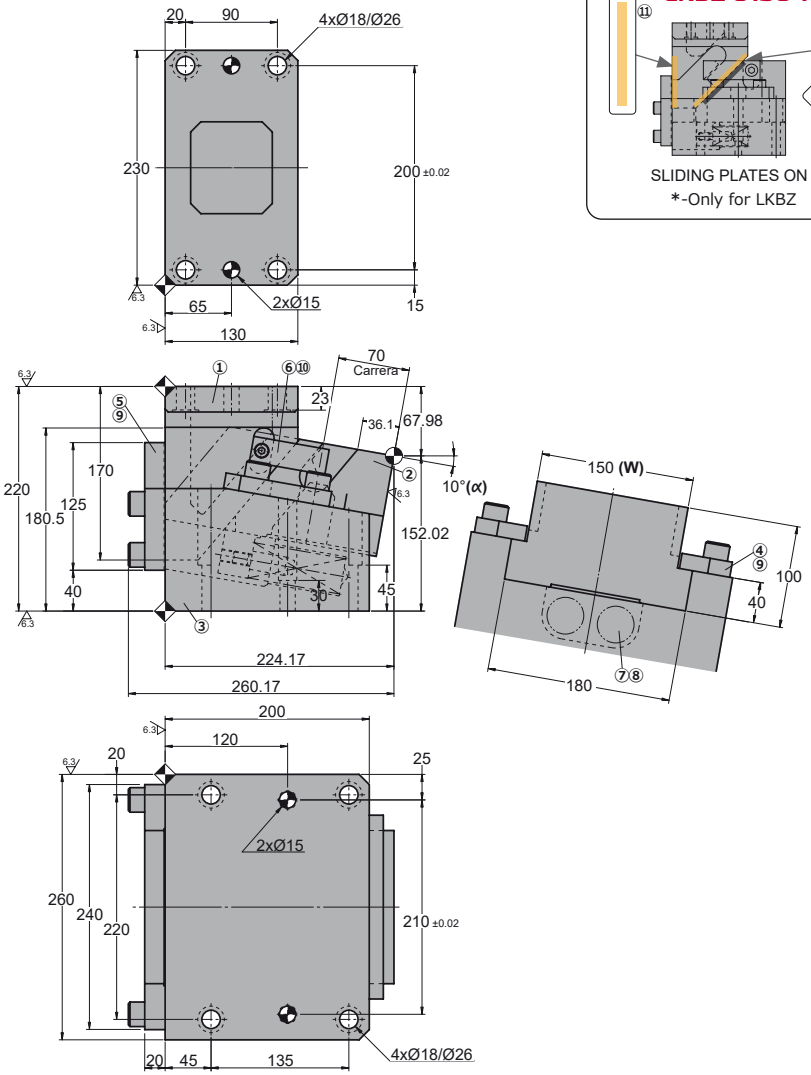
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCZ 0150 - LKBZ 0150

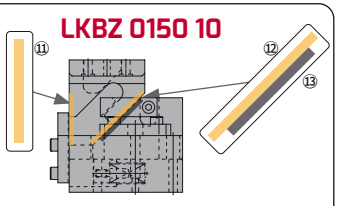
Die mounted cam for pierce and flange

AZOL GAS

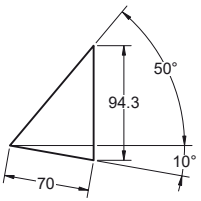
LKCZ 0150 10



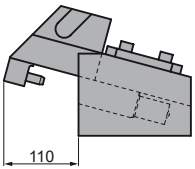
LKBZ 0150 10



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0150 - LKBZ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	73.0	LKCZ LKBZ	0150	10

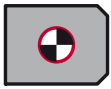
Order: Model (W) (α)

LKCZ 0150 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCZ 0150 10-P16

LKBZ 0150 10-P16

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

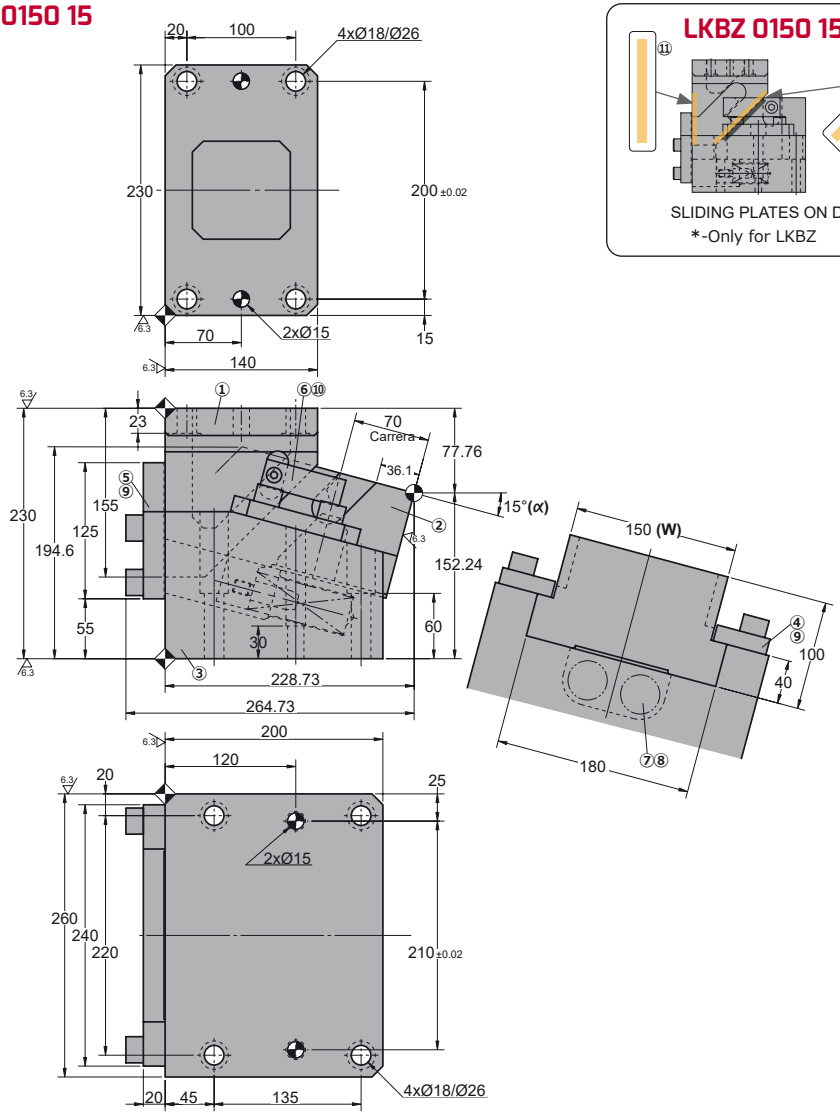
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCZ 0150 - LKBZ 0150

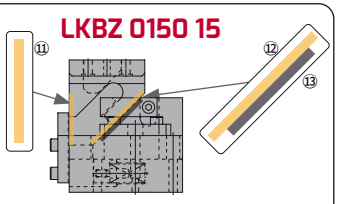
Die mounted cam for pierce and flange

AZOL GAS

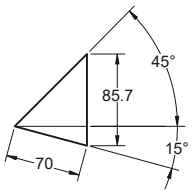
LKCZ 0150 15



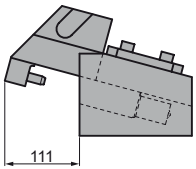
LKBZ 0150 15



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0150 - LKBZ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	77.0	LKCZ LKBZ	0150	15

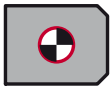
Order: Model (W) (α)

LKCZ 0150 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCZ 0150 15-P16

LKBZ 0150 15-P16

SPARE PARTS:

⑧ Coil Spring
⑪ Sliding plate 1
⑫ Sliding plate 2
⑬ Sliding plate 3

COMPONENTS

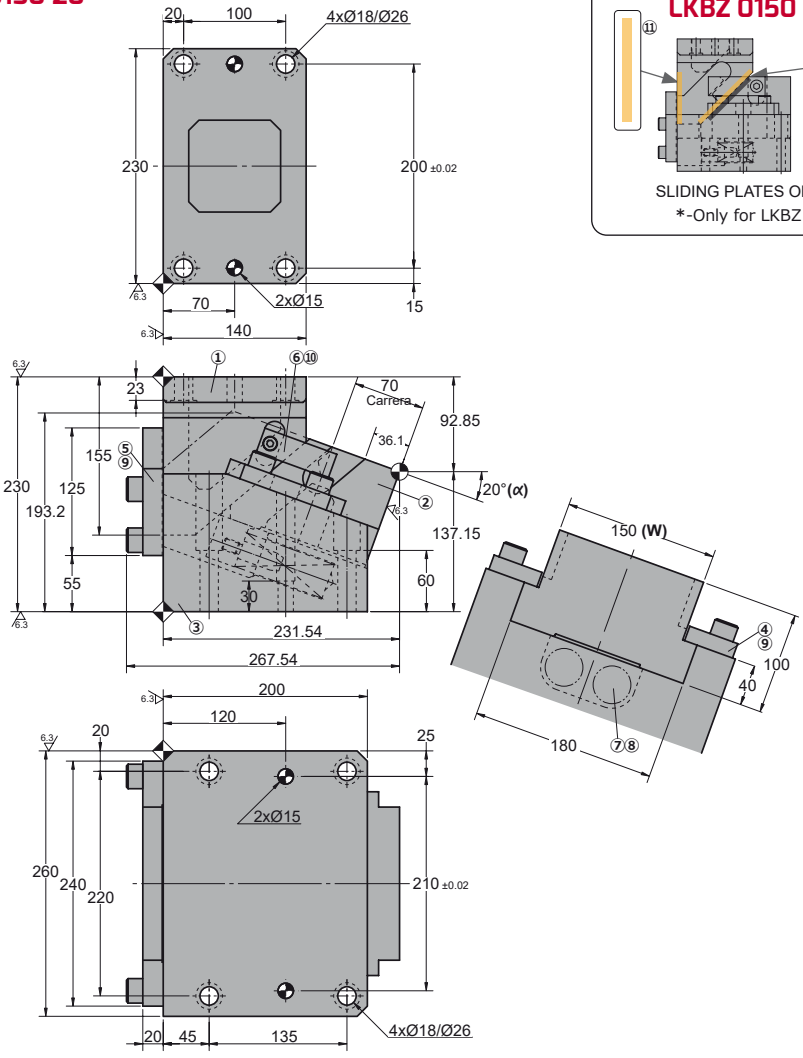
No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCZ 0150 - LKBZ 0150

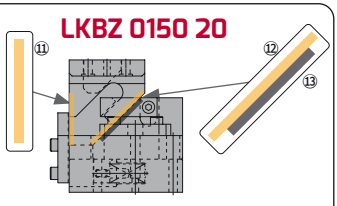
Die mounted cam for pierce and flange

AZOL GAS

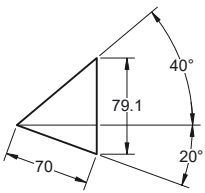
LKCZ 0150 20



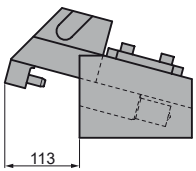
LKBZ 0150 20



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LKCZ 0150 - LKBZ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
70.0	64.7 (6.6)	98.0 (10.0)	308.0 (31.4)	1841.3 (188.2)	75	LKCZ LKBZ	0150	20

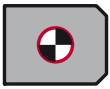
Order: Model (W) (α)

LKCZ 0150 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LKCZ 0150 20-P16

LKBZ 0150 20-P16

SPARE PARTS:

- ⑧ Coil Spring
- ⑪ Sliding plate 1
- ⑫ Sliding plate 2
- ⑬ Sliding plate 3

COMPONENTS

No.	Description	Qty.	Material
①	Cam Driver	1	GGG50 + G
②	Cam Slider	1	GGG50 + G
③	Cam Holder	1	GG25
④	Upper Plate	2	GG25
⑤	Stopper Plate	1	CK45
⑥	Positive Return	2	CK45
⑦	Spring Guide	2	CK45
⑧	Coil Spring	2	TF35-175
⑨	Screw	8	M16 x 45
⑩	Screw	2	M8 x 25
*⑪	Sliding plate 1	2	Bronze + G
*⑫	Sliding plate 2	2	Bronze + G
*⑬	Sliding plate 3	2	CK45

LKCZ 0150 - LKBZ 0150

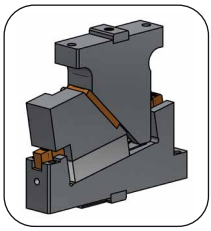
Die mounted cam for pierce and flange

AZOL GAS

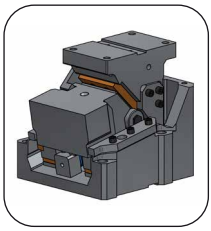
LSPJ

Die mounted cam for pierce and flange

General information



LSPJ 0050
LSPJ 0080
LSPJ 0150

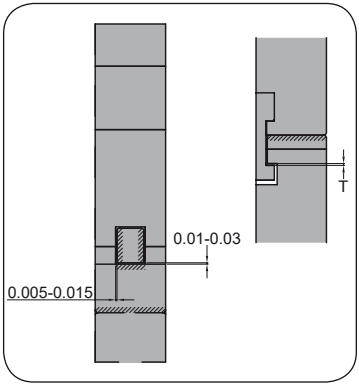


LSPJ 0200
LSPJ 0300

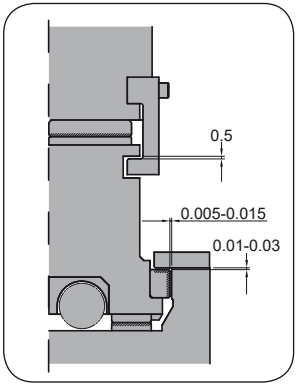
- Die mounted cam.
- Angles from 0° to 30° with increments of 5°.
- Rigid guides system.
- ISO springs are used.

Adjustment clearances

LSPJ 0050 / 0080



LSPJ 0150 / 0200 / 0300

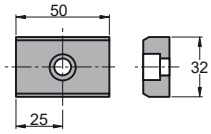


- T: 1,3 mm clearance for 50mm width and 1 mm for 80mm width.

Keys

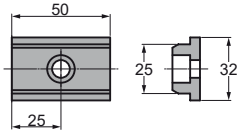
K

LSPJ 0050 / 0080 / 0150 / 0200 / 0300



KU

LSPJ 0050 / 0080 / 0150 / 0200 / 0300



LSPJ

Die mounted cam for pierce and flange

AZOL GAS

Assembling and disassembling

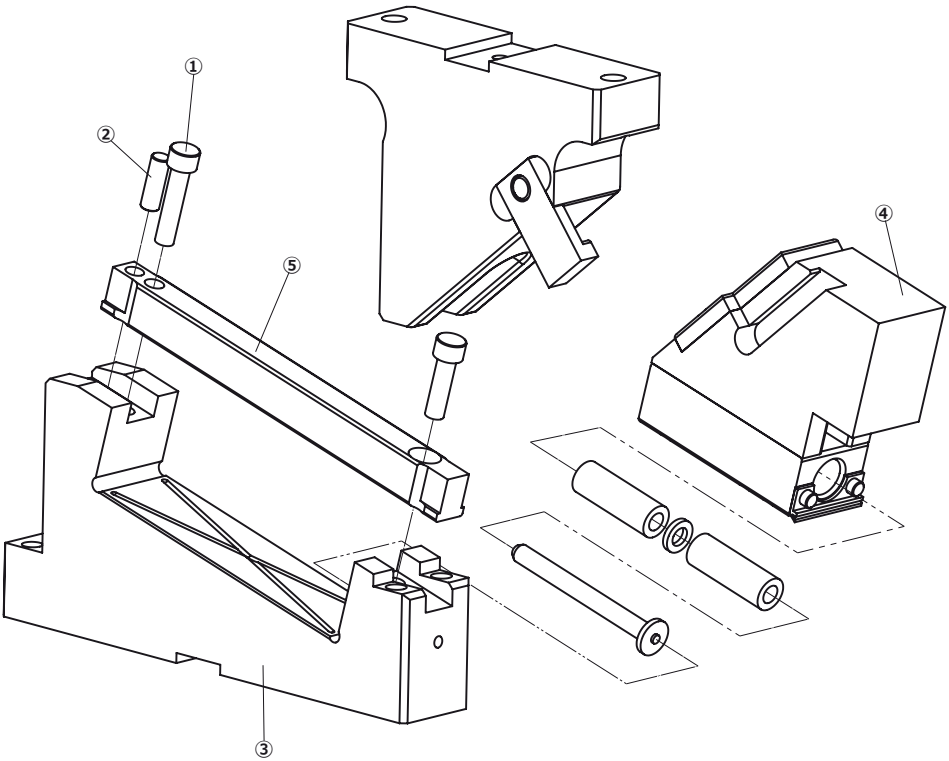
LSPJ 0050 / 0080

Disassembling process

- Unscrew ① pieces and remove the pin ②, Remove the holder ③ and guide bar ⑤ from slider ④.
- Move away the guide bar from cam holder.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

LSPJ

Die mounted cam for pierce and flange

Assembling and disassembling

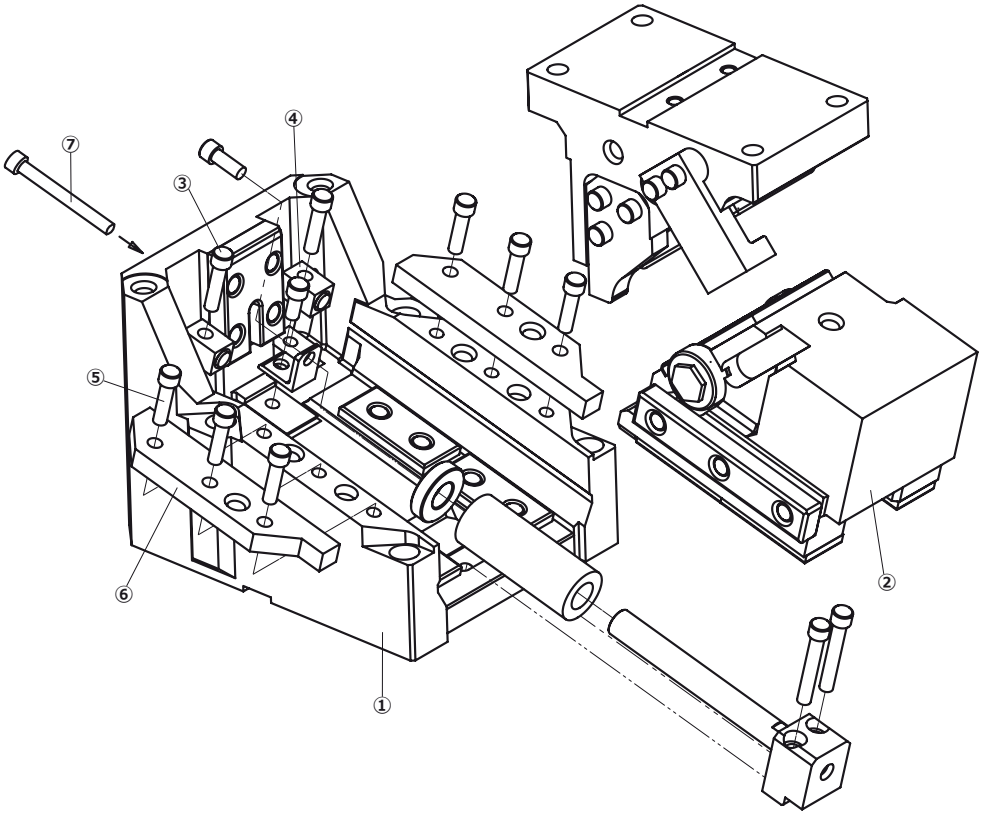
LSPJ 0150 / 0200 / 0300

Disassembling process

- Pull slider plate 20 mm, to unscrew ③ pieces and remove stoppers ④, unmount cam slider ② with the screws ⑦, unscrew ⑤ pieces and the plates ⑥.
- Move away the cam slider ② from cam holder ①.

Assembling process

- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used and tighten them.



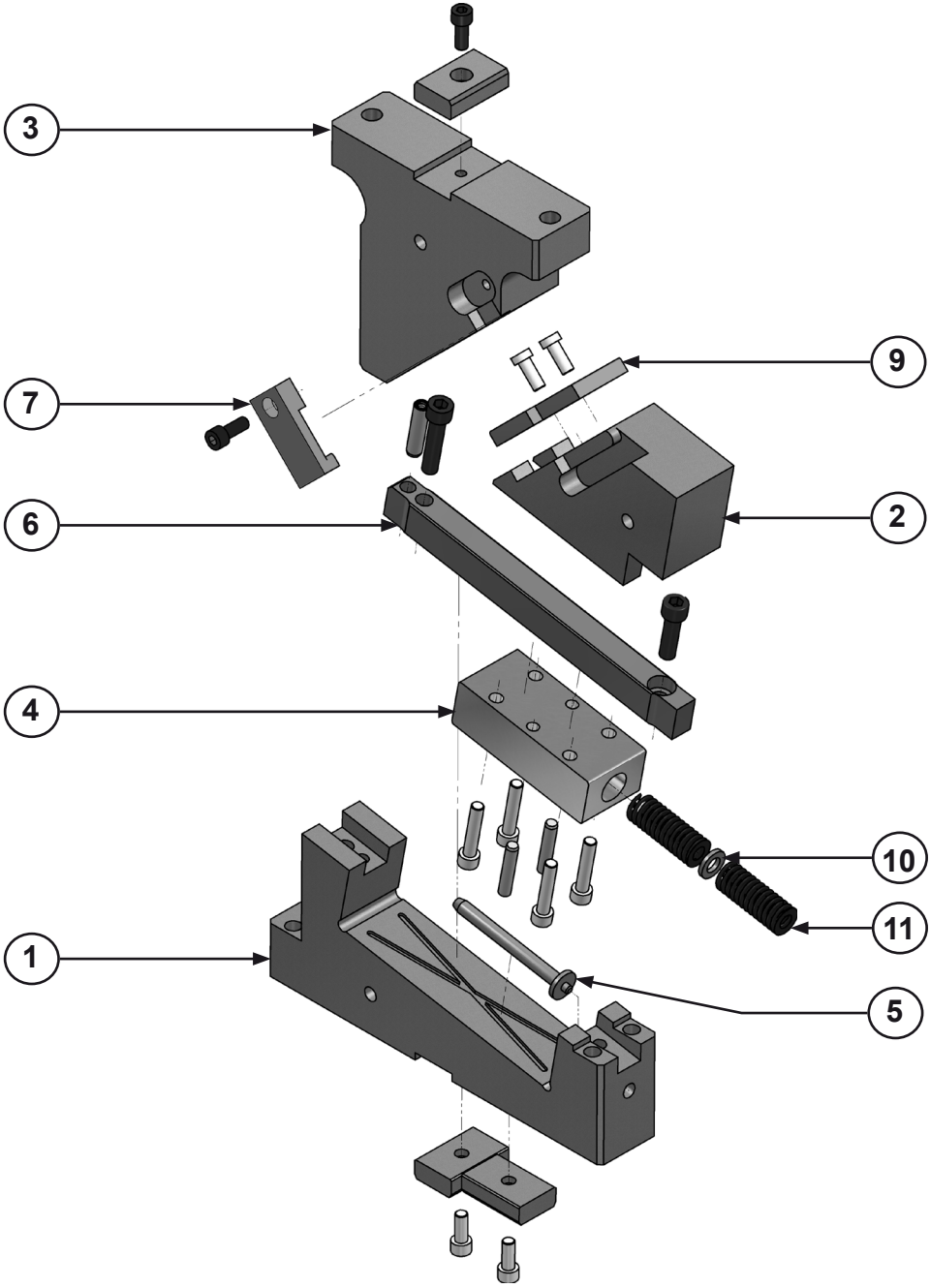
LSPJ

Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

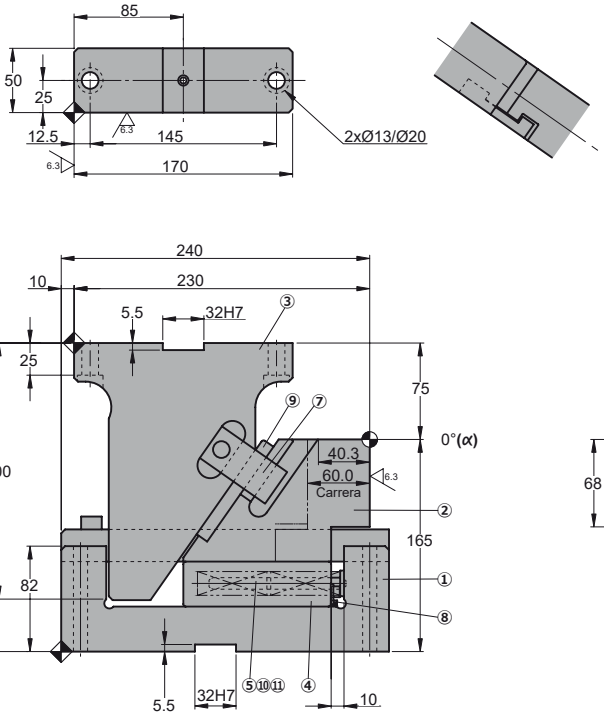


LSPJ 0050

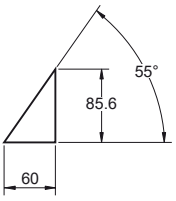
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0050 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	17.3	LSPJ	0050	00

Order: Model (W) (α)

LSPJ 0050 00

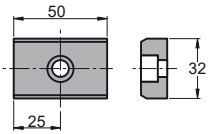
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

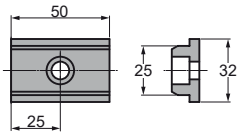
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

LSPJ 0050 00-K

LSPJ 0050 00-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

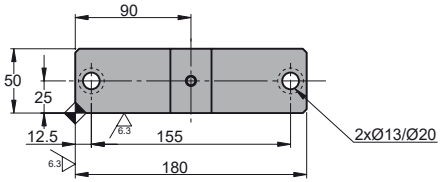
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

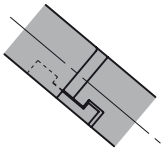
LSPJ 0050

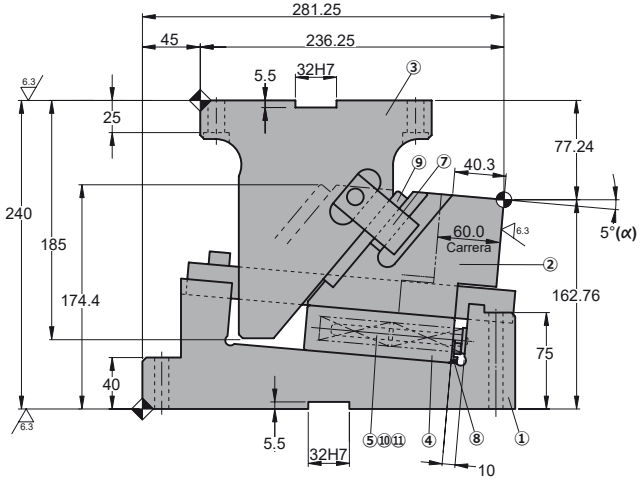
Die mounted cam for pierce and flange

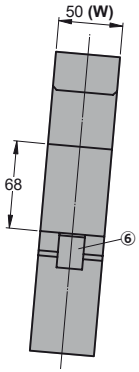
AZOL GAS

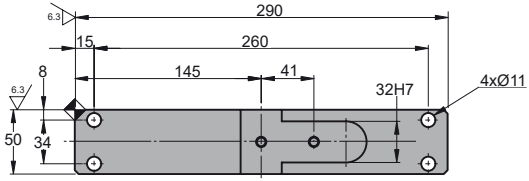
LSPJ 0050 05



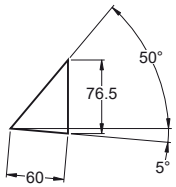








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	18.1	LSPJ	0050	05

Order: Model (W) (α)

LSPJ 0050 05

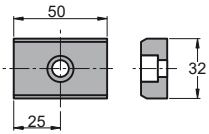
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

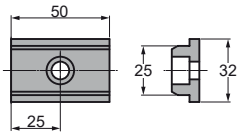
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

LSPJ 0050 05-K

LSPJ 0050 05-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

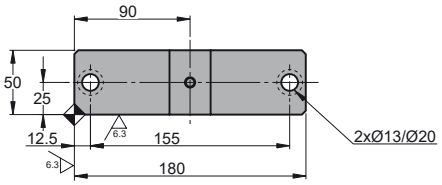
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

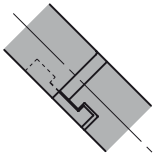
LSPJ 0050

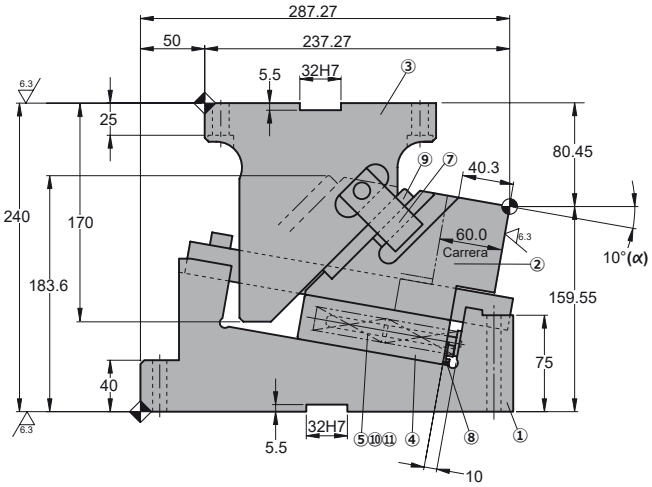
Die mounted cam for pierce and flange

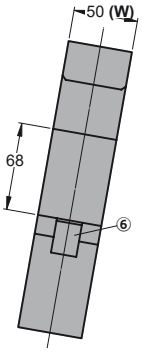
AZOL GAS

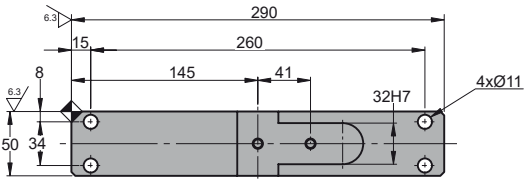
LSPJ 0050 10



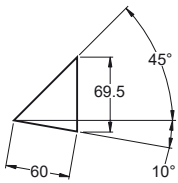








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
		Initial F_0	Final F_1				
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	18.5	LSPJ	0050	10

Order: Model (W) (α)

LSPJ 0050 10

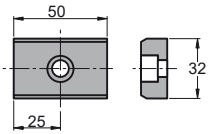
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

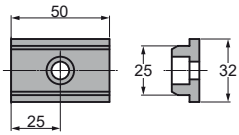
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

LSPJ 0050 10-K

LSPJ 0050 10-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

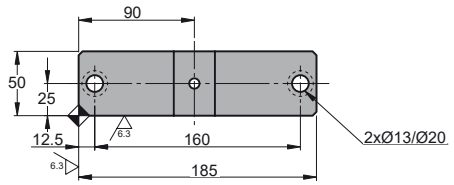
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

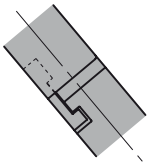
LSPJ 0050

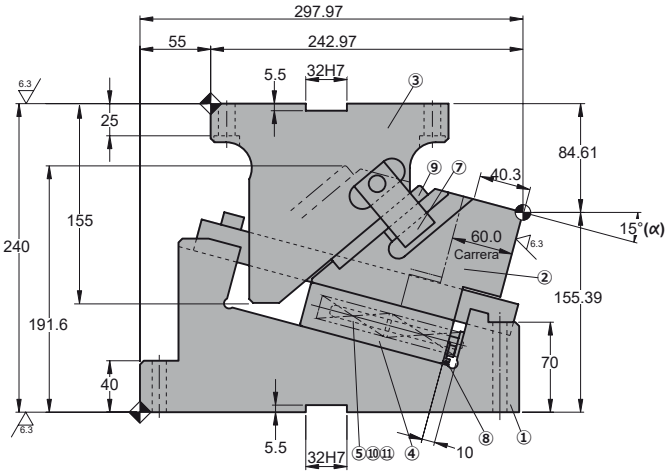
Die mounted cam for pierce and flange

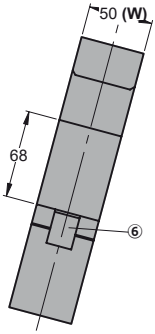
AZOL GAS

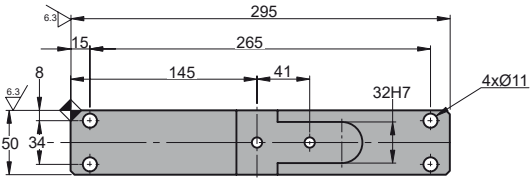
LSPJ 0050 15



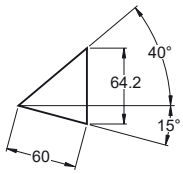








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	19.2	LSPJ	0050	15

Order: Model (W) (α)

LSPJ 0050 15

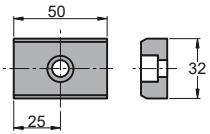
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

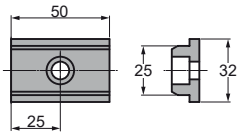
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

LSPJ 0050 15-K

LSPJ 0050 15-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

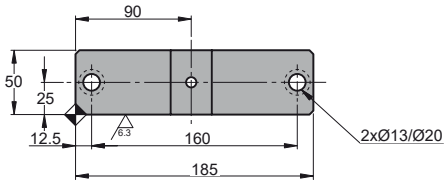
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

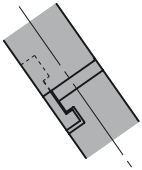
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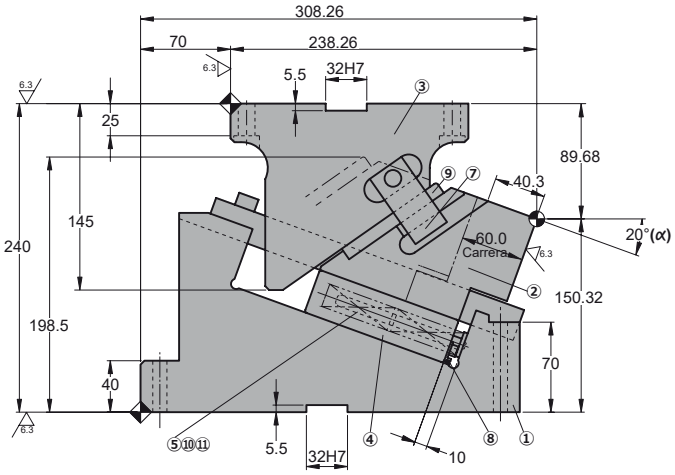
Die mounted cam for pierce and flange

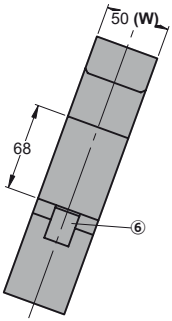
AZOL GAS

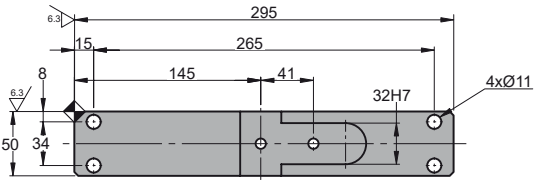
LSPJ 0050 20



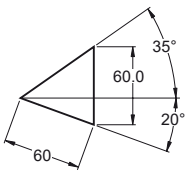








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	19.8	LSPJ	0050	20

Order: Model (W) (α)

LSPJ 0050 20

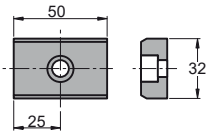
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

K - KU

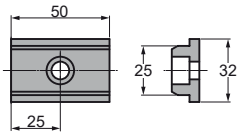
KEY

K



3 x M8x15

KU



Order Options: Model (W) (α)-Option

LSPJ 0050 20-K

LSPJ 0050 20-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

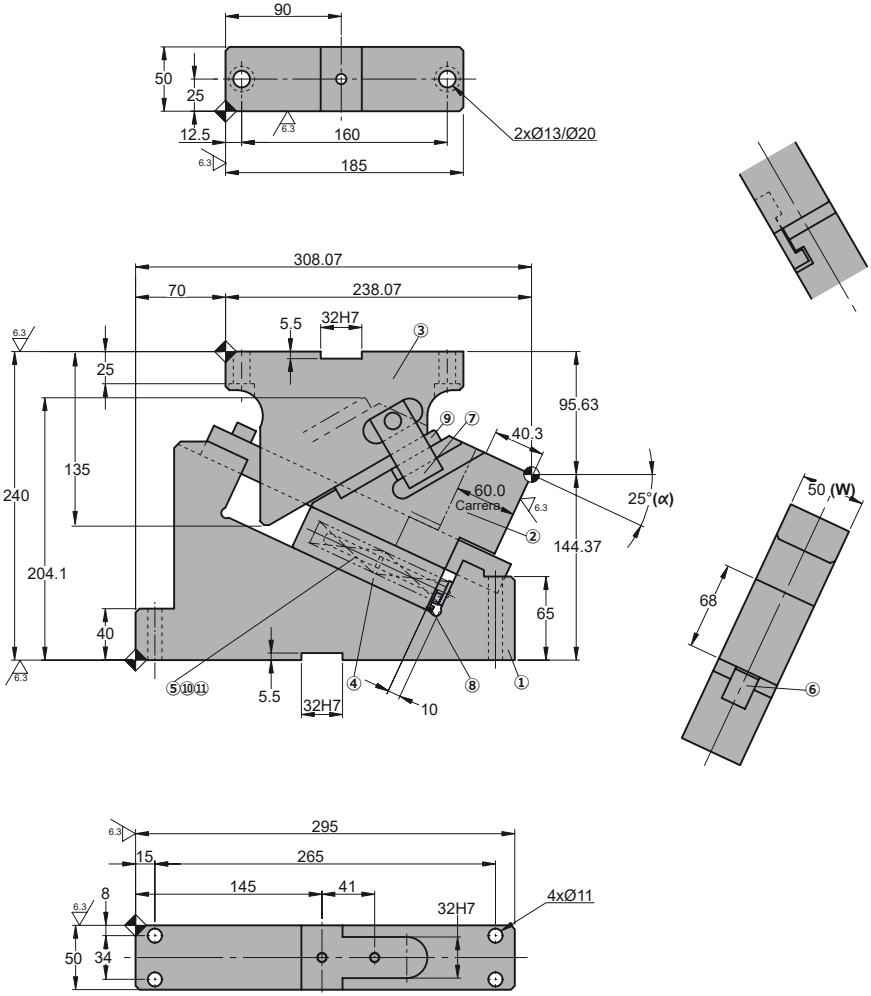
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

LSPJ 0050

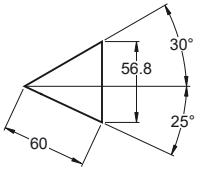
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0050 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	20.0	LSPJ	0050	25

Order: Model (W) (α)

LSPJ 0050 25

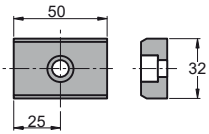
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

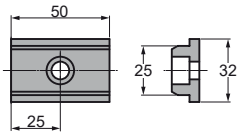
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

LSPJ 0050 25-K

LSPJ 0050 25-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

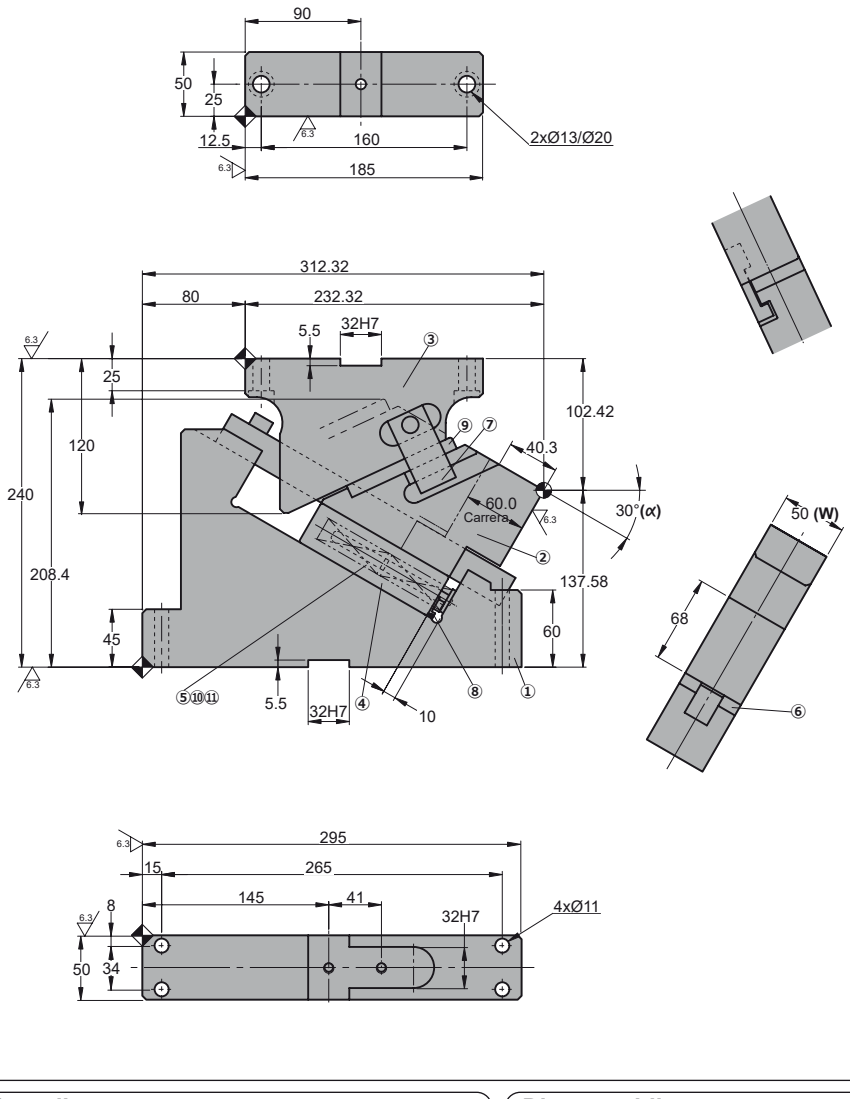
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

LSPJ 0050

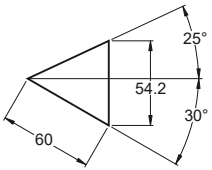
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0050 30



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0050

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	14.7 (1.5)	84.5 (8.6)	591.5 (60.2)	20.4	LSPJ	0050	30

Order: Model (W) (α)

LSPJ 0050 30

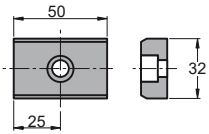
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

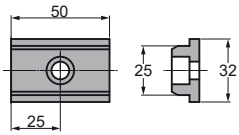
K - KU

KEY

K



KU



3 x M8x15

Order Options: Model (W) (α)-Option

LSPJ 0050 30-K

LSPJ 0050 30-KU

SPARE PARTS:
⑪ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	CK45
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	Bronce
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Washer	1	CK22
⑪	Coil Spring	2	TJL20-89

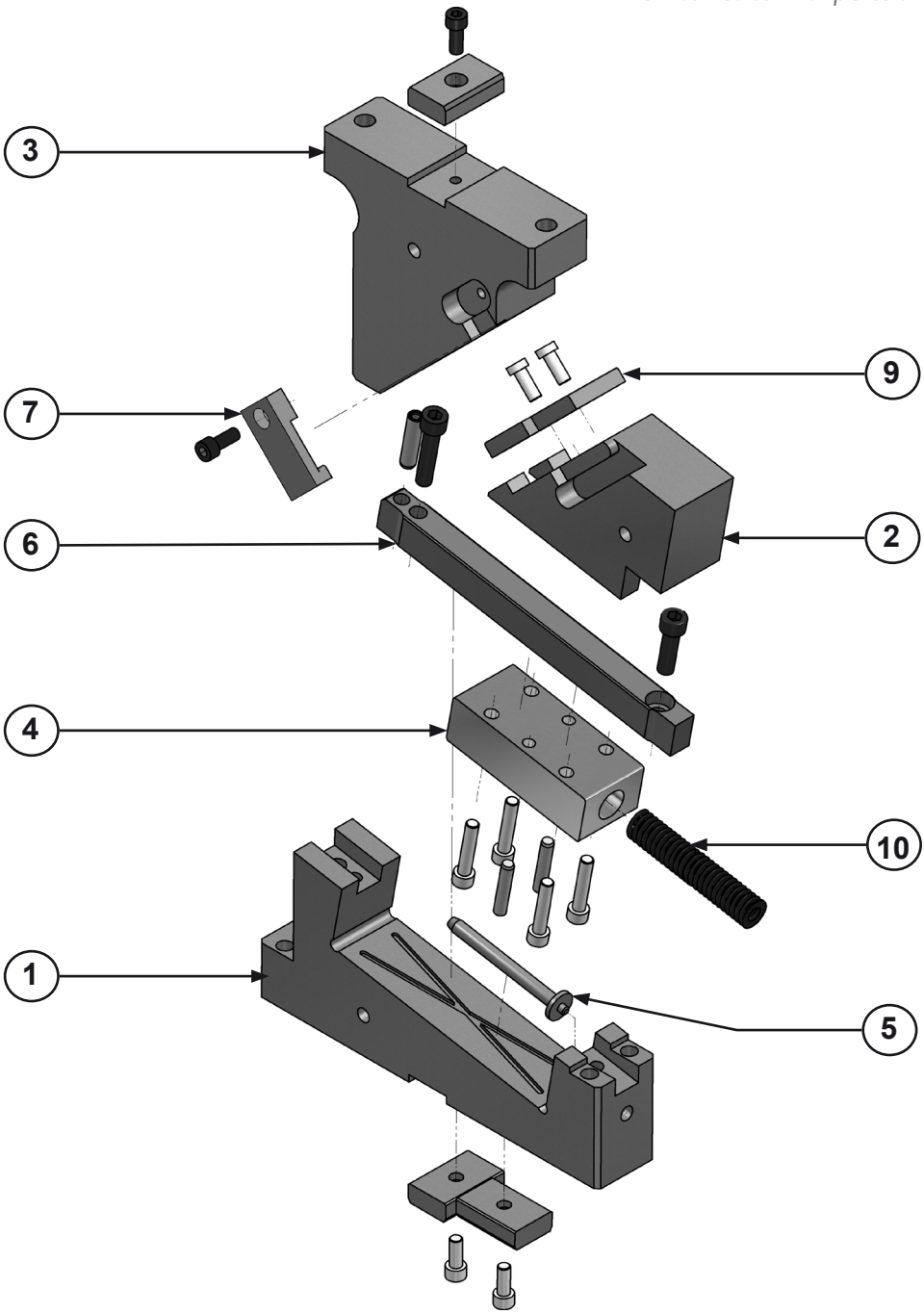
LSPJ 0050

Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

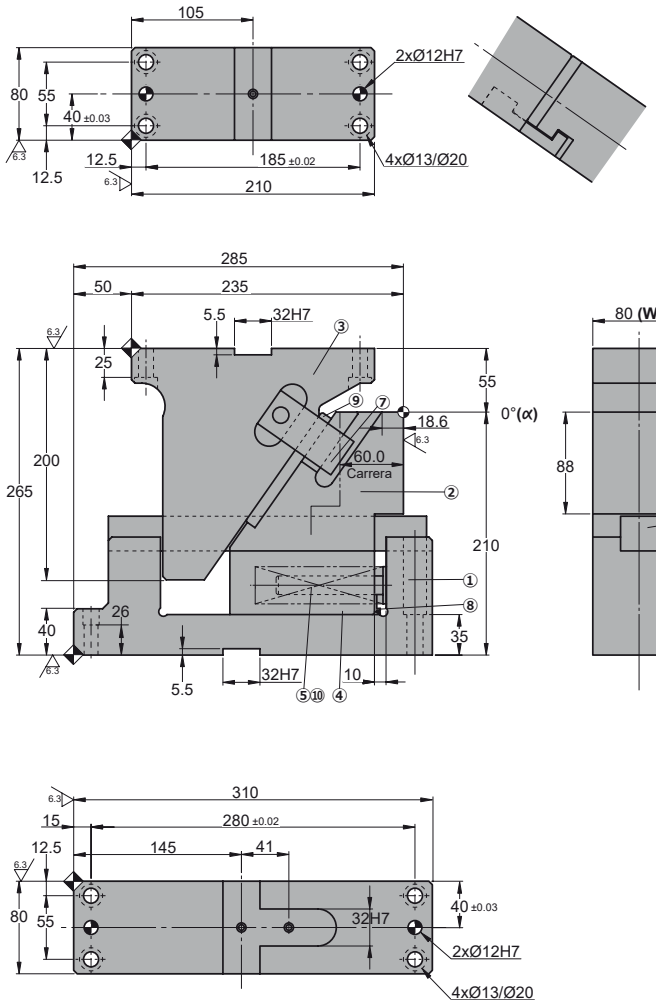


LSPJ 0080

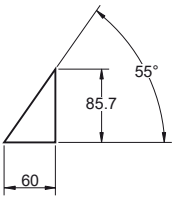
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	33.2	LSPJ	0080	00

Order: Model (W) (α)

LSPJ 0080 00

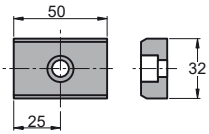
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

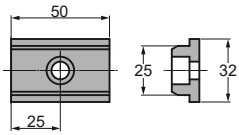
K - KU

KEY

K

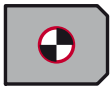


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 00-K

LSPJ 0080 00-KU

LSPJ 0080 00-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

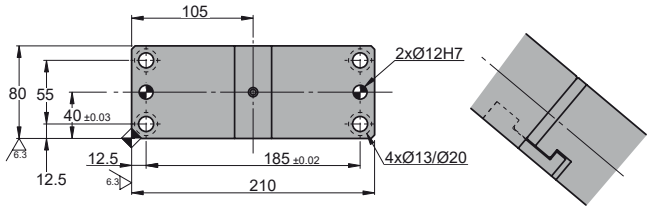
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

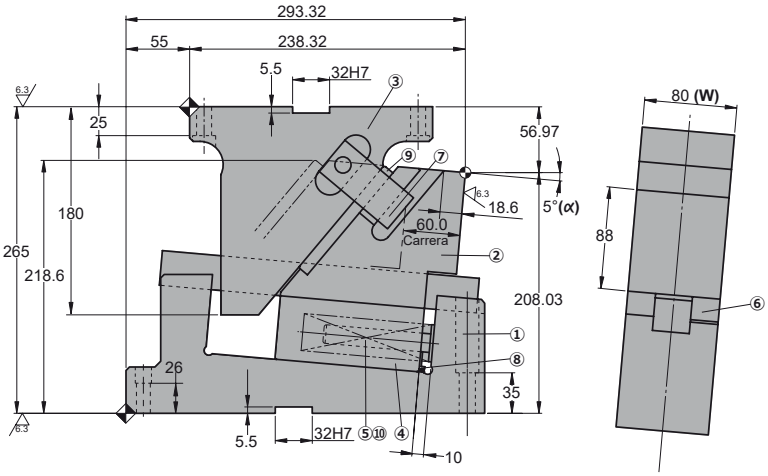
LSPJ 0080

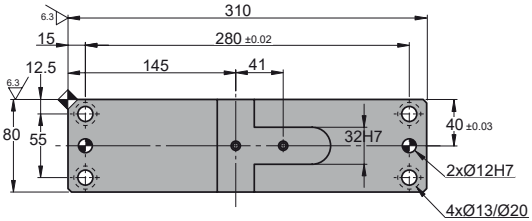
Die mounted cam for pierce and flange

AZOL GAS

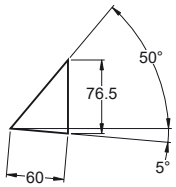
LSPJ 0080 05







◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	33.5	LSPJ	0080	05

Order: Model (W) (α)

LSPJ 0080 05

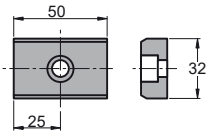
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

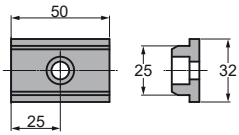
K - KU

KEY

K

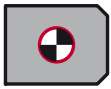


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 05-K

LSPJ 0080 05-KU

LSPJ 0080 05-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

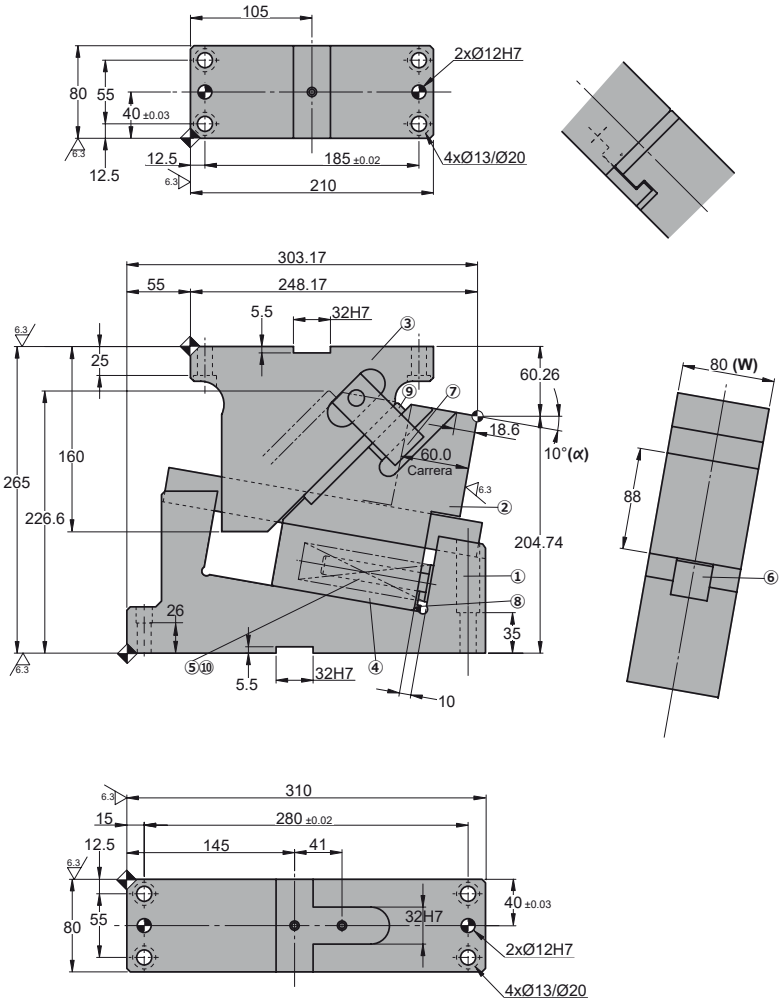
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

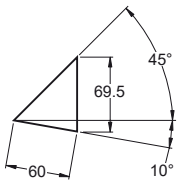
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080 10



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	34.4	LSPJ	0080	10

Order: Model (W) (α)

LSPJ 0080 10

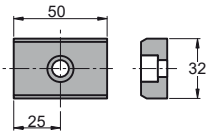
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

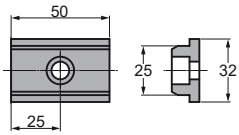
K - KU

KEY

K

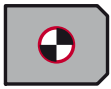


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 10-K

LSPJ 0080 10-KU

LSPJ 0080 10-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

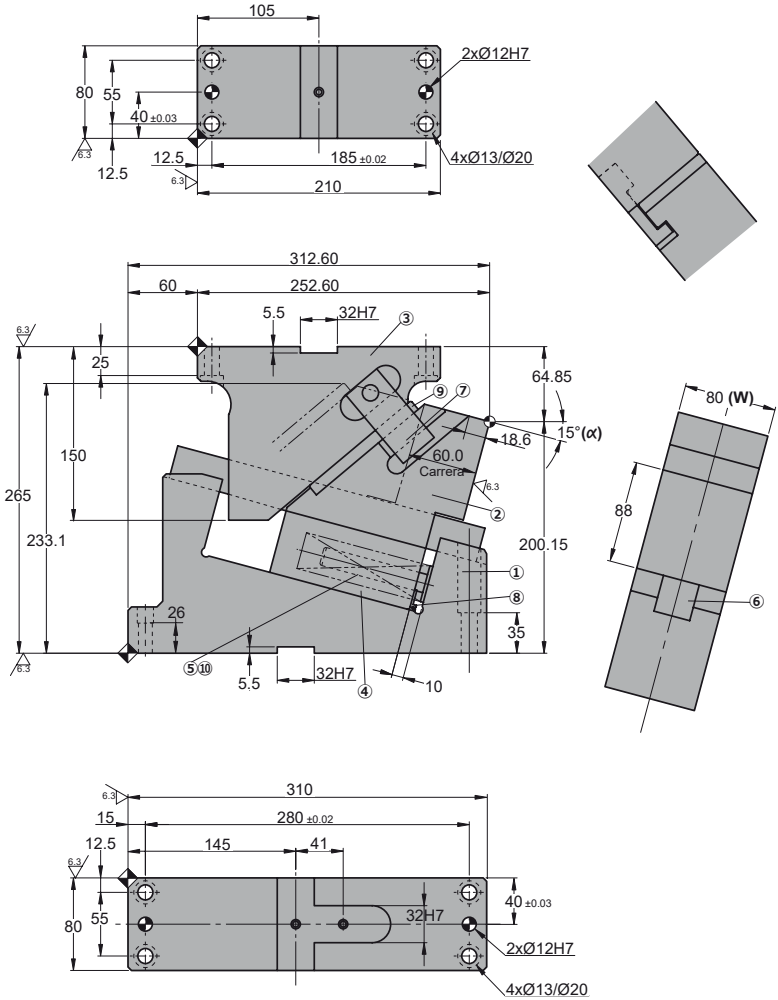
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

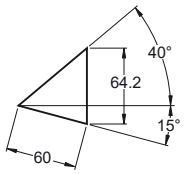
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080 15



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	35.1	LSPJ	0080	15

Order: Model (W) (α)

LSPJ 0080 15

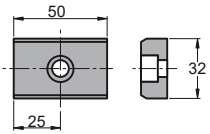
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

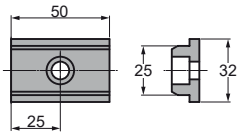
K - KU

KEY

K

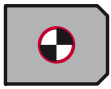


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 15-K

LSPJ 0080 15-KU

LSPJ 0080 15-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

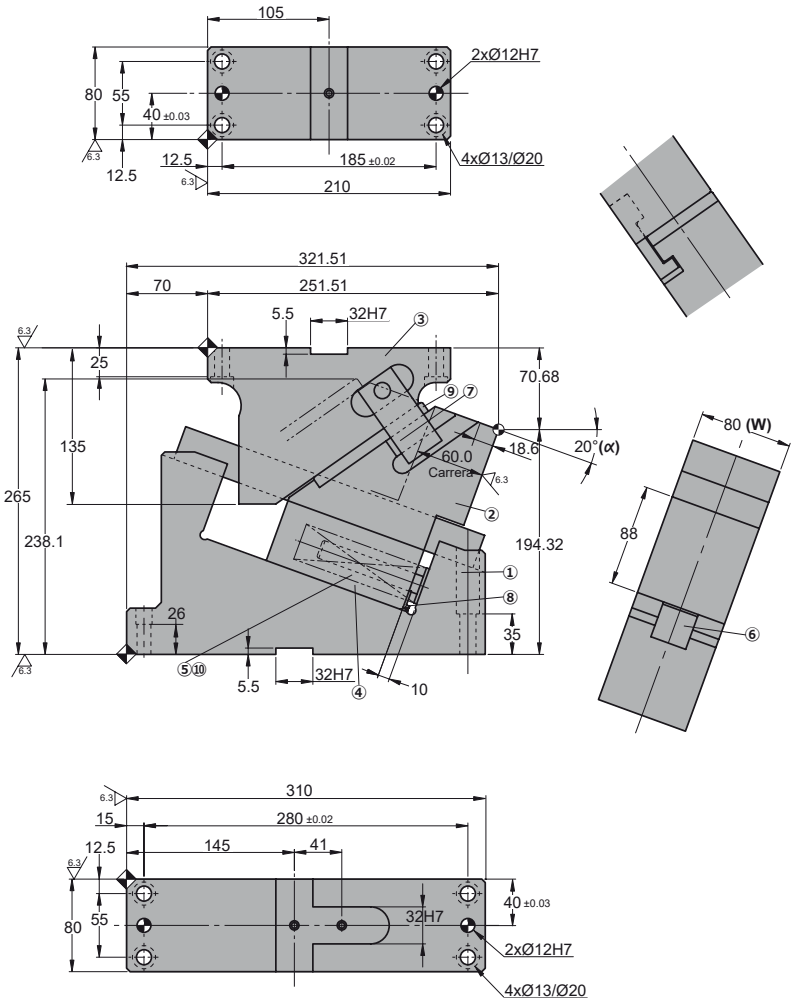
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

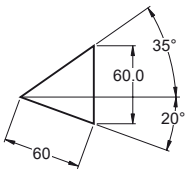
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080 20



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	35.6	LSPJ	0080	20

Order: Model (W) (α)

LSPJ 0080 20

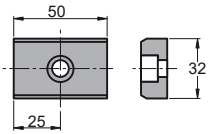
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

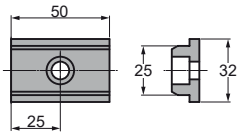
K - KU

KEY

K

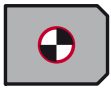


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 20-K

LSPJ 0080 20-KU

LSPJ 0080 20-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

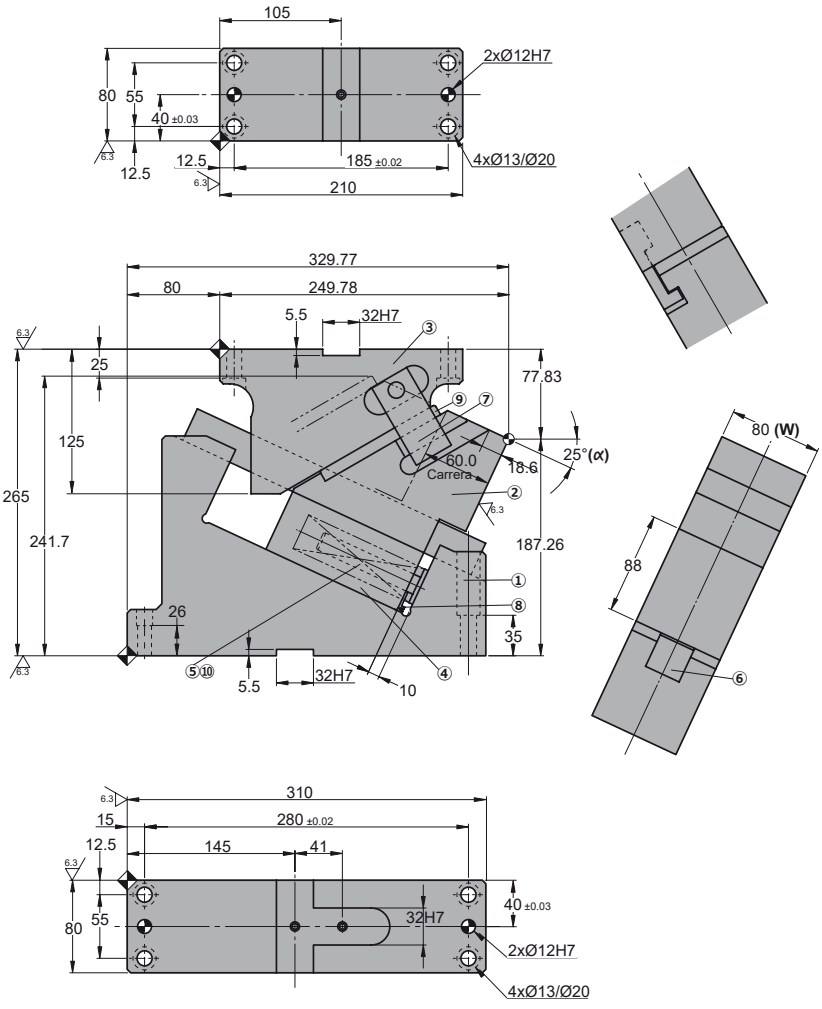
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

LSPJ 0080

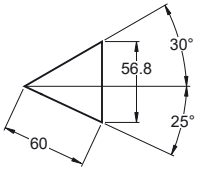
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0080 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	36.3	LSPJ	0080	25

Order: Model (W) (α)

LSPJ 0080 25

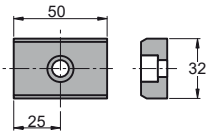
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

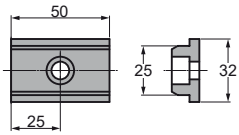
K - KU

KEY

K

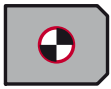


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 25-K

LSPJ 0080 25-KU

LSPJ 0080 25-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

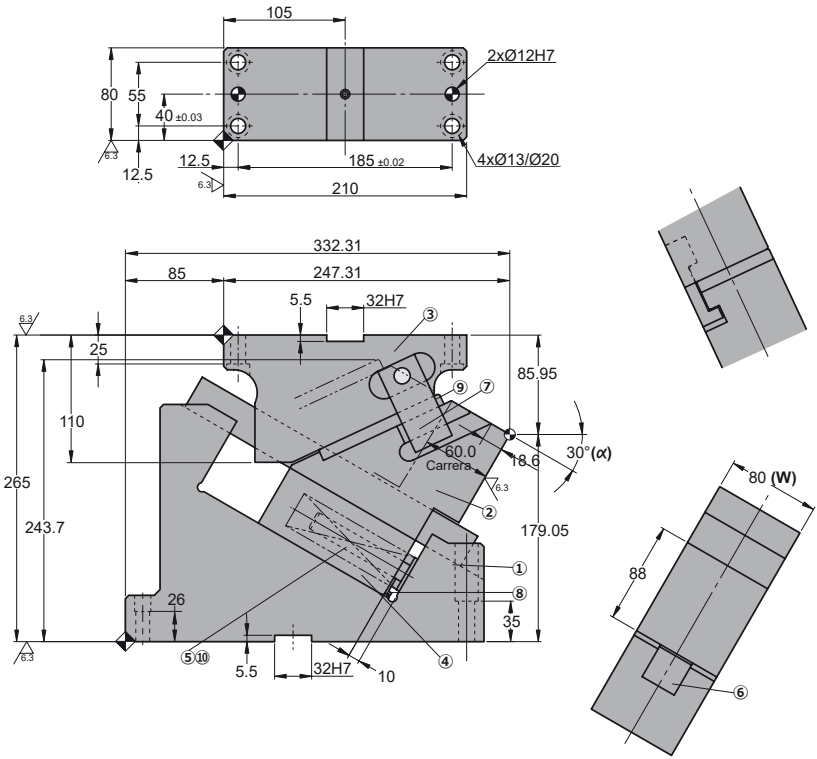
No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

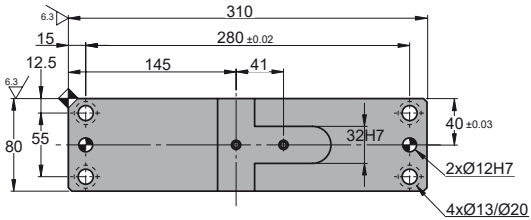
LSPJ 0080

Die mounted cam for pierce and flange

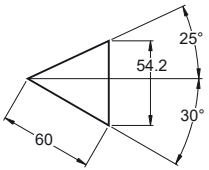
AZOL GAS

LSPJ 0080 30





◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0080

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	35.3 (3.6)	157.6 (16.0)	1339.6 (136.0)	36.7	LSPJ	0080	30

Order: Model (W) (α)

LSPJ 0080 30

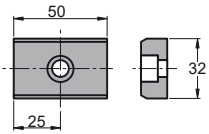
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

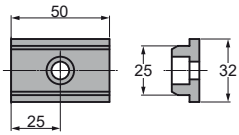
K - KU

KEY

K

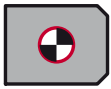


KU



3 x M8x15

P PINS



P13 - Ø13 H7

Order Options: Model (W) (α)-Option

LSPJ 0080 30-K

LSPJ 0080 30-KU

LSPJ 0080 30-K-P13

SPARE PARTS:
⑩ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GGG60
④	Lower Slider	1	GG30 + G
⑤	Spring Guide Pin	1	CK45
⑥	Guide Bar	1	100Cr6 + G
⑦	Positive Return	1	CK45
⑧	Scraper	1	NBR
⑨	Slider Plate	1	Bronce + G
⑩	Coil Spring	1	TJL32-178

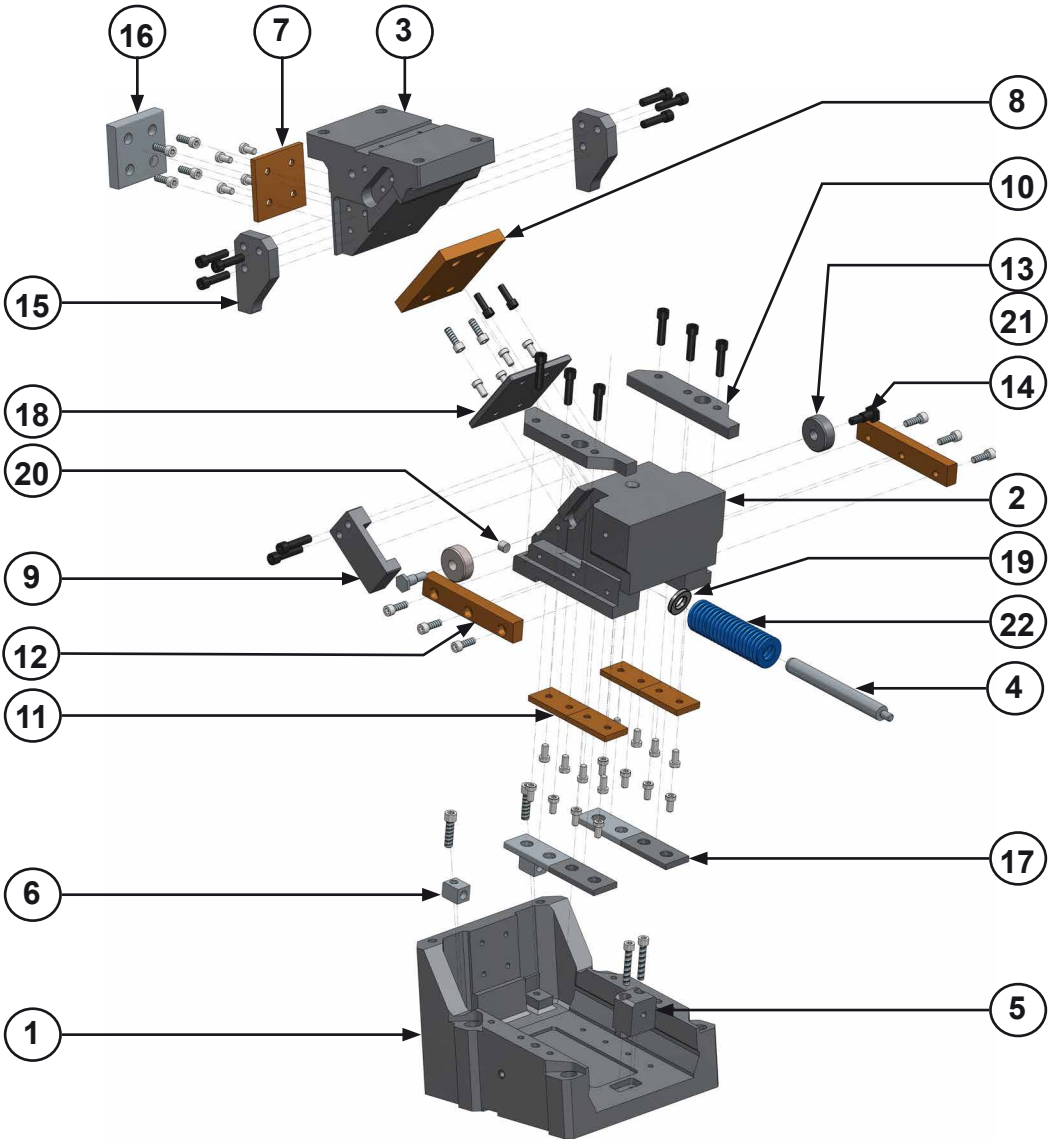
LSPJ 0080

Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

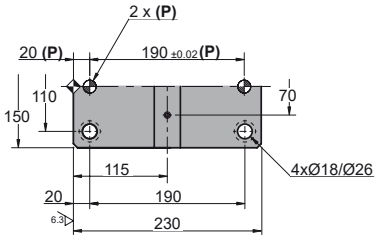


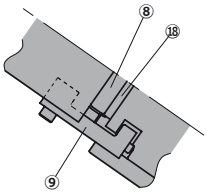
LSPJ 0150

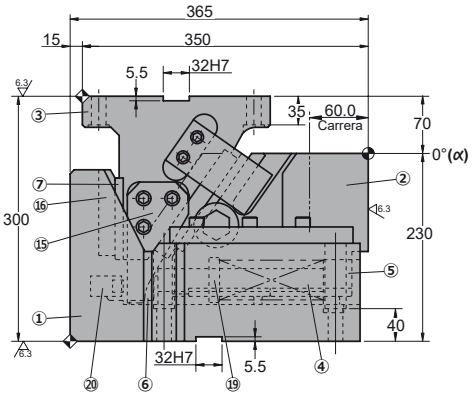
Die mounted cam for pierce and flange

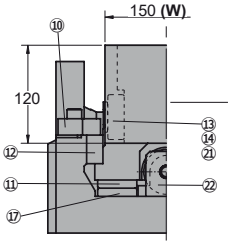
AZOL GAS

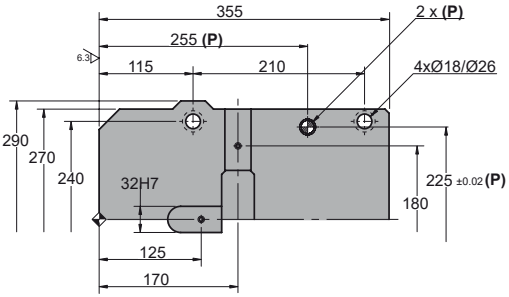
LSPJ 0150 00



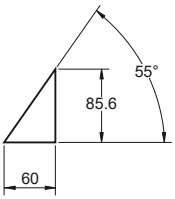








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	130.0	LSPJ	0150	00

Order: Model (W) (α)

LSPJ 0150 00

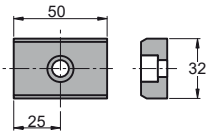
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

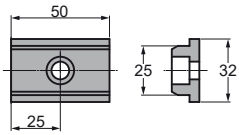
K - KU

KEY

K

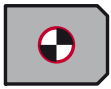


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 00-K

LSPJ 0150 00-KU

LSPJ 0150 00-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

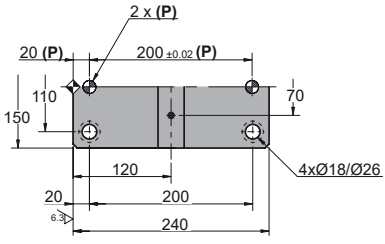
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

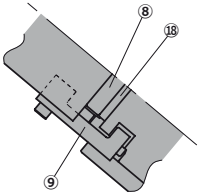
LSPJ 0150

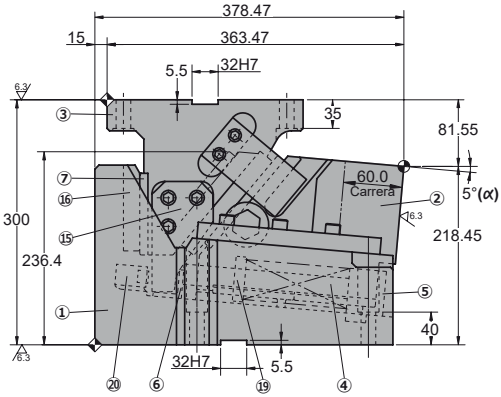
Die mounted cam for pierce and flange

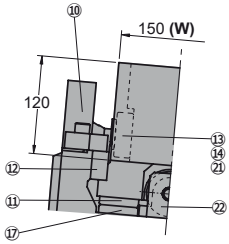
AZOL GAS

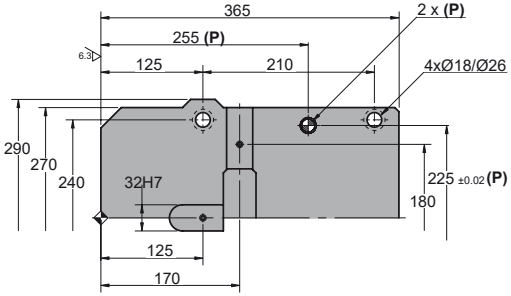
LSPJ 0150 05



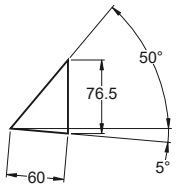








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	134.0	LSPJ	0150	05

Order: Model (W) (α)

LSPJ 0150 05

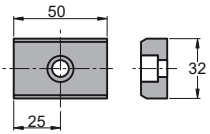
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

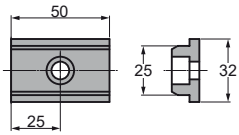
K - KU

KEY

K

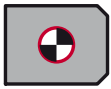


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 05-K

LSPJ 0150 05-KU

LSPJ 0150 05-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

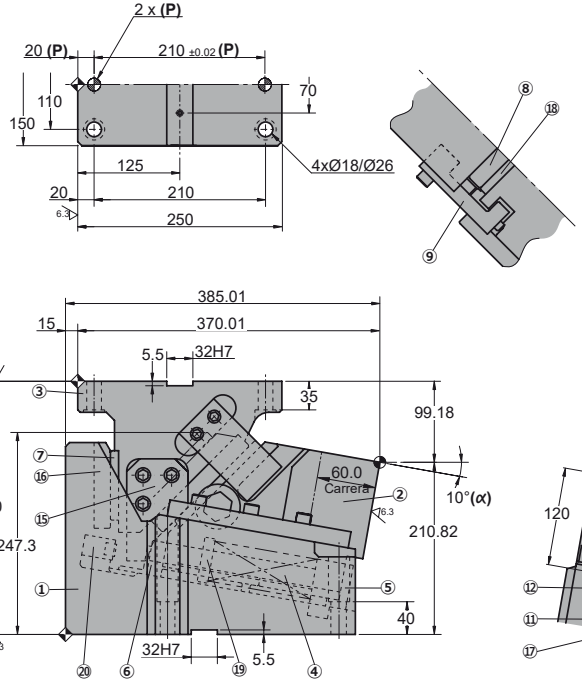
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

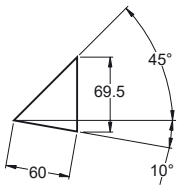
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0150 10



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	137.4	LSPJ	0150	10

Order: Model (W) (α)

LSPJ 0150 10

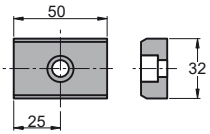
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

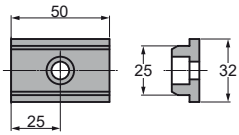
K - KU

KEY

K

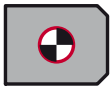


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 10-K

LSPJ 0150 10-KU

LSPJ 0150 10-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

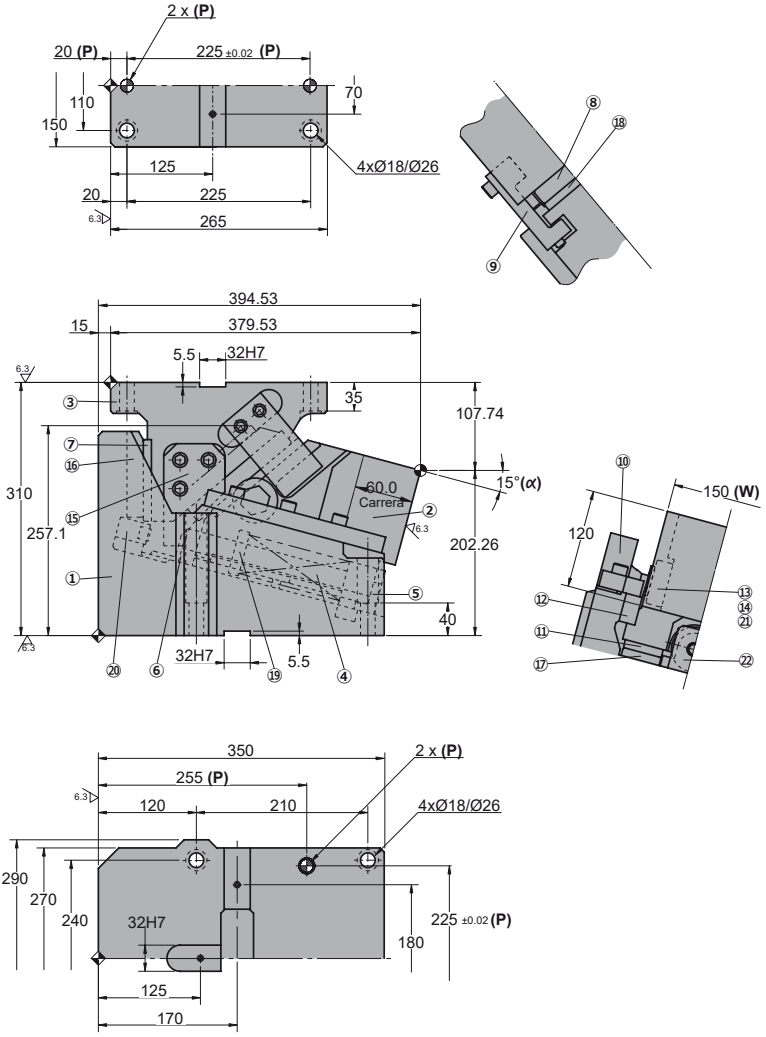
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

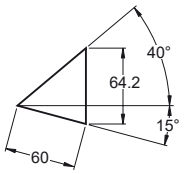
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0150 15



◦**Cam diagram:**



◦**Disassembling space:**

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	138.0	LSPJ	0150	15

Order: Model (W) (α)

LSPJ 0150 15

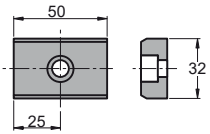
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

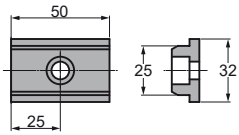
K - KU

KEY

K

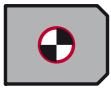


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 15-K

LSPJ 0150 15-KU

LSPJ 0150 15-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

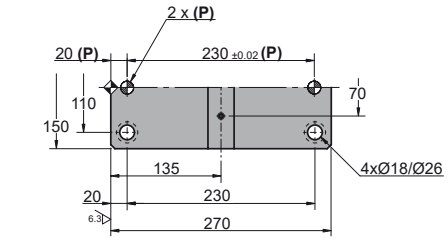
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

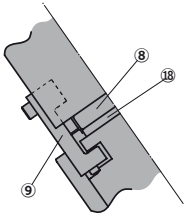
LSPJ 0150

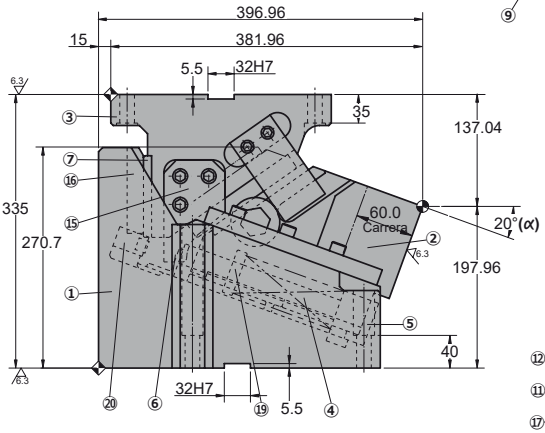
Die mounted cam for pierce and flange

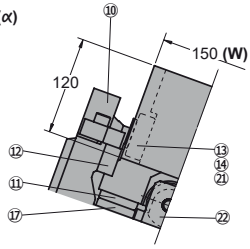
AZOL GAS

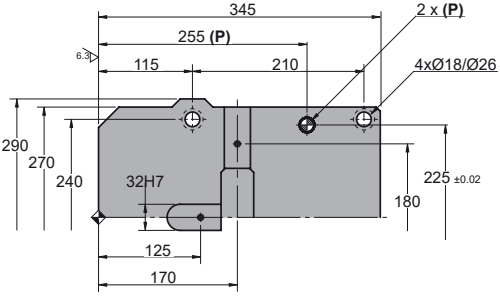
LSPJ 0150 20



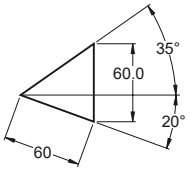








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	146.0	LSPJ	0150	20

Order: Model (W) (α)

LSPJ 0150 20

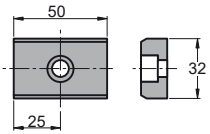
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

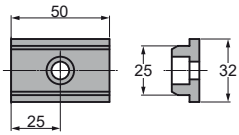
K - KU

KEY

K

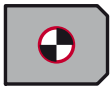


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 20-K

LSPJ 0150 20-KU

LSPJ 0150 20-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

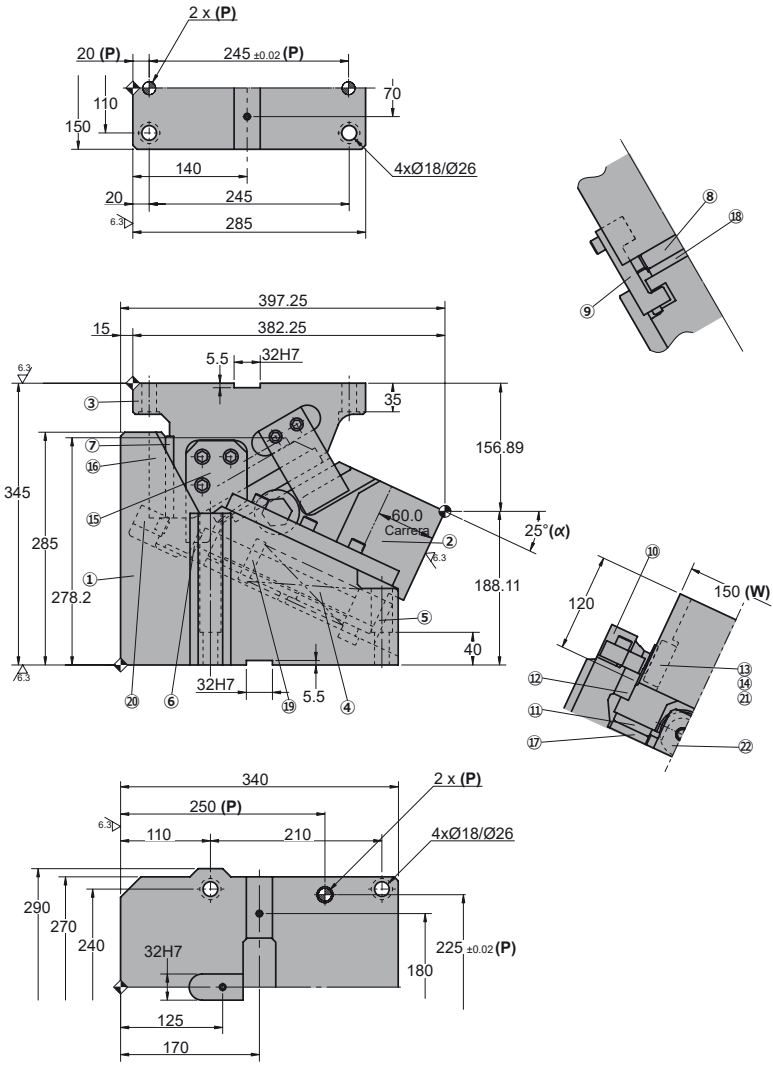
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0150

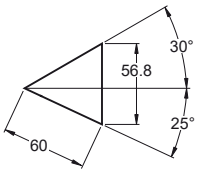
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0150 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	150.0	LSPJ	0150	25

Order: Model (W) (α)

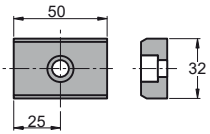
LSPJ 0150 25

Standard order example according to catalog sheet.
Add options applying options table contens.

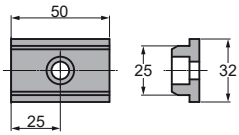
OPTIONS

K - KU KEY

K

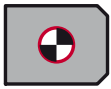


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 25-K

LSPJ 0150 25-KU

LSPJ 0150 25-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

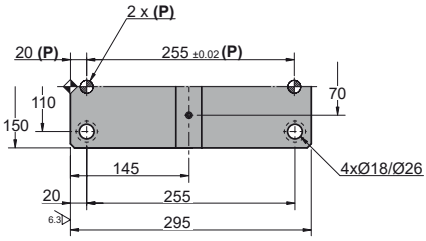
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

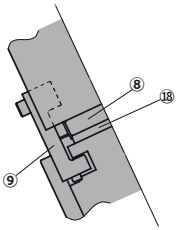
LSPJ 0150

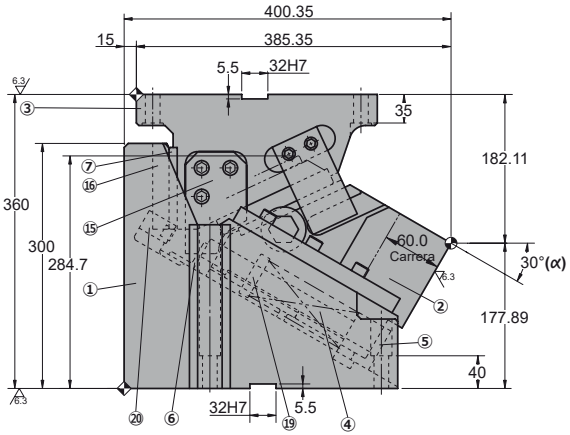
Die mounted cam for pierce and flange

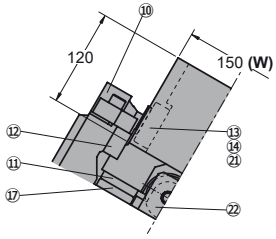
AZOL GAS

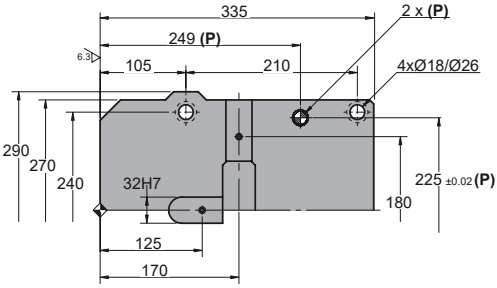
LSPJ 0150 30



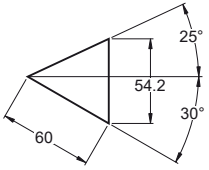








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0150

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	117.6 (12.0)	788.8 (80.3)	3746.8 (381.5)	161.0	LSPJ	0150	30

Order: Model (W) (α)

LSPJ 0150 30

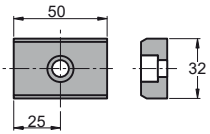
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

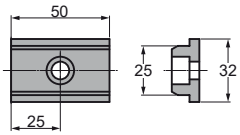
K - KU

KEY

K

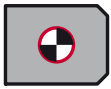


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0150 30-K

LSPJ 0150 30-KU

LSPJ 0150 30-K-P16

SPARE PARTS:

㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

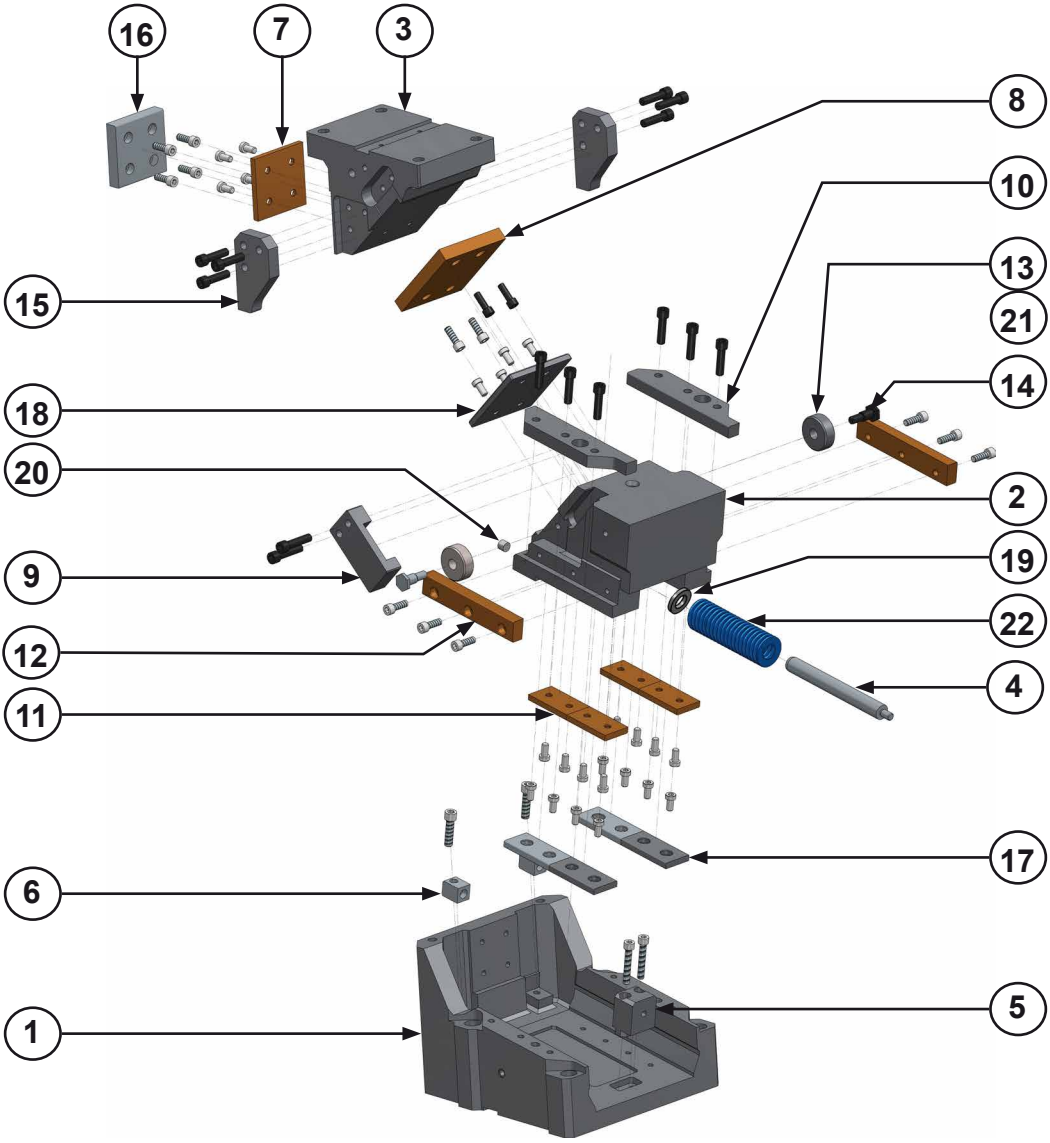
LSPJ 0150

Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

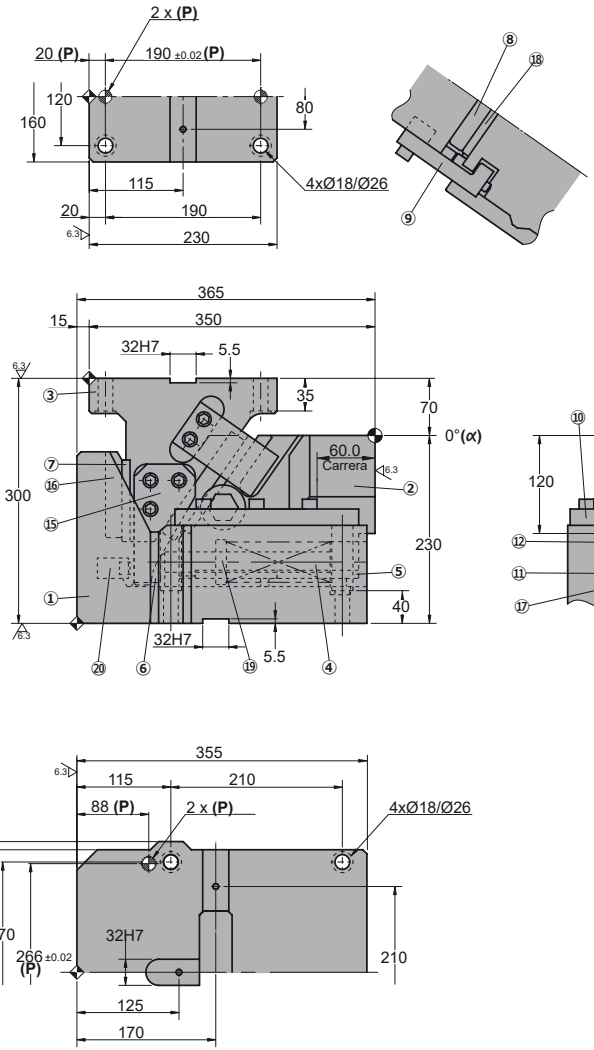


LSPJ 0200

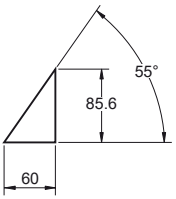
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0200 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	137.0	LSPJ	0200	00

Order: Model (W) (α)

LSPJ 0200 00

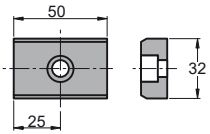
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

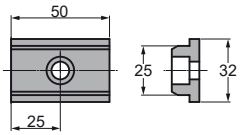
K - KU

KEY

K

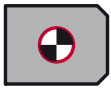


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 00-K

LSPJ 0200 00-KU

LSPJ 0200 00-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

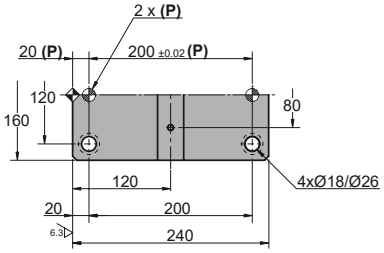
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

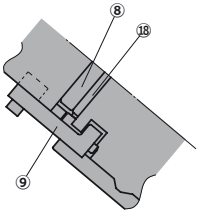
LSPJ 0200

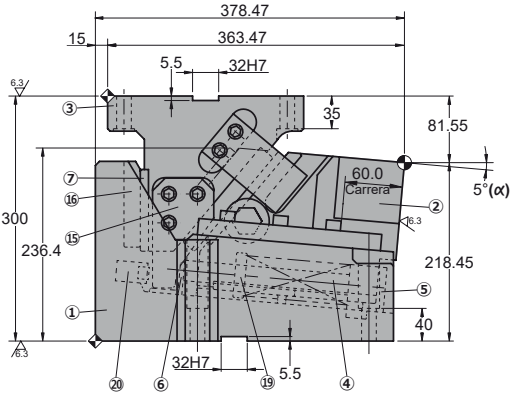
Die mounted cam for pierce and flange

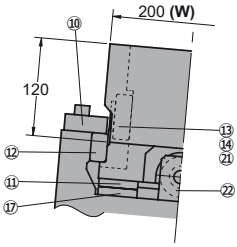
AZOL GAS

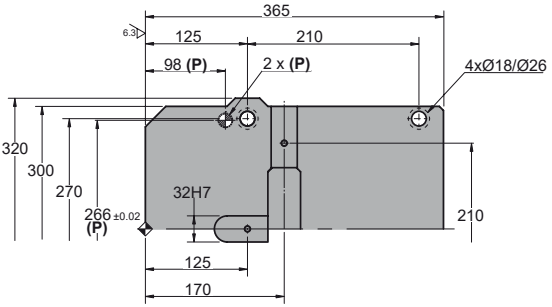
LSPJ 0200 05



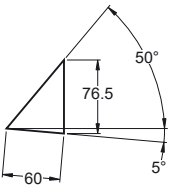








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	142.0	LSPJ	0200	05

Order: Model (W) (α)

LSPJ 0200 05

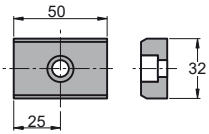
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

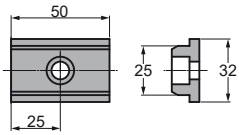
K - KU

KEY

K

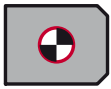


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 05-K

LSPJ 0200 05-KU

LSPJ 0200 05-K-P16

SPARE PARTS:

㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

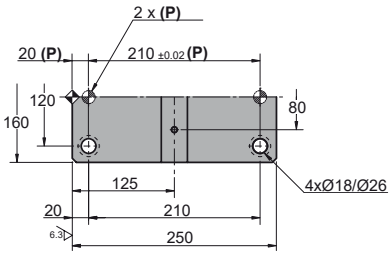
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

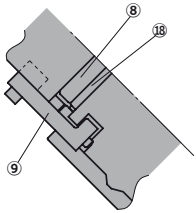
LSPJ 0200

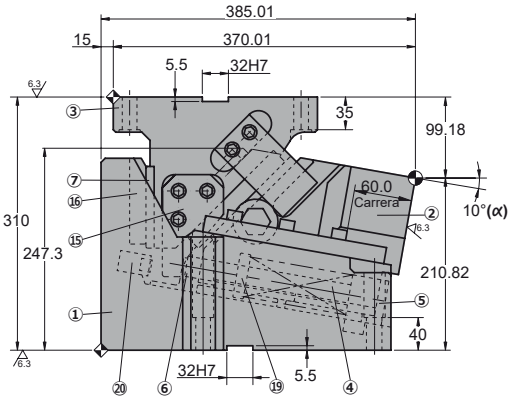
Die mounted cam for pierce and flange

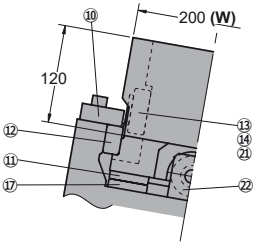
AZOL GAS

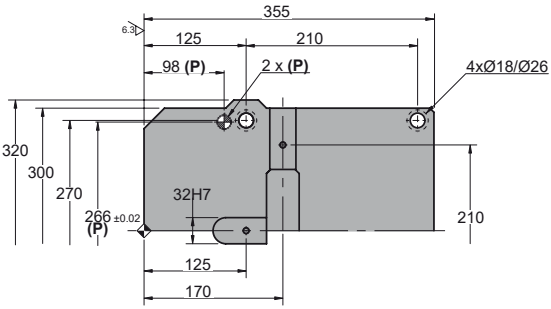
LSPJ 0200 10



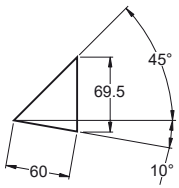








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	146.0	LSPJ	0200	10

Order: Model (W) (α)

LSPJ 0200 10

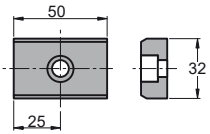
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

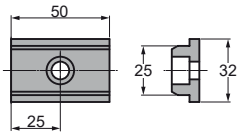
K - KU

KEY

K

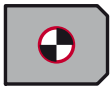


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 10-K

LSPJ 0200 10-KU

LSPJ 0200 10-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

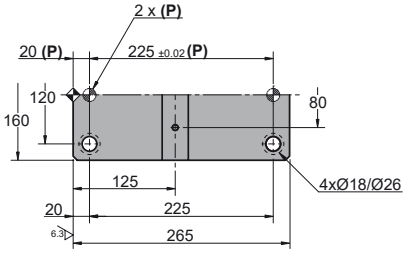
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

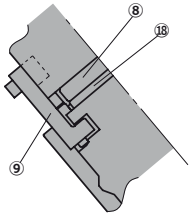
LSPJ 0200

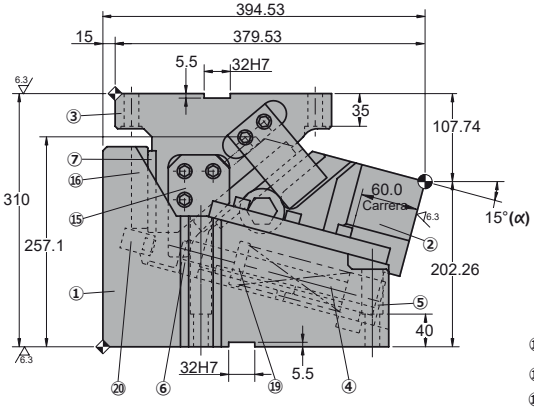
Die mounted cam for pierce and flange

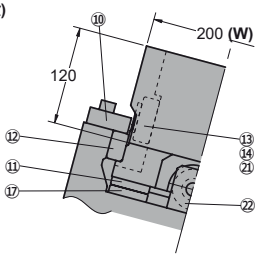
AZOL GAS

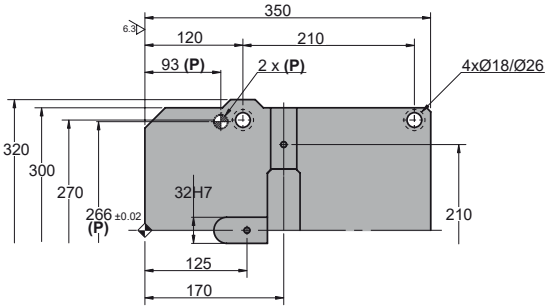
LSPJ 0200 15



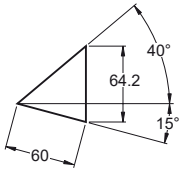








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	152.0	LSPJ	0200	15

Order: Model (W) (α)

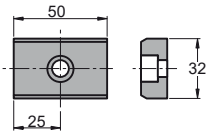
LSPJ 0200 15

Standard order example according to catalog sheet.
Add options applying options table contens.

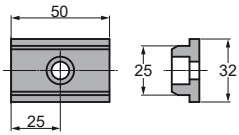
OPTIONS

K - KU KEY

K

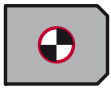


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 15-K

LSPJ 0200 15-KU

LSPJ 0200 15-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

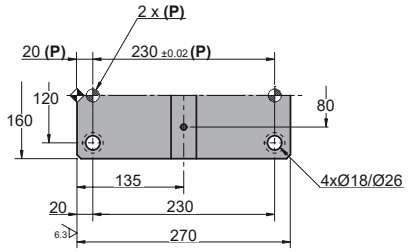
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

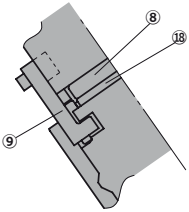
LSPJ 0200

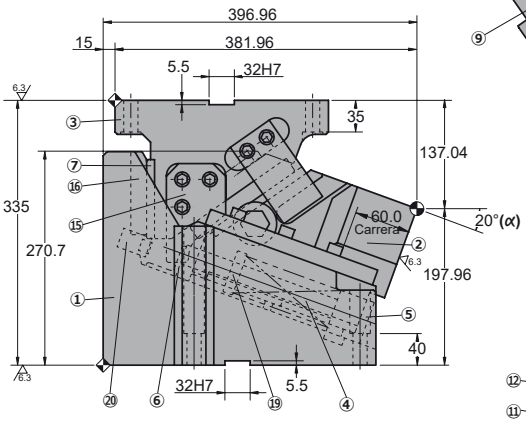
Die mounted cam for pierce and flange

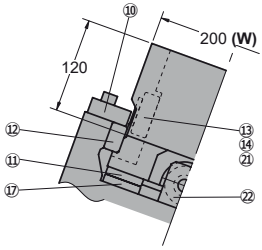
AZOL GAS

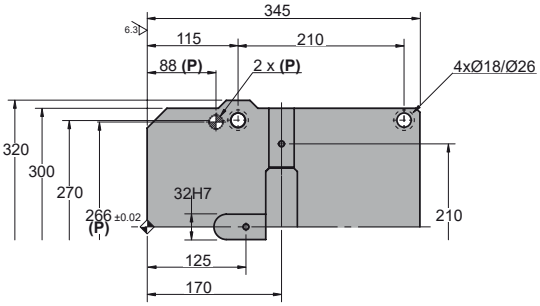
LSPJ 0200 20



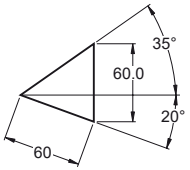








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	160.0	LSPJ	0200	20

Order: Model (W) (α)

LSPJ 0200 20

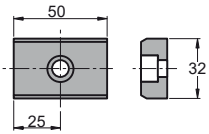
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

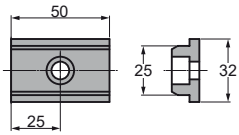
K - KU

KEY

K

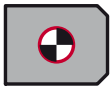


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 20-K

LSPJ 0200 20-KU

LSPJ 0200 20-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

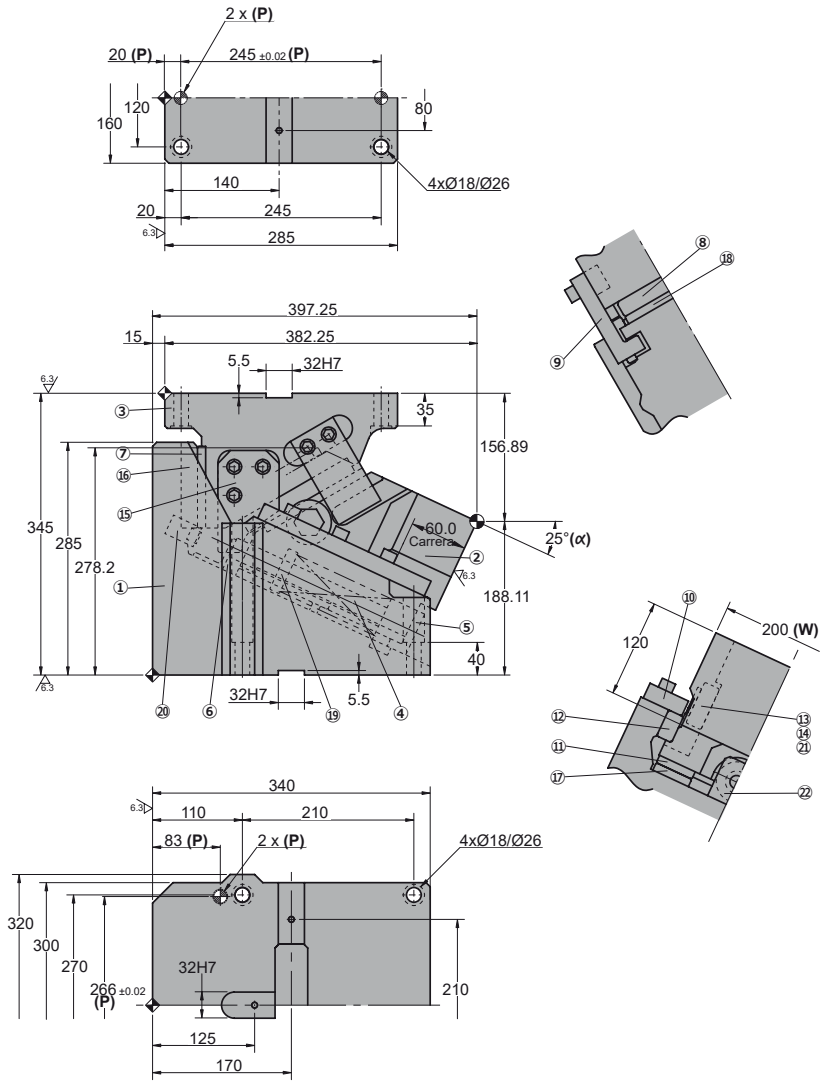
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

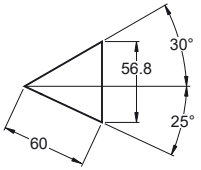
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0200 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	165.0	LSPJ	0200	25

Order: Model (W) (α)

LSPJ 0200 25

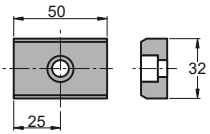
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

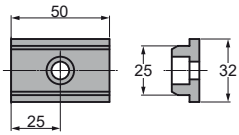
K - KU

KEY

K

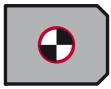


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 25-K

LSPJ 0200 25-KU

LSPJ 0200 25-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

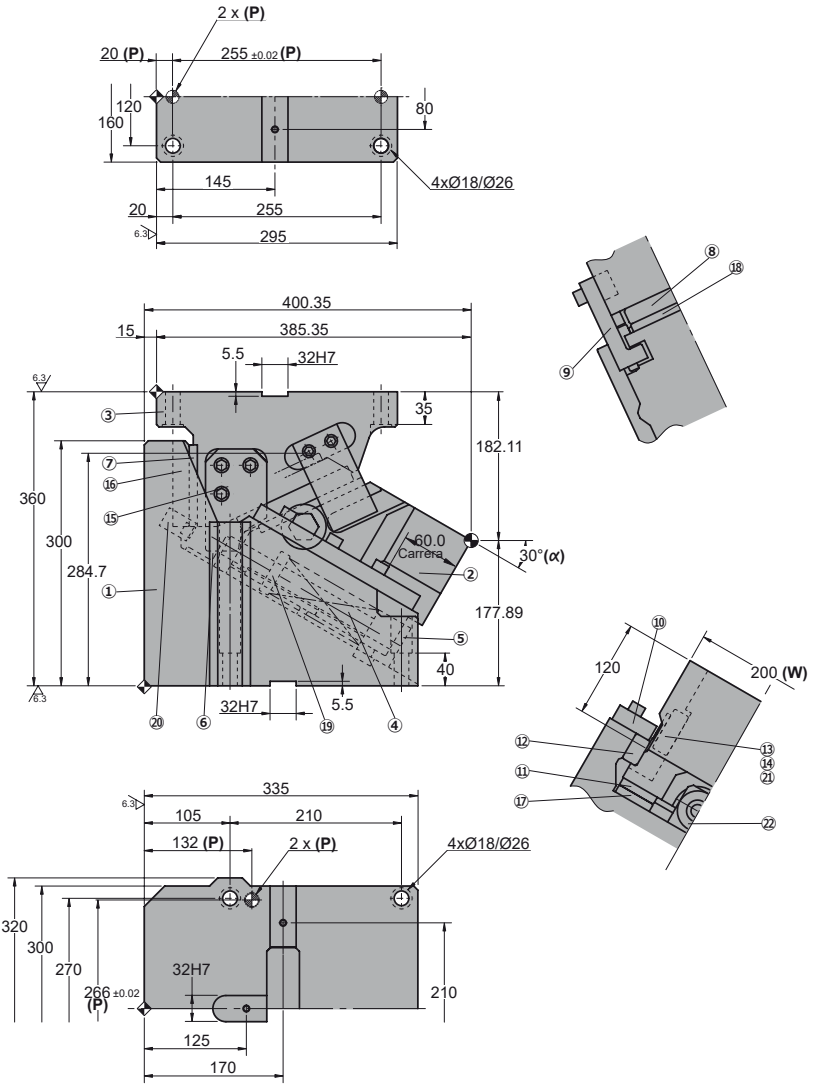
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

LSPJ 0200

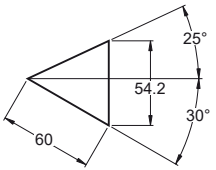
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0200 30



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0200

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	147.0 (15.0)	788.8 (80.3)	3746.8 (381.5)	172.0	LSPJ	0200	30

Order: Model (W) (α)

LSPJ 0200 30

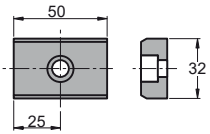
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

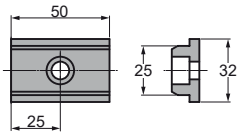
K - KU

KEY

K

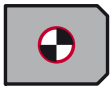


KU



5 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0200 30-K

LSPJ 0200 30-KU

LSPJ 0200 30-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	1	CK45
⑤	Spring Guide Block	1	S235
⑥	Bracket	1	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	1	Bronce + G
⑨	Positive Return	1	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	1	CK45
⑲	Washer	1	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	1	TJL50-203

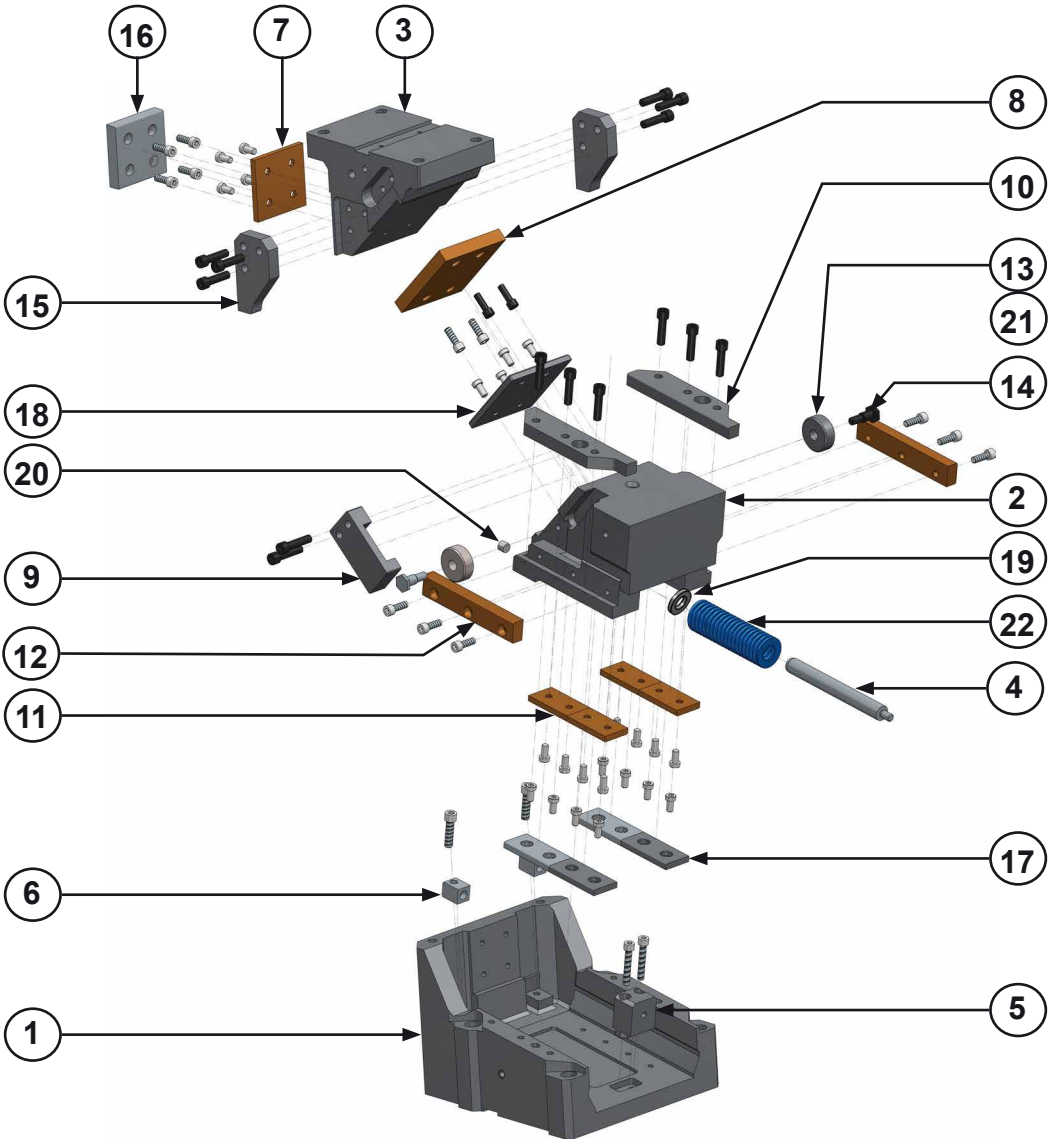
LSPJ 0200

Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

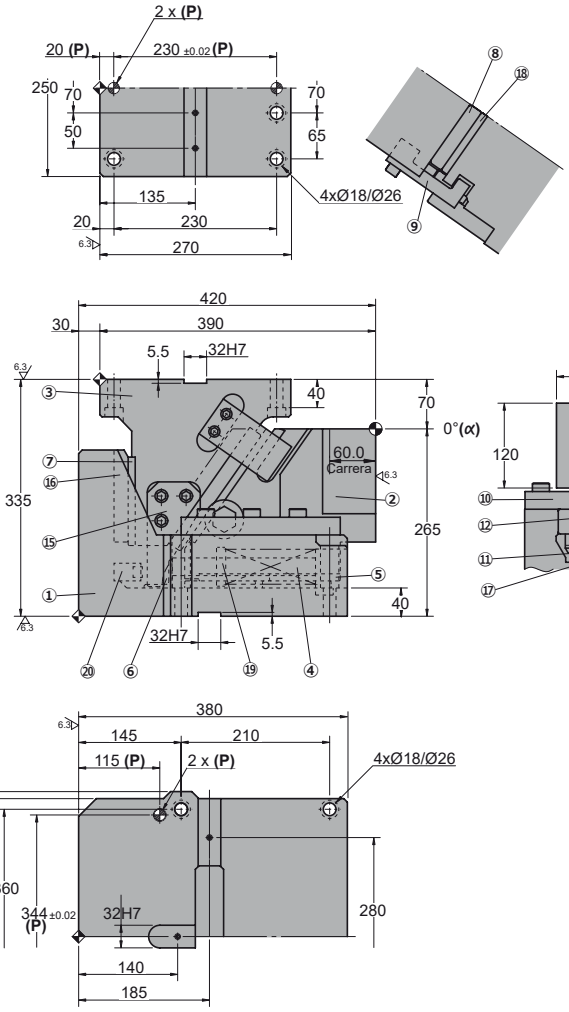


LSPJ 0300

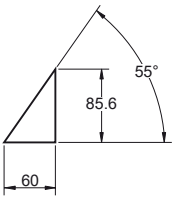
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0300 00



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	243.0	LSPJ	0300	00

Order: Model (W) (α)

LSPJ 0300 00

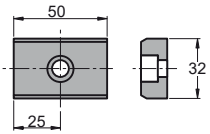
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

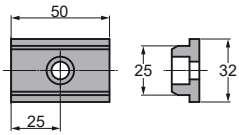
K - KU

KEY

K

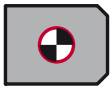


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 00-K

LSPJ 0300 00-KU

LSPJ 0300 00-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

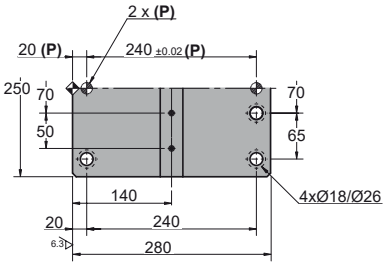
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

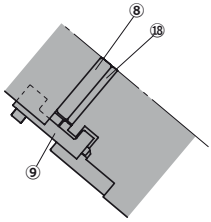
LSPJ 0300

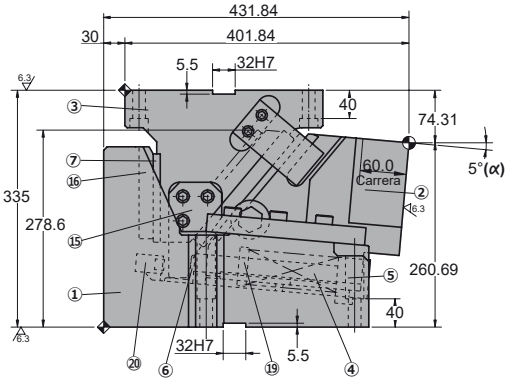
Die mounted cam for pierce and flange

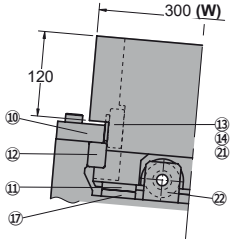
AZOL GAS

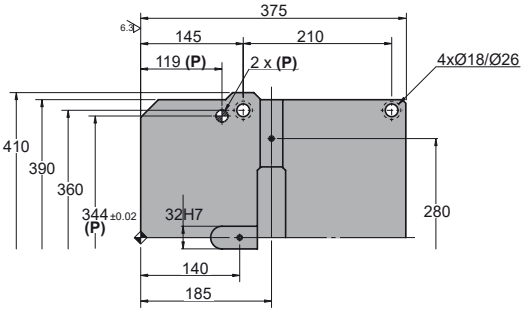
LSPJ 0300 05



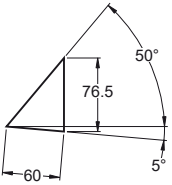








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	250.0	LSPJ	0300	05

Order: Model (W) (α)

LSPJ 0300 05

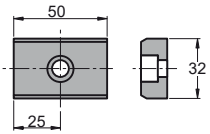
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

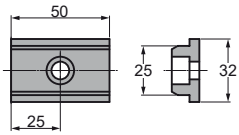
K - KU

KEY

K

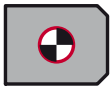


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 05-K

LSPJ 0300 05-KU

LSPJ 0300 05-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

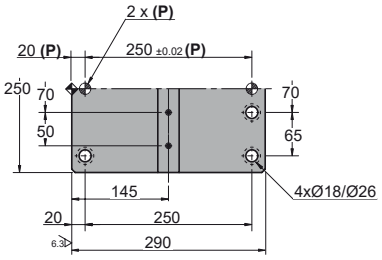
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

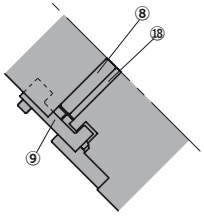
LSPJ 0300

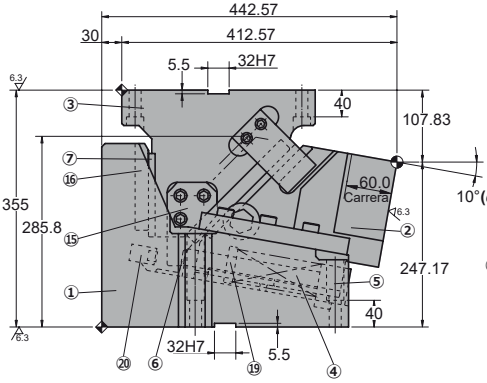
Die mounted cam for pierce and flange

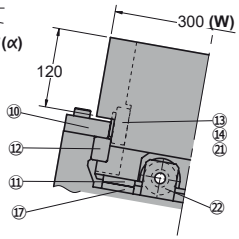
AZOL GAS

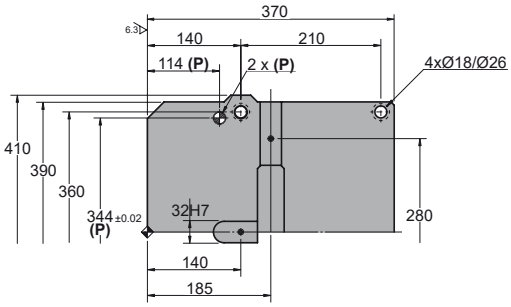
LSPJ 0300 10



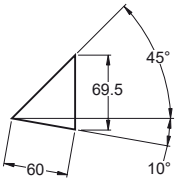








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	261.0	LSPJ	0300	10

Order: Model (W) (α)

LSPJ 0300 10

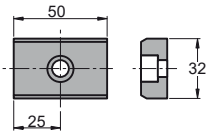
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

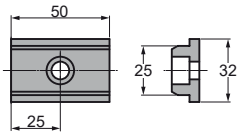
K - KU

KEY

K

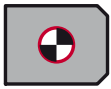


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 10-K

LSPJ 0300 10-KU

LSPJ 0300 10-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

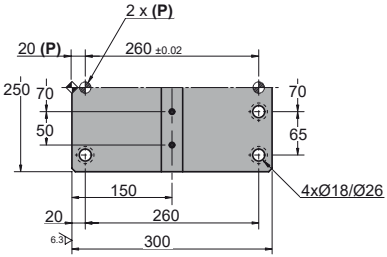
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

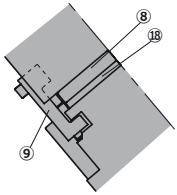
LSPJ 0300

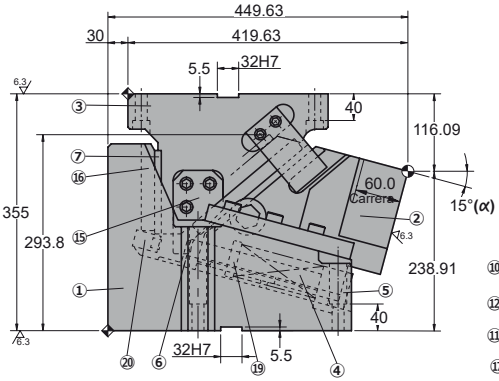
Die mounted cam for pierce and flange

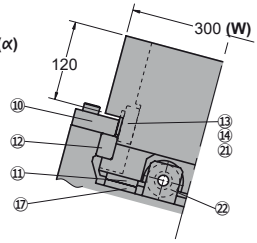
AZOL GAS

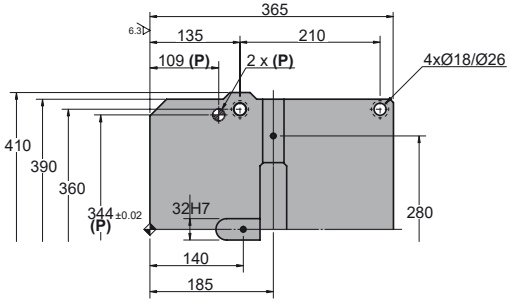
LSPJ 0300 15



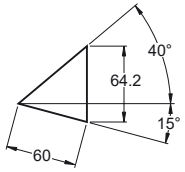








◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	263.0	LSPJ	0300	15

Order: Model (W) (α)

LSPJ 0300 15

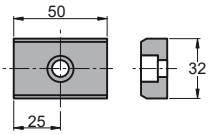
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

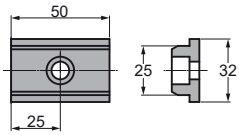
K - KU

KEY

K

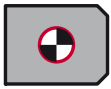


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 15-K

LSPJ 0300 15-KU

LSPJ 0300 15-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

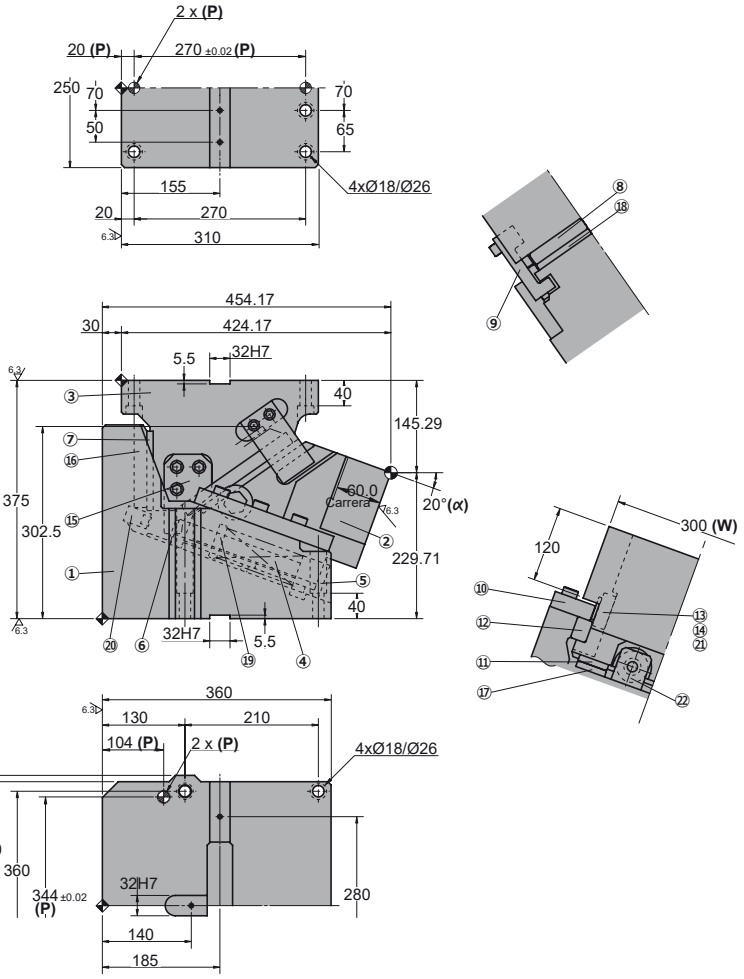
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

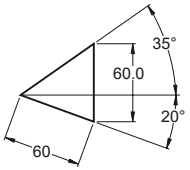
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0300 20



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	275.0	LSPJ	0300	20

Order: Model (W) (α)

LSPJ 0300 20

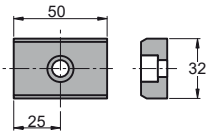
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

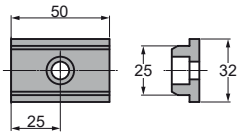
K - KU

KEY

K

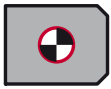


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 20-K

LSPJ 0300 20-KU

LSPJ 0300 20-K-P16

SPARE PARTS:

㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

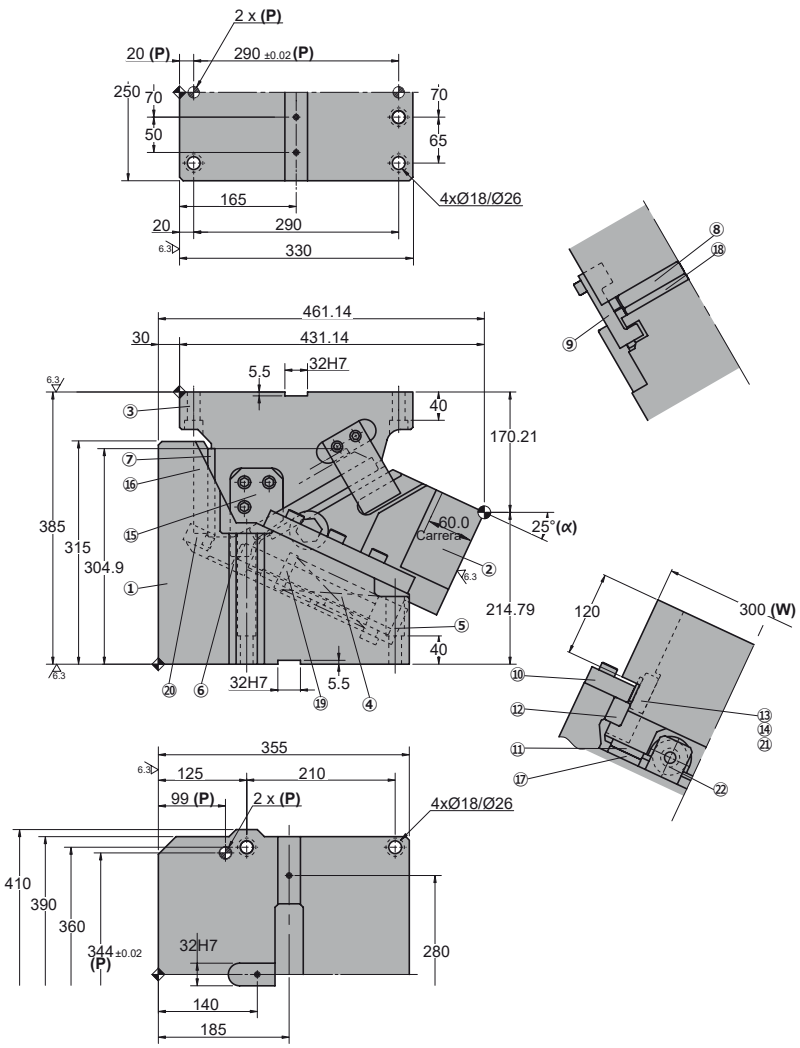
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

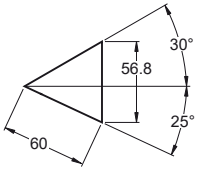
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0300 25



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	287.0	LSPJ	0300	25

Order: Model (W) (α)

LSPJ 0300 25

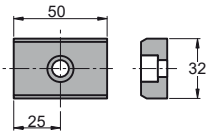
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

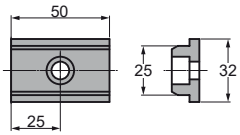
K - KU

KEY

K

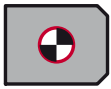


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 25-K

LSPJ 0300 25-KU

LSPJ 0300 25-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

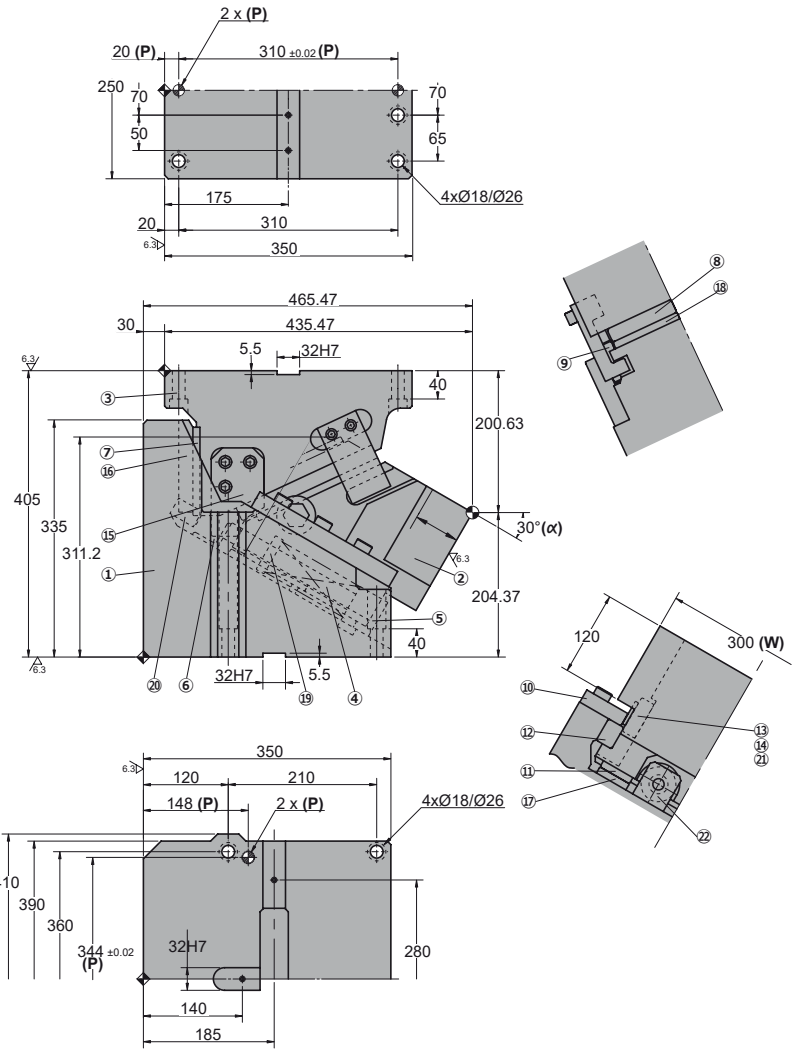
No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

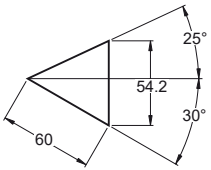
Die mounted cam for pierce and flange

AZOL GAS

LSPJ 0300 30



◦Cam diagram:



◦Disassembling space:

AZOL GAS

LSPJ 0300

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	294.0 (30.0)	1577.6 (160.6)	7493.6 (763.0)	303.0	LSPJ	0300	30

Order: Model (W) (α)

LSPJ 0300 30

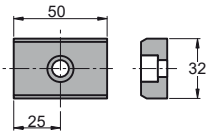
Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

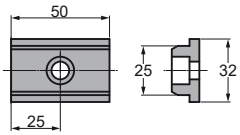
K - KU

KEY

K

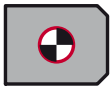


KU



7 x M8x15

P PINS



P16 - Ø16 H7

Order Options: Model (W) (α)-Option

LSPJ 0300 30-K

LSPJ 0300 30-KU

LSPJ 0300 30-K-P16

SPARE PARTS:
㉒ Coil Spring

COMPONENTS

No.	Descripción	Qty.	Material
①	Cam Holder	1	GG30
②	Cam Slider	1	GGG60
③	Cam Driver	1	GG30
④	Spring Guide Pin	2	CK45
⑤	Spring Guide Block	2	S235
⑥	Bracket	2	S235
⑦	Enlarger Plate	1	Bronce + G
⑧	Holder Plate	2	Bronce + G
⑨	Positive Return	2	CK45
⑩	Upper Plate	2	CK45
⑪	Lower Plate	4	Bronce + G
⑫	Cam Slider Plate	2	Bronce + G
⑬	Bushing	2	Bronce + G
⑭	Shaft	2	CK45
⑮	Roller Guide	2	CK45

No.	Descripción	Qty.	Material
⑯	Back Plate	1	CK45
⑰	Slider Plate A	4	CK45
⑱	Slider Plate B	2	CK45
⑲	Washer	2	CK45
⑳	Stopper	2	Goma
㉑	Roller	2	CK45
㉒	Coil Spring	2	TJL50-203

LSPJ 0300

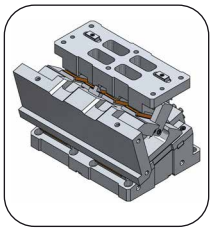
Die mounted cam for pierce and flange

AZOL GAS

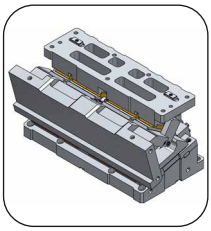
LSLD

Die mounted cam for pierce and flange

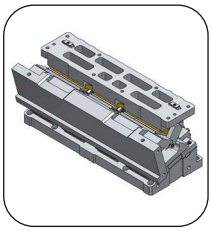
General information



LSLD 0500
LSLD 0600



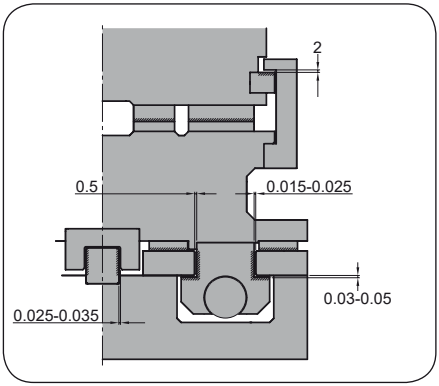
LSLD 0700
LSLD 0800



LSLD 0900
LSLD 1000

- **Die mounted cam.**
- **Angles from 0° to 20° with increments of 5°.**
- **Rigid guides system.**
- **Gas spring equiped unit.**

Adjustment clearances



LSLD 0500
LSLD 0600
LSLD 0700
LSLD 0800
LSLD 0900
LSLD 1000

LSLD

Die mounted cam for pierce and flange

AZOL GAS

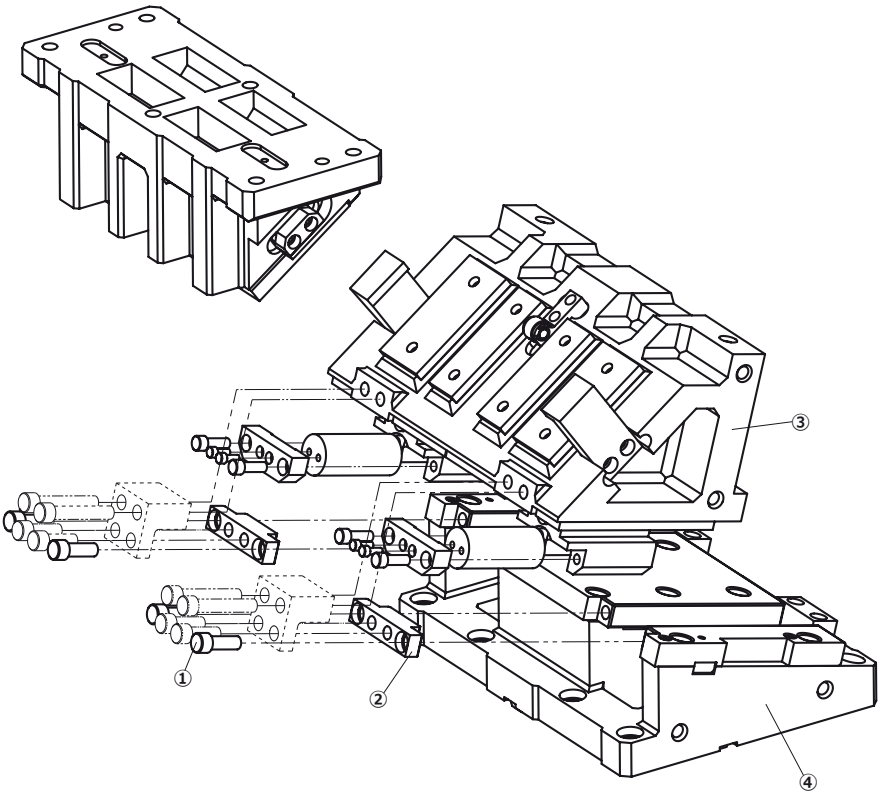
Assembling and disassembling

Disassembling process

- Unscrew ① pieces and remove ② stopper plate.
- Remove ③ cam slider from ④ cam holder.

Assembling process

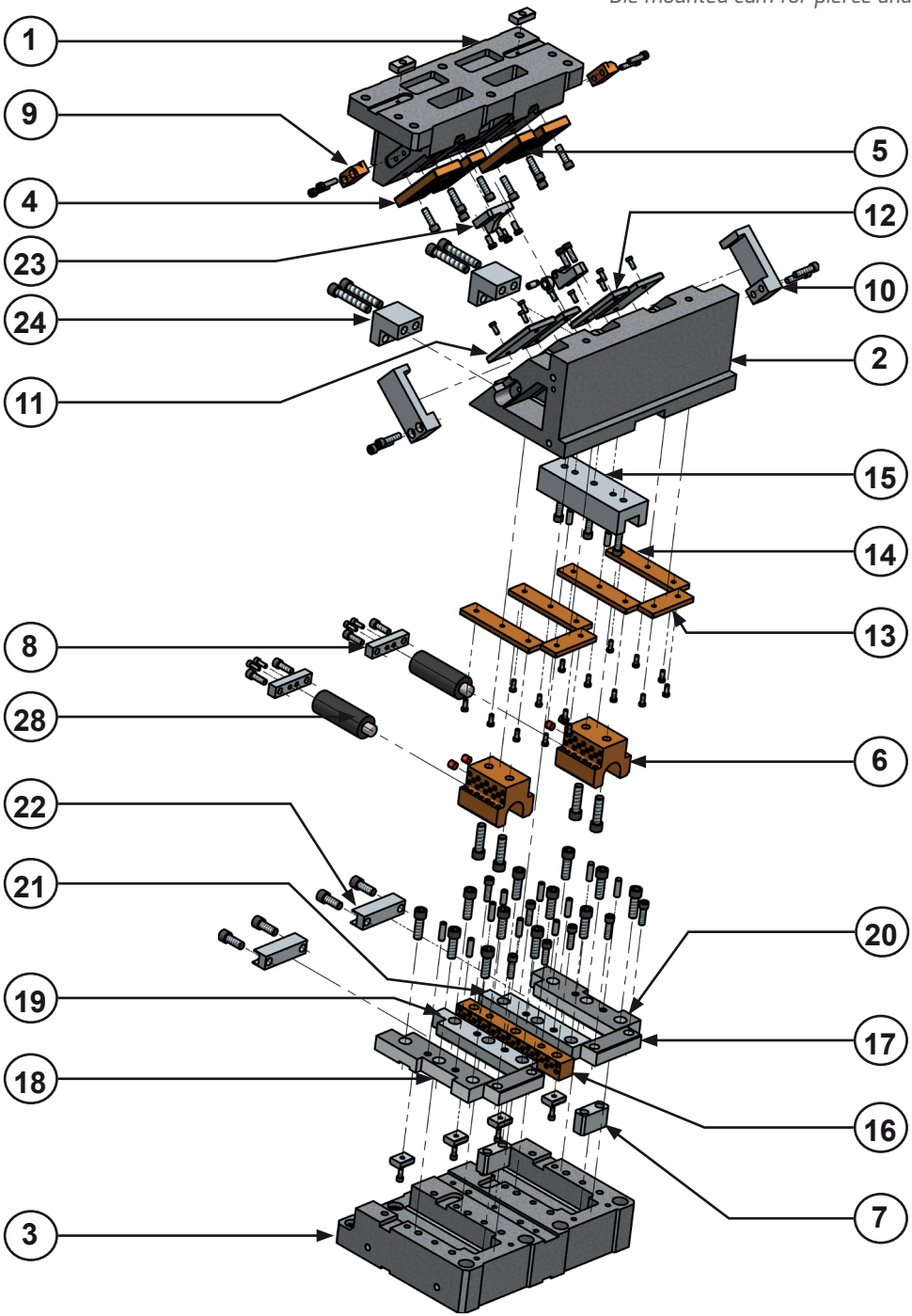
- Make sure that there are no metal shaving or inpurities.
- The clearance between the cam holder and slider is controlled.
- Match the serial numbers marked in each part before assembly.
- Make sure that all the screws have been used.



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

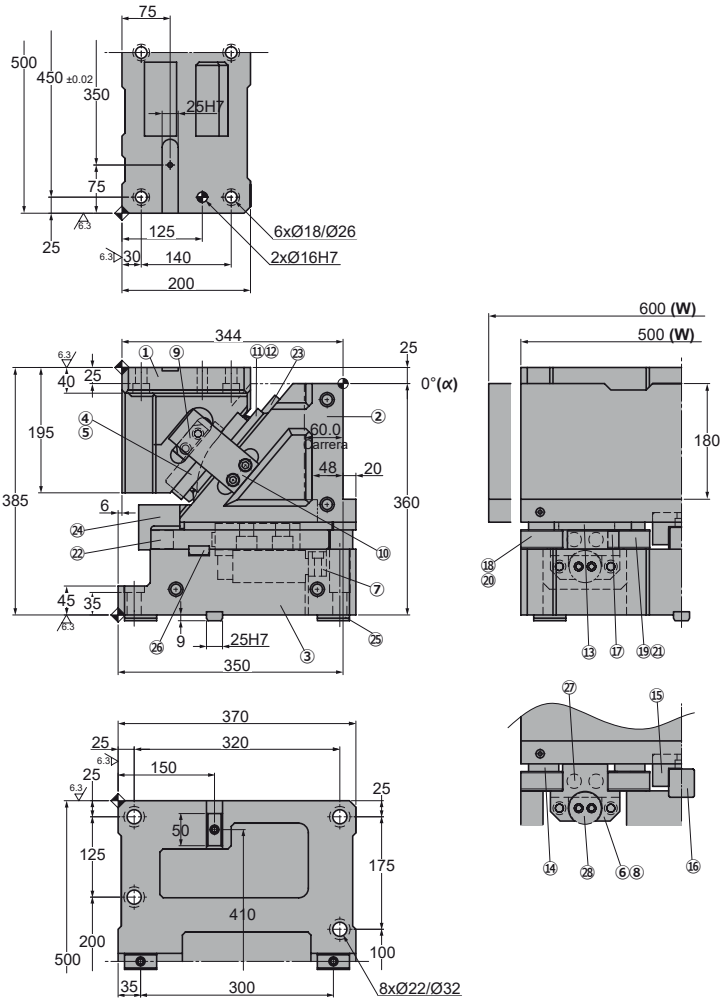


LSLD 0500-0600

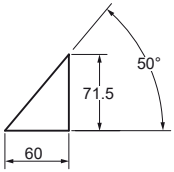
Die mounted cam for pierce and flange

AZOL GAS

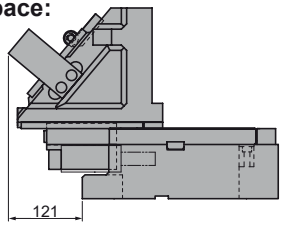
LSLD 0500 00
LSLD 0600 00



◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	316	LSLD	0500	00
					325		0600	

Order: Model (W) (α)

LSLD 0500 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

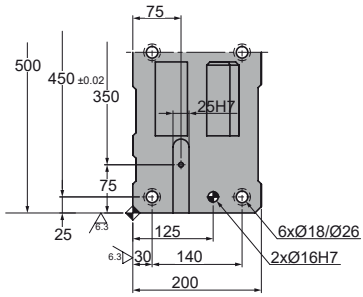
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 R63 V1

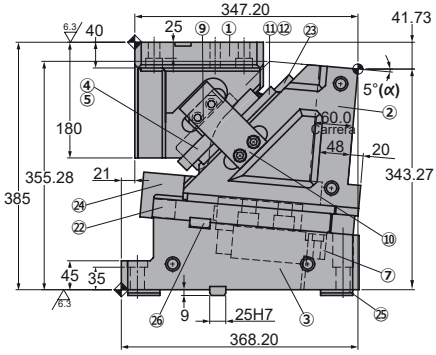
LSLD 0500-0600

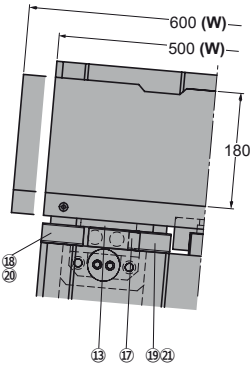
Die mounted cam for pierce and flange

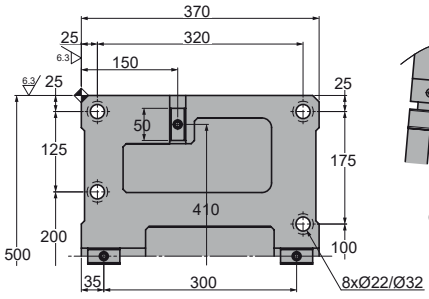
AZOL GAS

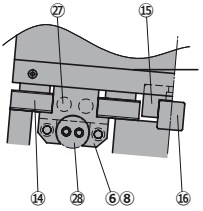
LSLD 0500 05
LSLD 0600 05



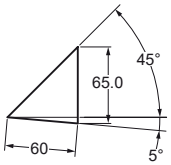




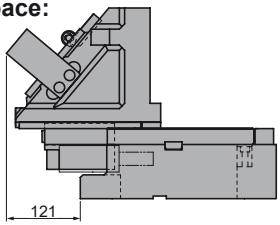




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	310	LSLD	0500	05
					318		0600	

Order: Model (W) (α)

LSLD 0500 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

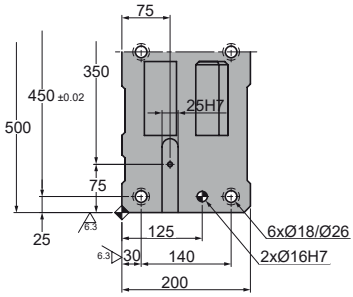
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 R63 V1

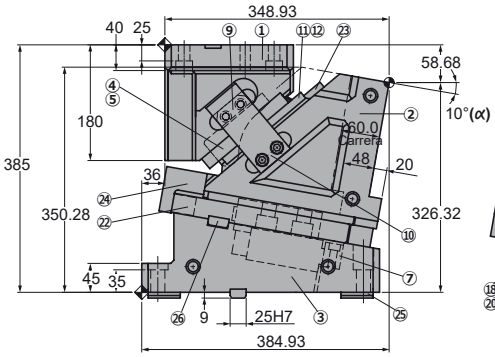
LSLD 0500-0600

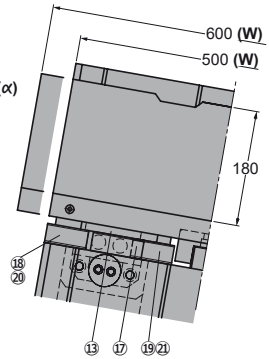
Die mounted cam for pierce and flange

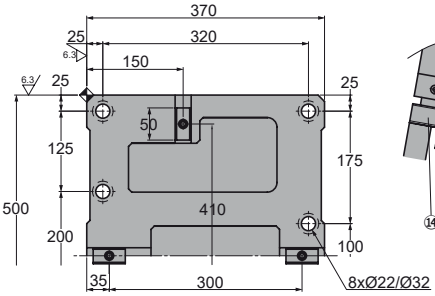
AZOL GAS

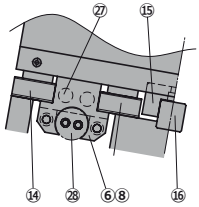
LSLD 0500 10
LSLD 0600 10



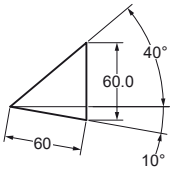




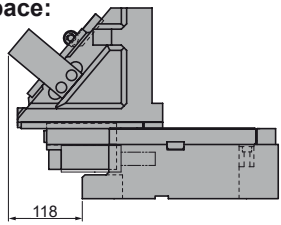




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	306	LSLD	0500	10
					314		0600	

Order: Model (W) (α)

LSLD 0500 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

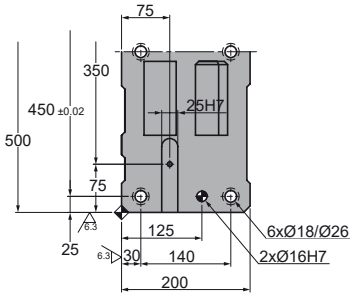
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 R63 V1

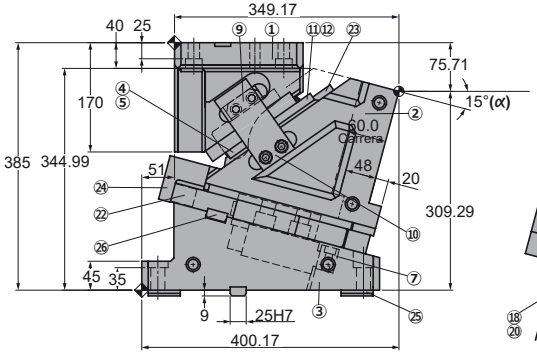
LSLD 0500-0600

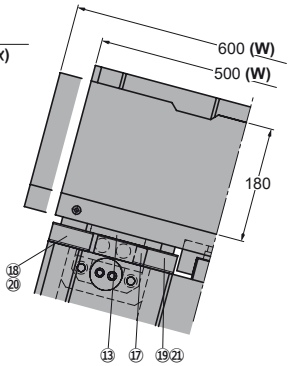
Die mounted cam for pierce and flange

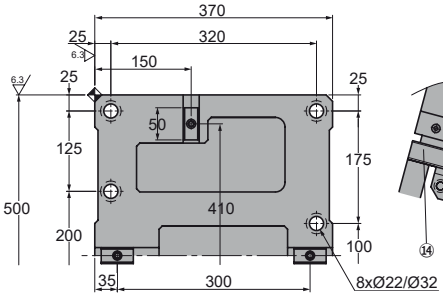
AZOL GAS

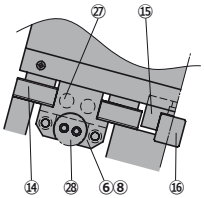
LSLD 0500 15
LSLD 0600 15



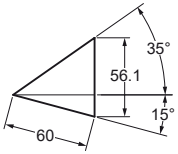




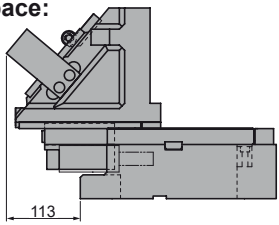




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	302	LSLD	0500	15
					310		0600	

Order: Model (W) (α)

LSLD 0500 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

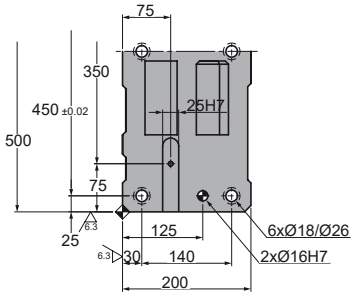
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 R63 V1

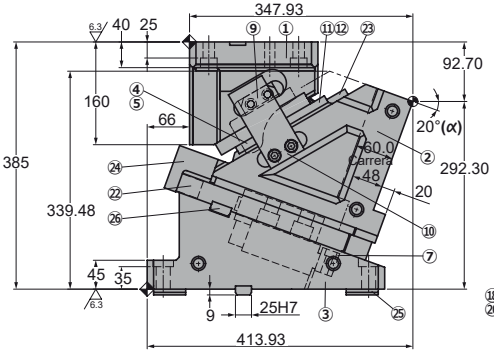
LSLD 0500-0600

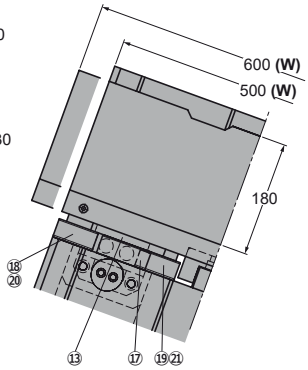
Die mounted cam for pierce and flange

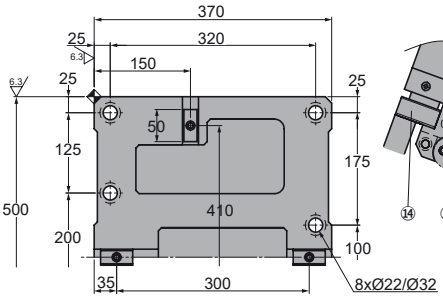
AZOL GAS

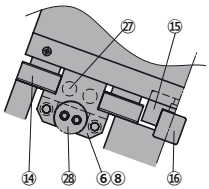
LSLD 0500 20
LSLD 0600 20



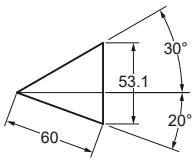




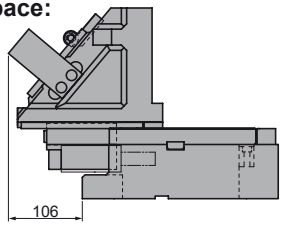




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0500-0600

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	313.6 (32.0)	940.8 (96.0)	0.0 (0.0)	20800.0 (2121.0)	298	LSLD	0500	20
					306		0600	

Order: Model (W) (α)

LSLD 0500 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	2	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	2	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	4	Bronze + G
⑮	Central Guide Plate A	1	CK45

No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate A	2	CK45
⑱	Base Plate B	1	CK45
⑲	Base Plate C	1	CK45
⑳	Base Plate D	1	CK45
㉑	Base Plate E	1	CK45
㉒	Stopper Plate	2	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	4	CK45
㉗	Stopper	4	Urethane
㉘	Gas Spring	2	FD 750 R63 V1

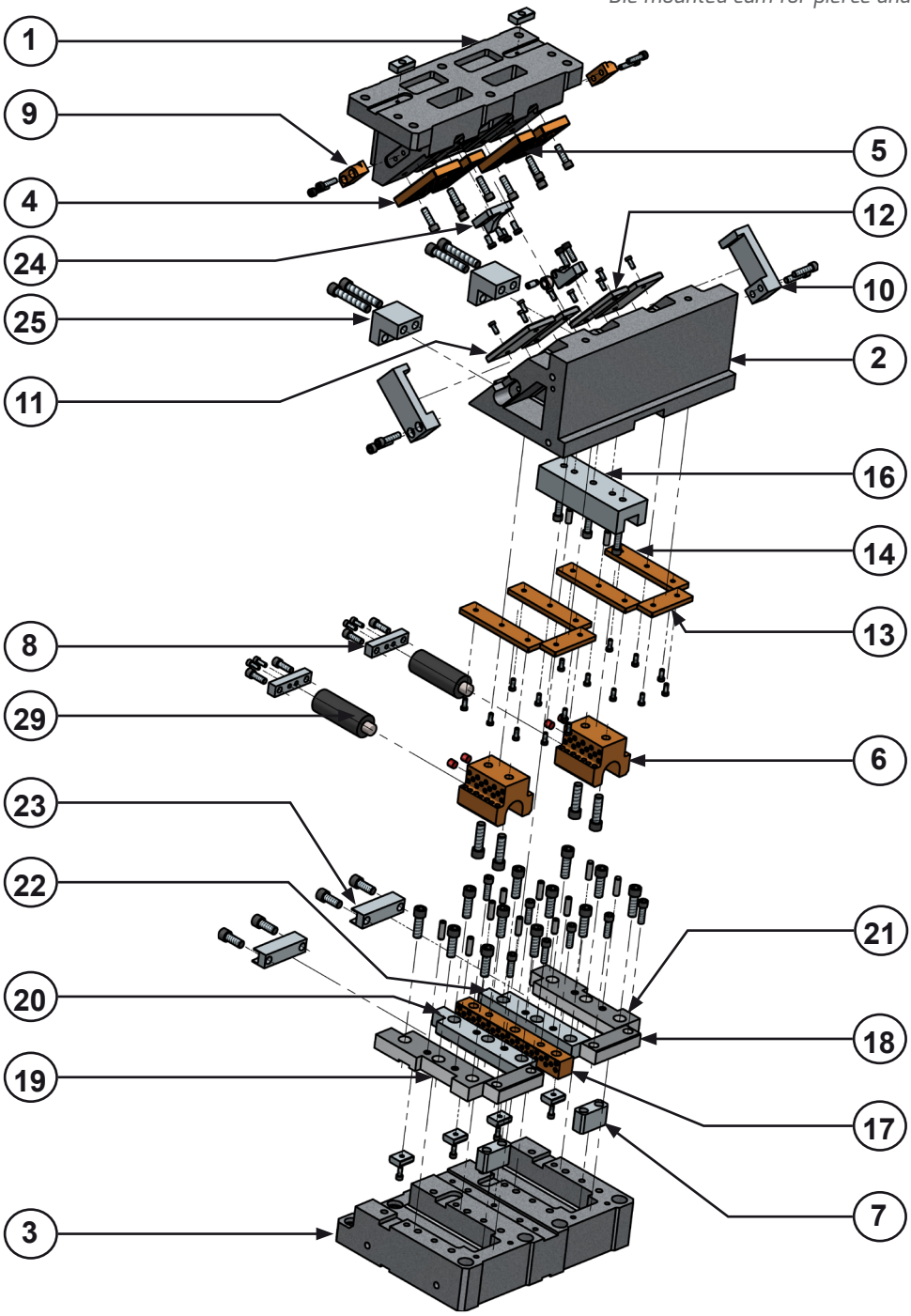
LSLD 0500-0600

Die mounted cam for pierce and flange

AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

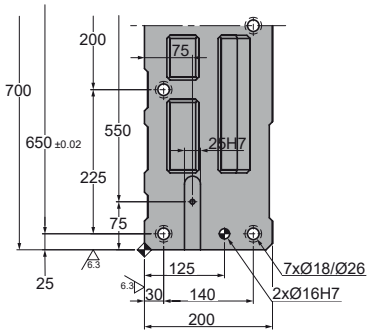


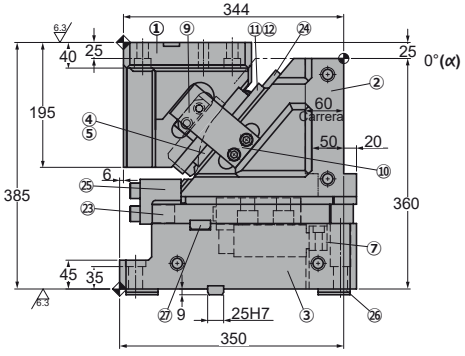
LSLD 0700-0800

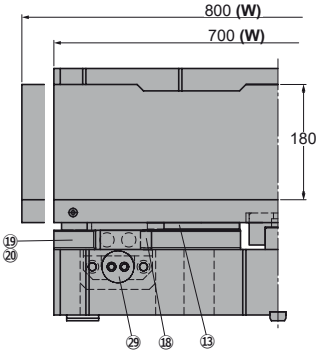
Die mounted cam for pierce and flange

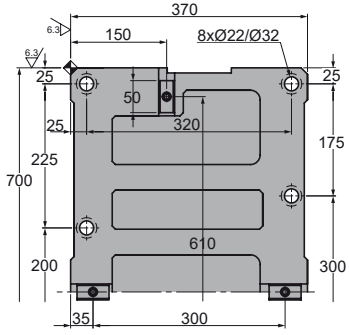
AZOL GAS

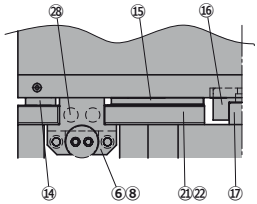
LSLD 0700 00
LSLD 0800 00



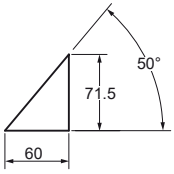




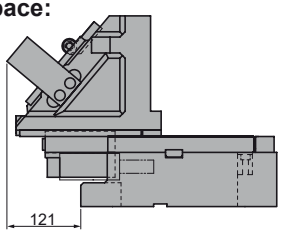




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	436	LSLD	0700	00
					446		0800	

Order: Model (W) (α)

LSLD 0700 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

㉙ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

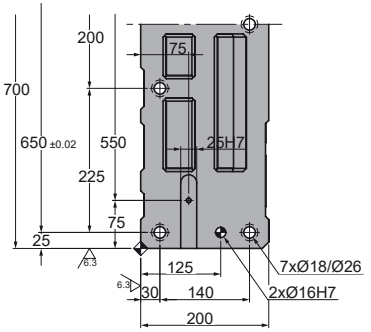
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 R63 V1

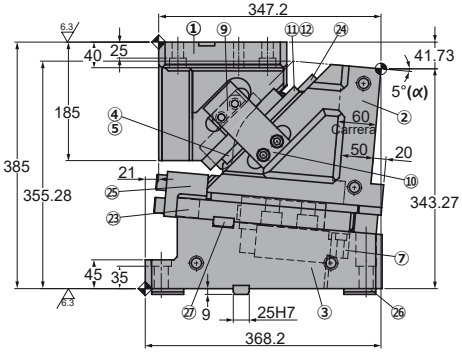
LSLD 0700-0800

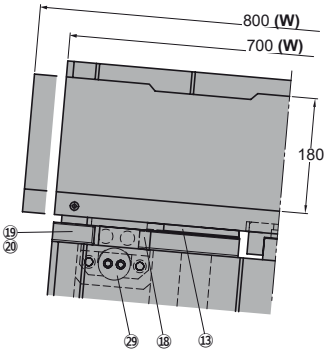
Die mounted cam for pierce and flange

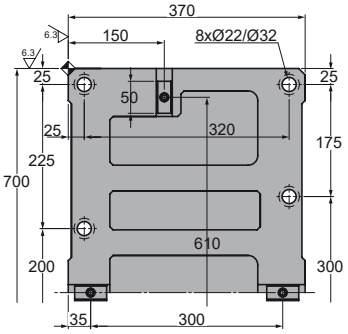
AZOL GAS

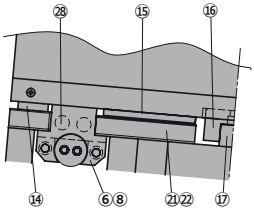
LSLD 0700 05
LSLD 0800 05



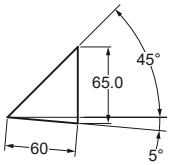




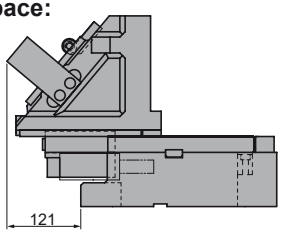




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	429	LSLD	0700	05
					438		0800	

Order: Model (W) (α)

LSLD 0700 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

㉙ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

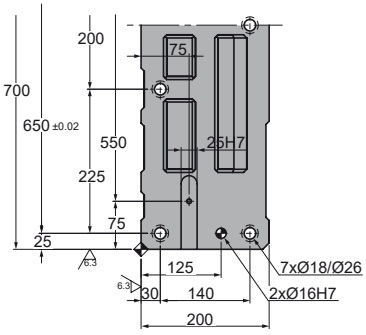
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 R63 V1

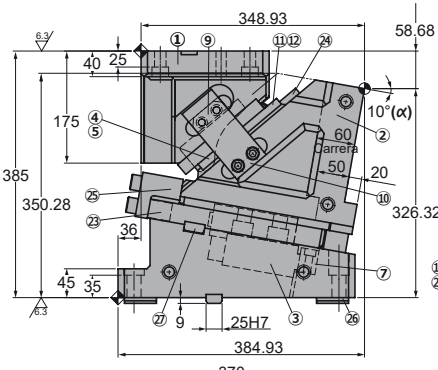
LSLD 0700-0800

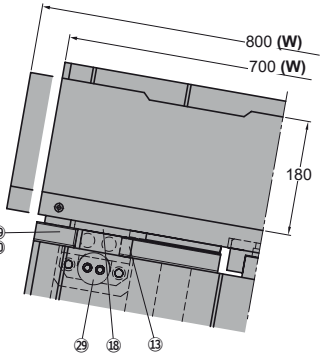
Die mounted cam for pierce and flange

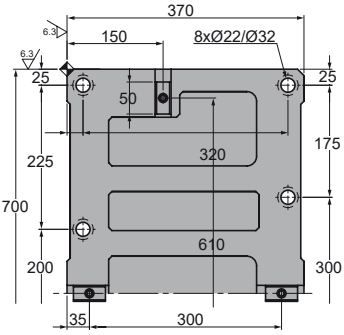
AZOL GAS

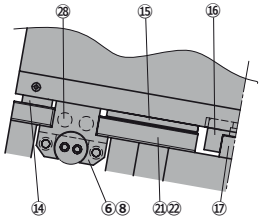
LSLD 0700 10
LSLD 0800 10



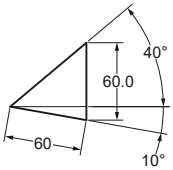




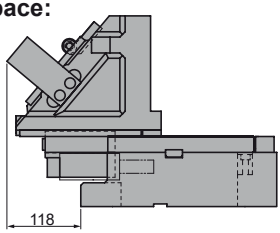




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	421	LSLD	0700	10
					430		0800	

Order: Model (W) (α)

LSLD 0700 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉙ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

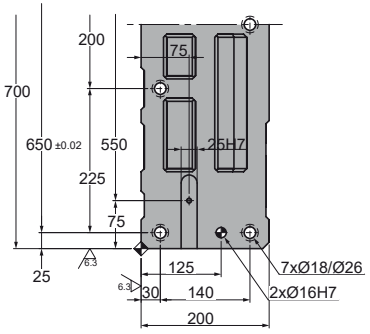
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 R63 V1

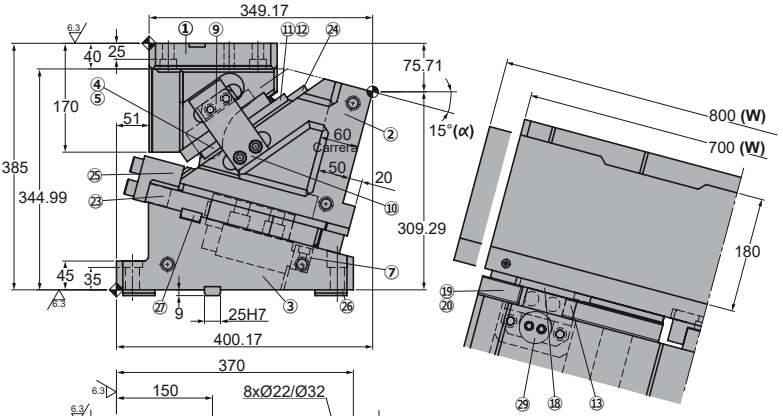
LSLD 0700-0800

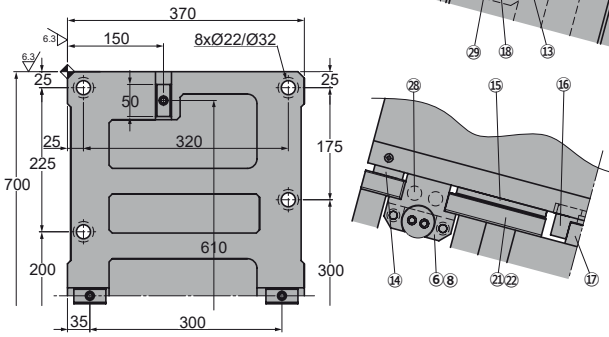
Die mounted cam for pierce and flange

AZOL GAS

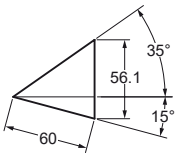
LSLD 0700 15
LSLD 0800 15



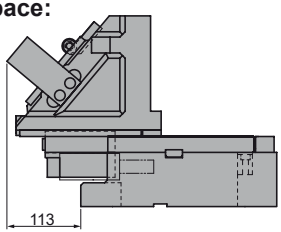




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	415	LSLD	0700	15
					424		0800	

Order: Model (W) (α)

LSLD 0700 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:

㉙ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

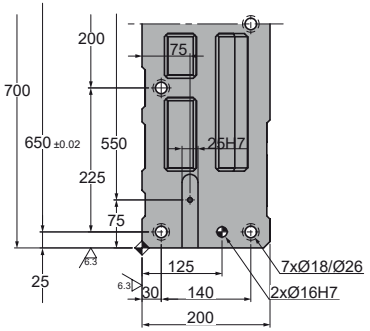
No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	CW 1000 075 V2 (113bar)

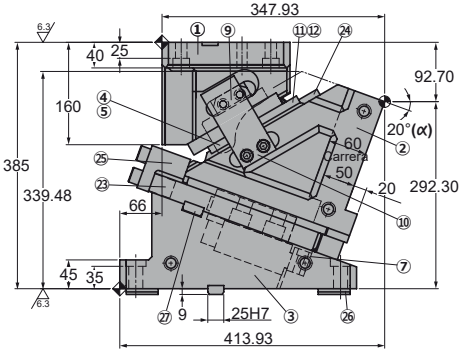
LSLD 0700-0800

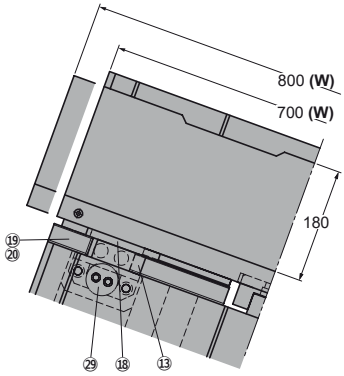
Die mounted cam for pierce and flange

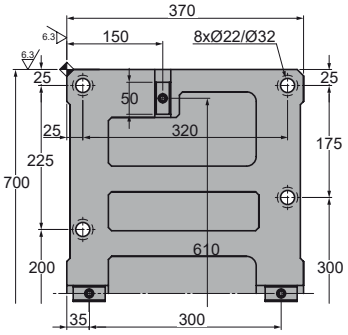
AZOL GAS

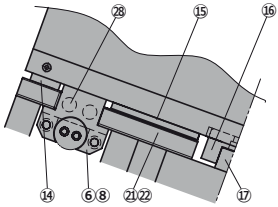
LSLD 0700 20
LSLD 0800 20



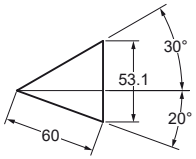




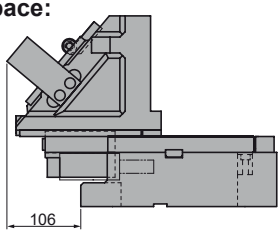




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0700-0800

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	470.4 (48.0)	1411.2 (144.0)	0.0 (0.0)	20800.0 (2121.0)	410	LSLD	0700	20
					418		0800	

Order: Model (W) (α)

LSLD 0700 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉙ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate A	2	Bronze + G
⑤	Cam Slider Plate B	4	Bronze + G
⑥	Spring Guide	2	Bronze + G
⑦	Shaft Guide Block	2	CK22
⑧	Spring Guide Plate	2	CK22
⑨	Positive Return A	2	Bronze + G
⑩	Positive Return B	2	CK45
⑪	Lower Plate A	2	CK45
⑫	Lower Plate B	4	CK45
⑬	Lower Cam Slider Plate A	2	Bronze + G
⑭	Lower Cam Slider Plate B	2	Bronze + G
⑮	Lower Cam Slider Plate C	2	Bronze + G

No.	Description	Qty.	Material
⑯	Central Guide Plate A	1	CK45
⑰	Central Guide Plate B	1	Bronze + G
⑱	Base Plate A	2	CK45
⑲	Base Plate B	1	CK45
⑳	Base Plate C	1	CK45
㉑	Base Plate D	1	CK45
㉒	Base Plate E	1	CK45
㉓	Stopper Plate	2	CK45
㉔	Bracket Block	1	
㉕	Locking plate	2	CK45
㉖	Key A	4	CK45
㉗	Key B	6	CK45
㉘	Stopper	4	Urethane
㉙	Gas Spring	2	FD 750 R63 V1

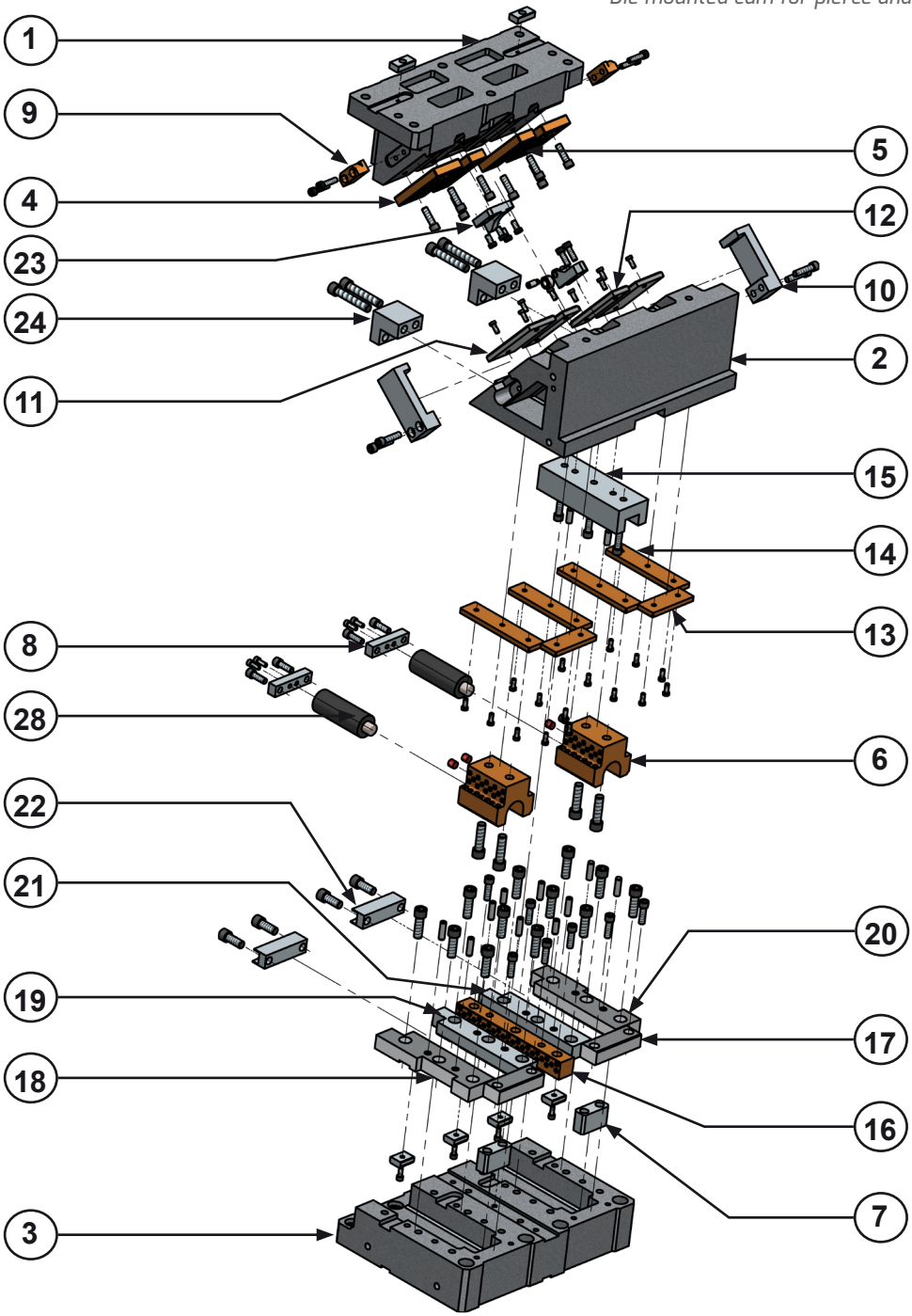
LSLD 0700-0800

Die mounted cam for pierce and flange

AZOL GAS

LSLD 0900-1000

Die mounted cam for pierce and flange

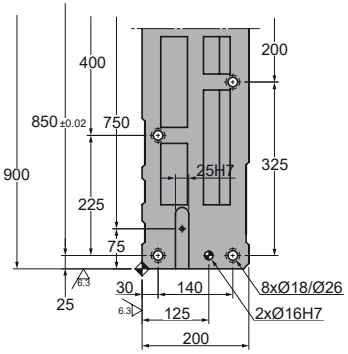


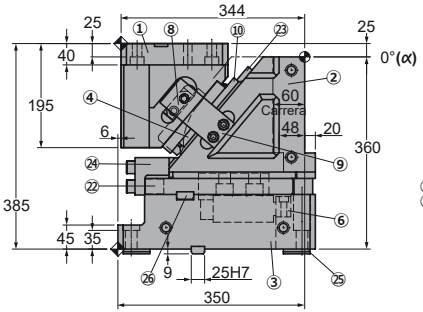
LSLD 0900-1000

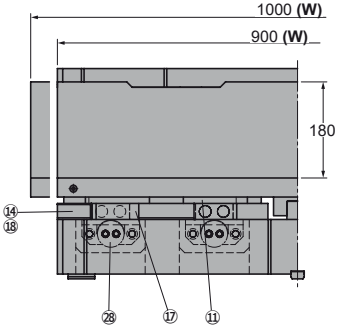
Die mounted cam for pierce and flange

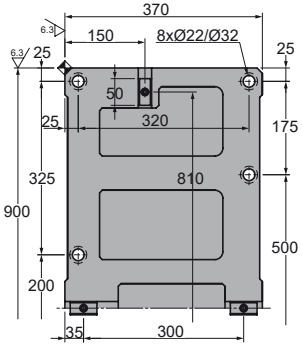
AZOL GAS

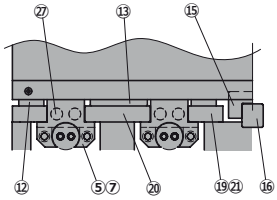
LSLD 0900 00
LSLD 1000 00



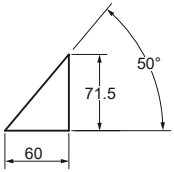




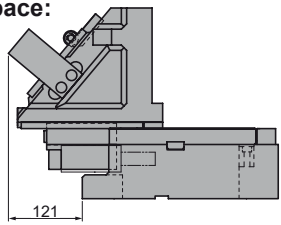




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	571	LSLD	0900	00
					579		1000	

Order: Model (W) (α)

LSLD 0900 00

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

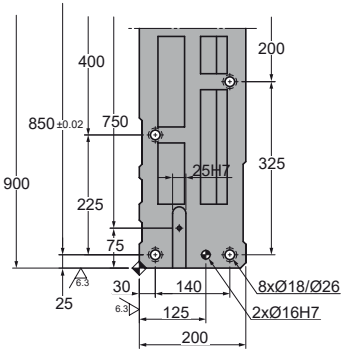
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	4	FD 750 R63 V1

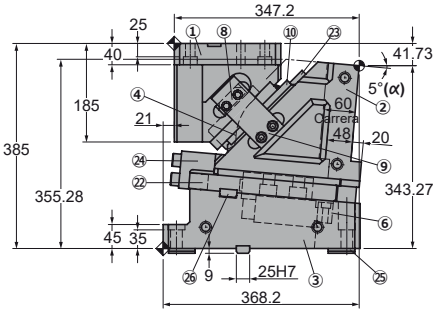
LSLD 0900-1000

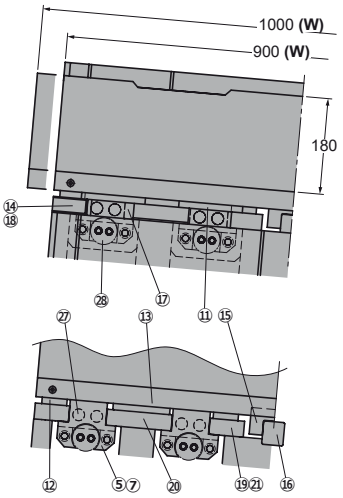
Die mounted cam for pierce and flange

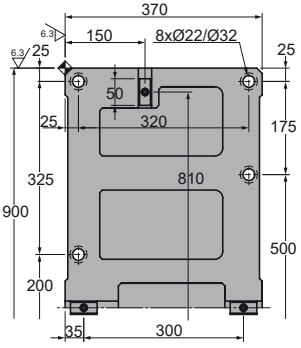
AZOL GAS

LSLD 0900 05
LSLD 1000 05

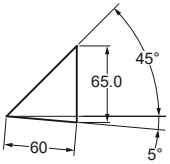




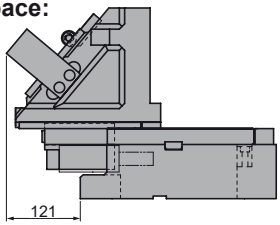




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	560	LSLD	0900	05
					569		1000	

Order: Model (W) (α)

LSLD 0900 05

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

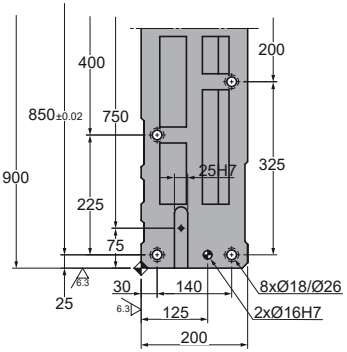
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	4	FD 750 R63 V1

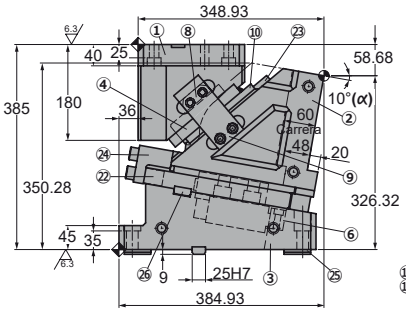
LSLD 0900-1000

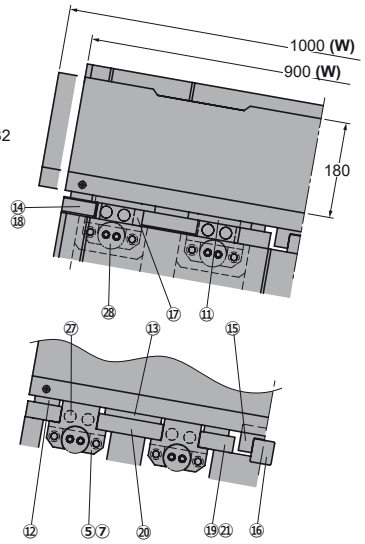
Die mounted cam for pierce and flange

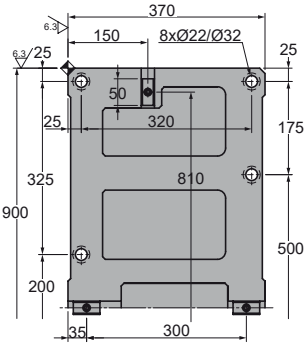
AZOL GAS

LSLD 0900 10
LSLD 1000 10

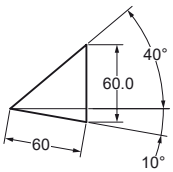




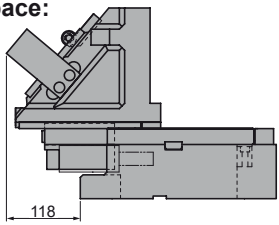




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons) (1 Million Strokes)	Working force kN - (tons) (300.000 Strokes)	Spring Force N - (kgf) Initial F_0	Spring Force N - (kgf) Final F_1	Weight (Kg)	Model	W (mm)	α (mm)
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	551	LSLD	0900	10
					560		1000	

Order: Model (W) (α)

LSLD 0900 10

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

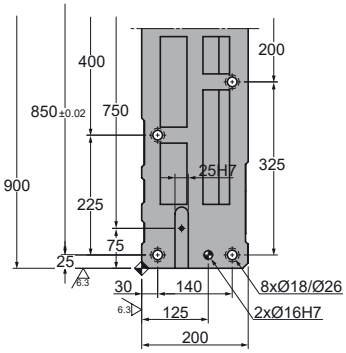
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	4	FD 750 R63 V1

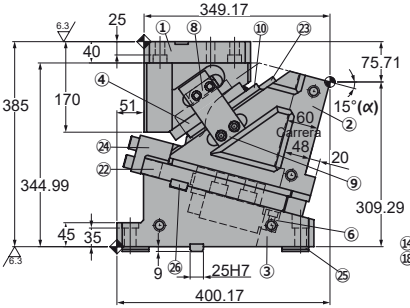
LSLD 0900-1000

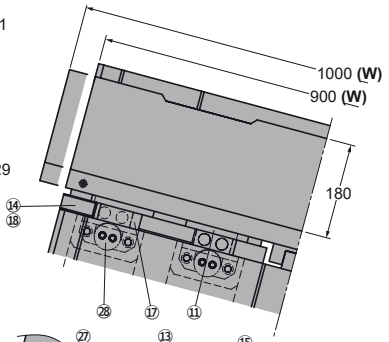
Die mounted cam for pierce and flange

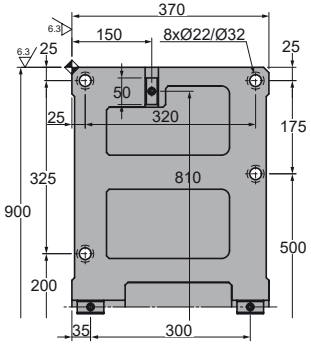
AZOL GAS

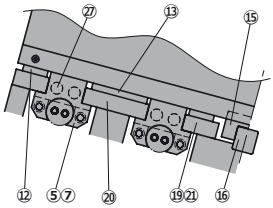
LSLD 0900 15
LSLD 1000 15



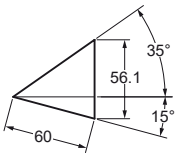




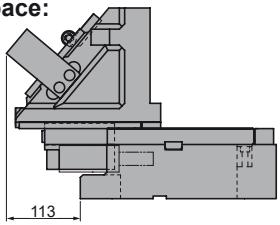




◦Cam diagram:



◦Disassembling space:



AZOL GAS

LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	543	LSLD	0900	15
					551		1000	

Order: Model (W) (α)

LSLD 0900 15

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

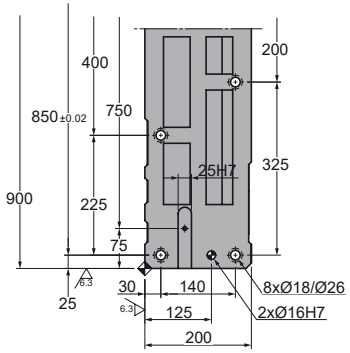
No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	4	FD 750 R63 V1

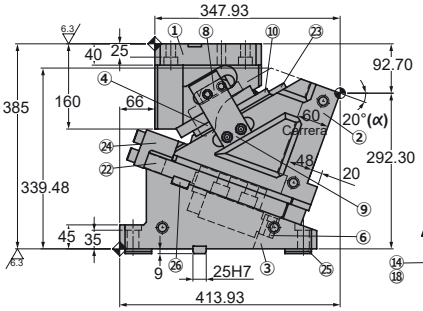
LSLD 0900-1000

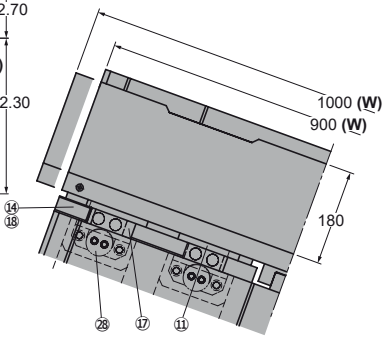
Die mounted cam for pierce and flange

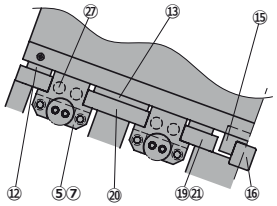
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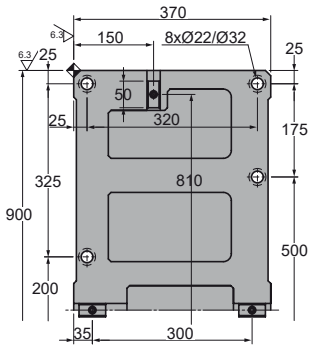
LSLD 0900 20
LSLD 1000 20



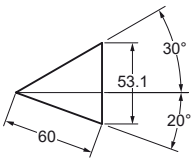




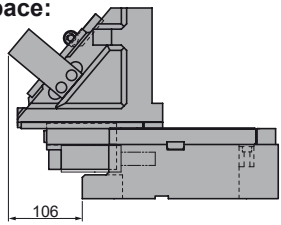




◦Cam diagram:



◦Disassembling space:



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LSLD 0900-1000

Die mounted cam for pierce and flange

Stroke (mm)	Working force kN - (tons)		Spring Force N - (kgf)		Weight (Kg)	Model	W (mm)	α (mm)
	(1 Million Strokes)	(300.000 Strokes)	Initial F_0	Final F_1				
60.0	627.2 (64.0)	1881.6 (192.0)	0.0 (0.0)	20800.0 (2121.0)	536	LSLD	0900	20
					544		1000	

Order: Model (W) (α)

LSLD 0900 20

Standard order example according to catalog sheet.
Add options applying options table contens.

OPTIONS

Order Options: Model (W) (α)-Option

SPARE PARTS:
㉘ Gas Spring

COMPONENTS

No.	Description	Qty.	Material
①	Cam Holder	1	GG25
②	Cam Slider	1	GG25
③	Cam Driver	1	GG25
④	Cam Slider Plate B	7	Bronze + G
⑤	Spring Guide	4	Bronze + G
⑥	Shaft Guide Block	4	CK22
⑦	Spring Guide Plate	4	CK22
⑧	Positive Return A	2	Bronze + G
⑨	Positive Return B	2	CK45
⑩	Lower Plate B	7	CK45
⑪	Lower Cam Slider Plate A	4	CK45
⑫	Lower Cam Slider Plate B	4	CK45
⑬	Lower Cam Slider Plate C	2	Bronze + G
⑭	Base Plate A	1	Bronze + G
⑮	Central Guide Plate A	1	CK45

No.	Description	Qty.	Material
⑯	Central Guide Plate B	1	Bronze + G
⑰	Base Plate B	4	CK45
⑱	Base Plate C	1	CK45
⑲	Base Plate D	1	CK45
⑳	Base Plate E	2	CK45
㉑	Base Plate F	1	CK45
㉒	Stopper Plate	4	CK45
㉓	Bracket Block	1	
㉔	Locking plate	2	CK45
㉕	Key A	4	CK45
㉖	Key B	6	CK45
㉗	Stopper	8	Urethane
㉘	Gas Spring	4	FD 750 R63 V1

LSLD 0900-1000

Die mounted cam for pierce and flange

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CAM UNITS

CAM UNITS

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CAM UNITS





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