



GAS SPRINGS

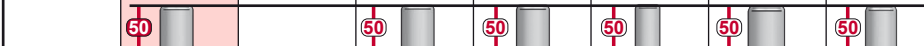


AZOL GAS



COMPACT HEIGHT KZ

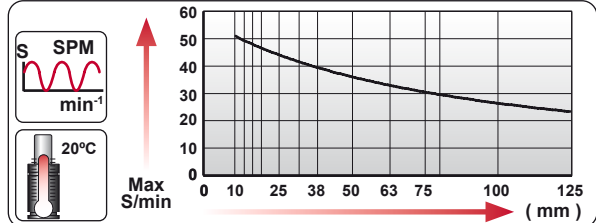
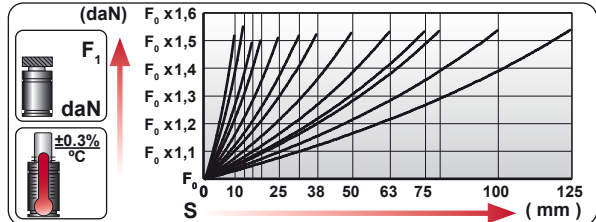
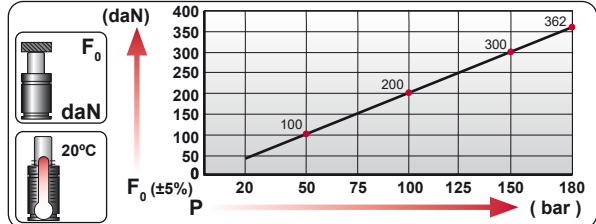
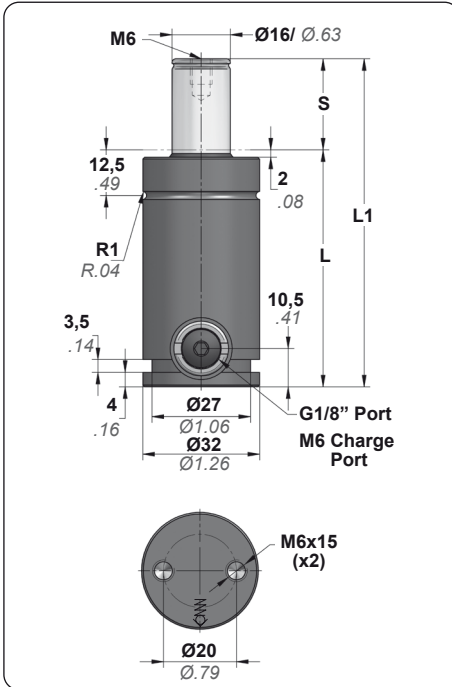
- Compact size gas springs
- Contact force (350-6600 daN)
- Meet same size as KT series
- Widely used in progressive die sets

 mm								
								
								
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800
SERIES	MINI 	COMPACT HEIGHT 	THREADED 	LOW PROFILE 	HEAVY DUTY 	ISO 	HEAVY LOAD 	POWER SHORT STROKE 

KZ 350

Compact Height

	MAZDA PG230-PG24D

AZOL
GAS**VDI**
SAFETY**STANDARS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb.
KZ 350 010	10	0.39	60	2.36	50	1.97	360 809 ±5% 180 bar 2610 psi at 20°C 68°F		526	1183	6	0.4	0.23	0.51
KZ 350 013	13	0.51	66	2.60	53	2.09			532	1197	8	0.5	0.24	0.53
KZ 350 016	16	0.63	72	2.83	56	2.20			537	1206	10	0.6	0.26	0.57
KZ 350 019	19	0.75	78	3.07	59	2.32			539	1213	11	0.7	0.27	0.60
KZ 350 025	25	0.98	90	3.54	65	2.56			543	1221	15	0.9	0.29	0.64
KZ 350 032	32	1.26	104	4.09	72	2.83			546	1227	19	1.2	0.31	0.68
KZ 350 038	38	1.50	116	4.57	78	3.07			548	1231	22	1.4	0.33	0.73
KZ 350 050	50	1.97	140	5.51	90	3.54			550	1236	29	1.8	0.37	0.82
KZ 350 063	63	2.48	166	6.54	103	4.06			551	1239	37	2.2	0.42	0.93
KZ 350 075	75	2.95	190	7.48	115	4.53			552	1241	43	2.6	0.46	1.01
KZ 350 080	80	3.15	200	7.87	120	4.72			552	1241	46	2.8	0.47	1.04
KZ 350 100	100	3.94	240	9.45	140	5.51			553	1243	58	3.5	0.54	1.19
KZ 350 125	125	4.92	290	11.42	165	6.50			554	1245	72	4.4	0.63	1.39

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 180 bar 290 psi 2610 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 80 °C 32 °F 176 °F		Connection	KZ-H 350 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C		Cardridge Kit	1625A135B

 s mm	 50 Ø32 L1=142	 50 Ø32 L1=130 L1=140	 50 Ø32 L1=137 L1=139	 50 Ø32 L1=150 L1=150 L1=160	 50 Ø32 L1=150	 50 Ø32 L1=155	 50 Ø32 L1=195
 Ø mm							
 L1 mm							
MODEL	AFT	CW 350 KZ 350	CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-032 A34-032		C05-032	D02-032

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

HOW TO ORDER

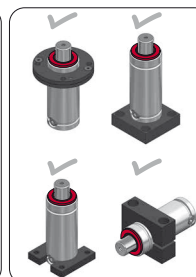
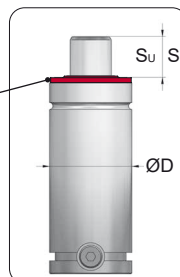
KZ 350 050 16 32

KZ 350 050 + PW 016 032

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover

HOW TO ORDER

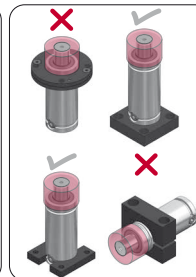
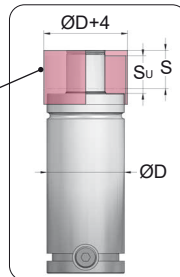
KZ 350 050 16 32 50

KZ 350 050 + PC 016 032 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



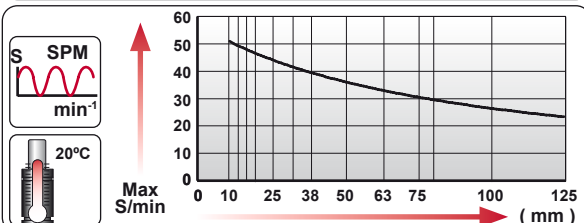
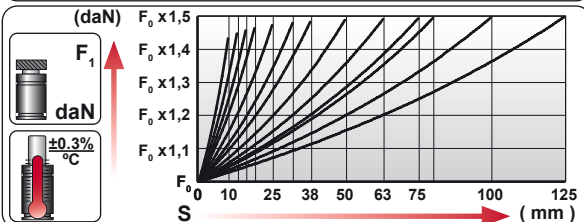
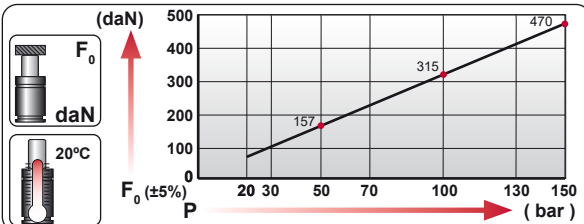
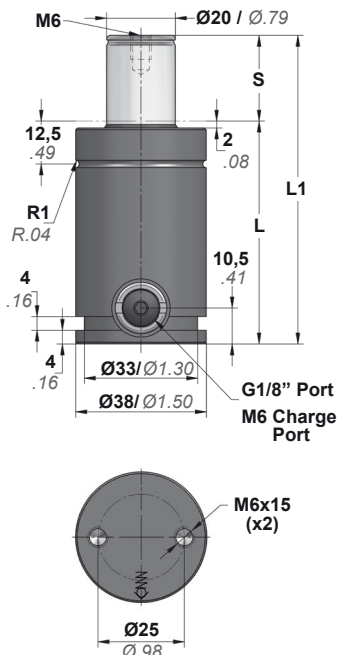
Protective Cover



KZ 500

Compact Height

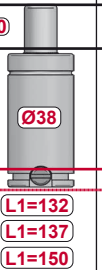
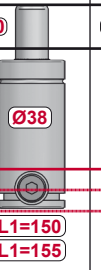
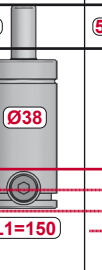
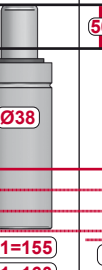
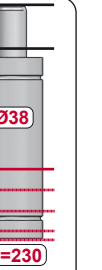
	MAZDA PG230-PG24D

**AZOL
GAS****VDI
SAFETY****STANDARS**

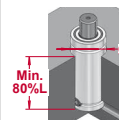
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KZ 500 010	10	0.39	60	2.36	50	1.97	470	1057	672	1511	10	0.6	0.33	0.73
KZ 500 013	13	0.51	66	2.60	53	2.09			679	1527	13	0.8	0.34	0.75
KZ 500 016	16	0.63	72	2.83	56	2.20			684	1538	16	1.0	0.35	0.77
KZ 500 019	19	0.75	78	3.07	59	2.32			687	1545	19	1.2	0.36	0.79
KZ 500 025	25	0.98	90	3.54	65	2.56	±5% 150 bar 2175 psi at 20°C 68°F	692	1555	25	1.5	0.39	0.86	
KZ 500 032	32	1.26	104	4.09	72	2.83		695	1562	31	1.9	0.42	0.93	
KZ 500 038	38	1.50	116	4.57	78	3.07		697	1566	37	2.2	0.44	0.97	
KZ 500 050	50	1.97	140	5.51	90	3.54		699	1572	48	2.9	0.49	1.08	
KZ 500 063	63	2.48	166	6.54	103	4.06		701	1575	60	3.7	0.54	1.19	
KZ 500 075	75	2.95	190	7.48	115	4.53		702	1578	71	4.4	0.59	1.30	
KZ 500 080	80	3.15	200	7.87	120	4.72		702	1578	76	4.6	0.61	1.34	
KZ 500 100	100	3.94	240	9.45	140	5.51		703	1581	95	5.8	0.69	1.52	
KZ 500 125	125	4.92	290	11.42	165	6.50	704	1582	118	7.2	0.79	1.74		

TECHNICAL DATA

 Fluid N ₂	 Smax 100% Smax	 Vmax 1,6 m/s	 Pmin Pmax 20°C / 68°F Tmin Tmax	 Force variation by temperature ±0,3% / °C	 20 bar 290 psi	 150 bar 2175 psi	 Charging Adapter	 Connection	 Cardridge Kit	06 CG 2-Q
					 0 °C 32 °F	 80 °C 176 °F				KZ-H 500 XXX

 S mm	 2 mm	 L1 mm	 $\varnothing 38$ $L1=130$ $L1=140$	 $\varnothing 38$ $L1=150$	 $\varnothing 38$ $L1=132$ $L1=137$ $L1=150$	 $\varnothing 38$ $L1=150$ $L1=155$	 $\varnothing 38$ $L1=150$	 $\varnothing 38$ $L1=155$ $L1=160$	 $\varnothing 38$ $L1=230$
MODEL			CW 500 KZ 500	AS 300	CT 500 CK 500 FD 300	CD 500 CM 500	AG 250	CPH 850 CP 1000	CS 1000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-038  580 A34-038  582		C05-038  596	D02-038  600

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper





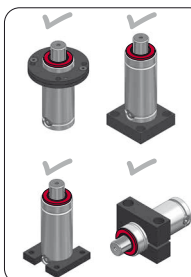
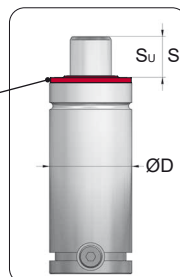
HOW TO ORDER

KZ 500 050 **20** **38**
KZ 500 050 + PW 020 038

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover





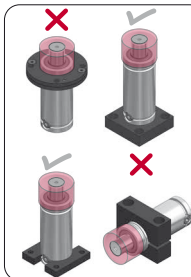
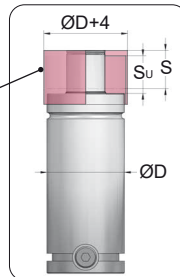

HOW TO ORDER

KZ 500 050 **20** **38** **50**
KZ 500 050 + PC 020 038 050

The body diameter ($\varnothing D$) increases to the size of ($\varnothing PC$). PC can be used with mounts B and C, but not with mounts type A and D.



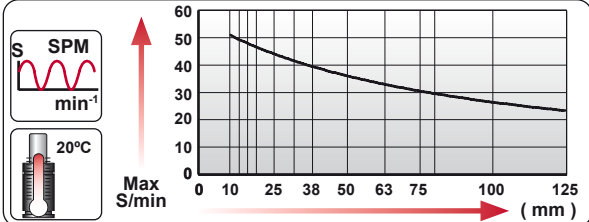
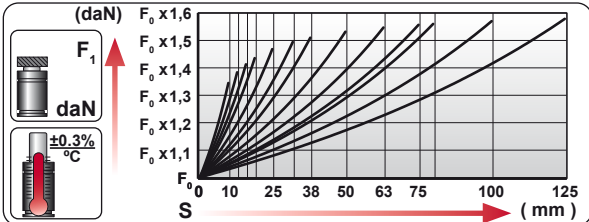
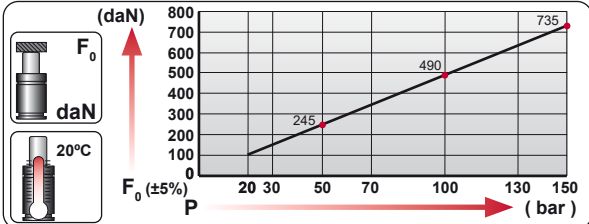
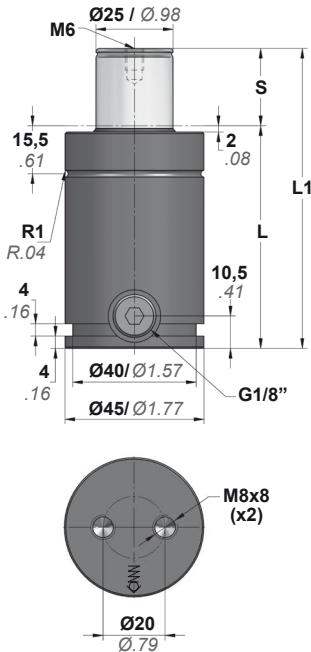
Protective Cover



KZ 750 V1

Compact Height

	MAZDA PG230-PG24D

**AZOL
GAS****VDI
SAFETY****STANDARDS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KZ 750 010 V1	10	0.39	67	2.64	57	2.24	735	1652	988	2222	19	1.2	0.53	1.17
KZ 750 013 V1	13	0.51	73	2.87	60	2.36			1017	2286	23	1.4	0.54	1.19
KZ 750 016 V1	16	0.63	79	3.11	63	2.48			1038	2334	27	1.6	0.56	1.23
KZ 750 019 V1	19	0.75	85	3.35	66	2.60			1055	2372	31	1.9	0.58	1.28
KZ 750 025 V1	25	0.98	97	3.82	72	2.83			1079	2426	38	2.3	0.62	1.37
KZ 750 032 V1	32	1.26	111	4.37	79	3.11	150 bar 2175 psi at 20°C 68°F		1098	2469	47	2.9	0.66	1.46
KZ 750 038 V1	38	1.50	123	4.84	85	3.35			1110	2495	55	3.4	0.70	1.54
KZ 750 050 V1	50	1.97	147	5.79	97	3.82			1126	2531	71	4.3	0.77	1.70
KZ 750 063 V1	63	2.48	173	6.81	110	4.33			1137	2557	87	5.3	0.86	1.90
KZ 750 075 V1	75	2.95	197	7.76	122	4.80			1145	2573	103	6.3	0.93	2.05
KZ 750 080 V1	80	3.15	207	8.15	127	5.00			1147	2579	109	6.7	0.96	2.12
KZ 750 100 V1	100	3.94	247	9.72	147	5.79			1155	2596	135	8.2	1.09	2.40
KZ 750 125 V1	125	4.92	297	11.69	172	6.77	1161	2610	167	10.2	1.24	2.73		

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 750 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cartridge Kit	2538E150B

 S mm  2 mm  L1 mm		 Ø45 L1=132 L1=142 L1=147		 Ø45 L1=138 L1=150 L1=150	 Ø45 L1=160 L1=185	 Ø45 L1=185	 Ø45 L1=160	
MODEL		CW 750 CWC 750 KZ 750		CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250	

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
 Min. 80%L Ø+0,5					
HOW TO ORDER		A14-045  A34-045 	B21-045  B43-045  B76-045 	C05-045  C20-045 	D02-045  D67-045 

PROTECTION OPTIONS

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PW Protective Wiper





HOW TO ORDER

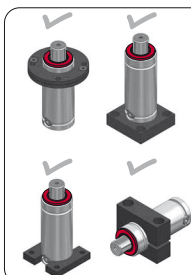
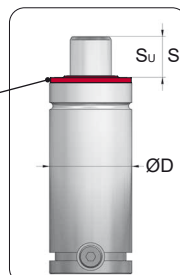
KZ 750 050 V1 **25** **45**

KZ 750 050 V1 + PW 025 045

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover






HOW TO ORDER

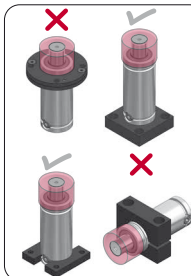
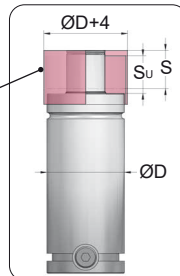
KZ 750 050 V1 **25** **45** **50**

KZ 750 050 V1 + PC 025 045 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



Protective Cover

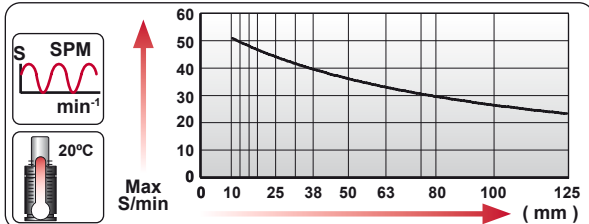
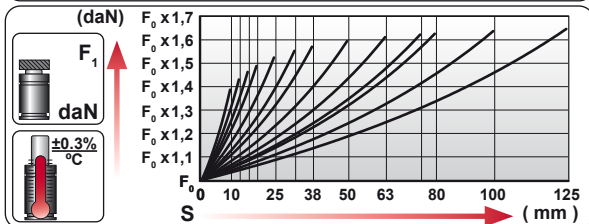
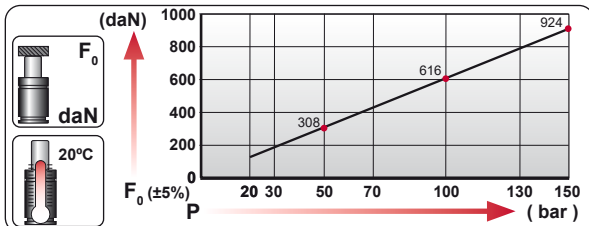
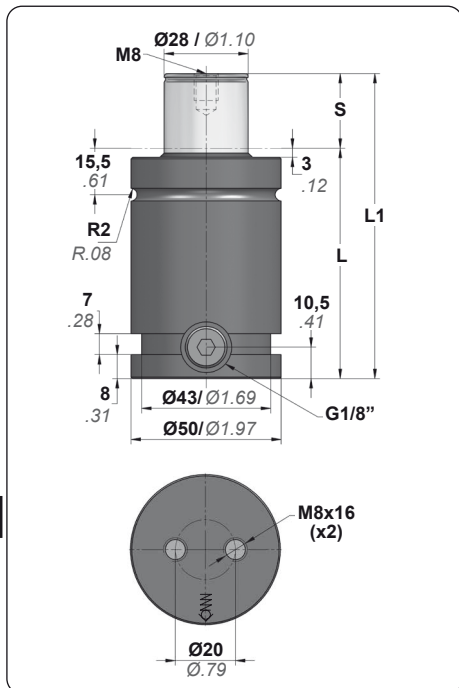


KZ 1000 V1

Compact Height

		RENAULT EM24.54.700
	MAZDA PG230-PG24D	

AZOL
GAS



VDI
SAFETY



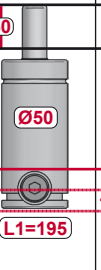
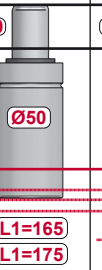
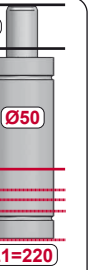
STANDARS



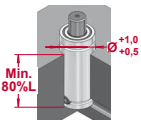
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KZ 1000 010 V1	10	0.39	72	2.83	62	2.44	920 ±5% 150 bar 2175 psi at 20°C 68°F	2068	1300	2922	21	1.3	0.71	1.57
KZ 1000 013 V1	13	0.51	78	3.07	65	2.56			1338	3008	26	1.6	0.74	1.63
KZ 1000 016 V1	16	0.63	84	3.31	68	2.68			1367	3072	30	1.8	0.76	1.68
KZ 1000 019 V1	19	0.75	90	3.54	71	2.80			1388	3121	35	2.1	0.79	1.74
KZ 1000 025 V1	25	0.98	102	4.02	77	3.03			1420	3191	44	2.7	0.84	1.85
KZ 1000 032 V1	32	1.26	116	4.57	84	3.31			1444	3245	54	3.3	0.90	1.98
KZ 1000 038 V1	38	1.50	128	5.04	90	3.54			1458	3278	63	3.9	0.95	2.09
KZ 1000 050 V1	50	1.97	152	5.98	102	4.02			1478	3323	82	5.0	1.05	2.31
KZ 1000 063 V1	63	2.48	178	7.01	115	4.53			1492	3355	101	6.2	1.16	2.56
KZ 1000 075 V1	75	2.95	202	7.95	127	5.00			1501	3375	119	7.3	1.26	2.78
KZ 1000 080 V1	80	3.15	212	8.35	132	5.20			1504	3381	127	7.7	1.30	2.87
KZ 1000 100 V1	100	3.94	252	9.92	152	5.98			1513	3402	157	9.6	1.47	3.24
KZ 1000 125 V1	125	4.92	302	11.89	177	6.97			1521	3419	195	11.9	1.68	3.70

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 1000 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2840K169A

								
mm	mm	mm	$\varnothing 50$ L1=138 L1=148 L1=152	$\varnothing 50$ L1=138 L1=150 L1=150	$\varnothing 50$ L1=170 L1=185 L1=195	$\varnothing 50$ L1=195	$\varnothing 50$ L1=165 L1=175	$\varnothing 50$ L1=220
MODEL			CW 1000 CWC 1000 KZ/KT 1000	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  A34-050 	B76-050  B43-050 	C05-050  C20-050 	D02-050  D67-050 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

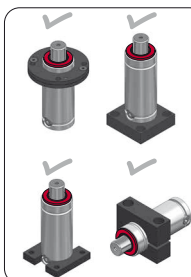
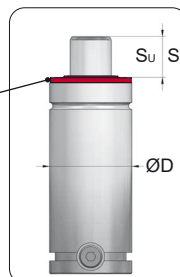
KZ 1000 050 V1 28 50

KZ 1000 050 V1 + PW 028 050

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

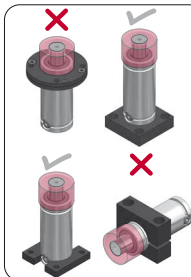
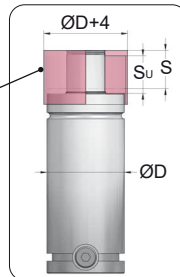
KZ 1000 050 V1 28 50 50

KZ 1000 050 V1 + PC 028 050 050

The body diameter ($\varnothing D$) increases to the size of ($\varnothing PC$).
PC can be used with mounts B and C, but not with mounts type A and D.



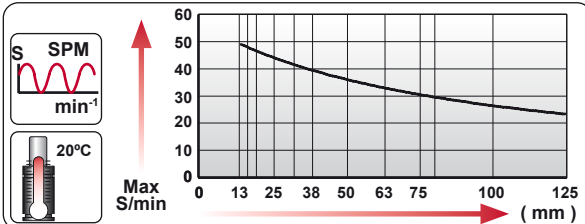
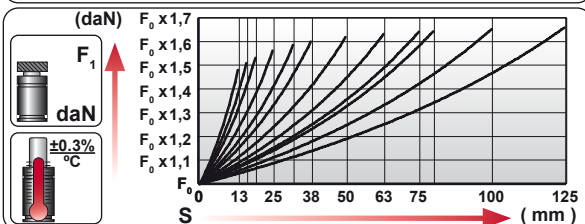
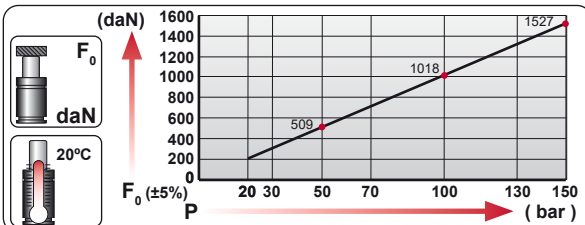
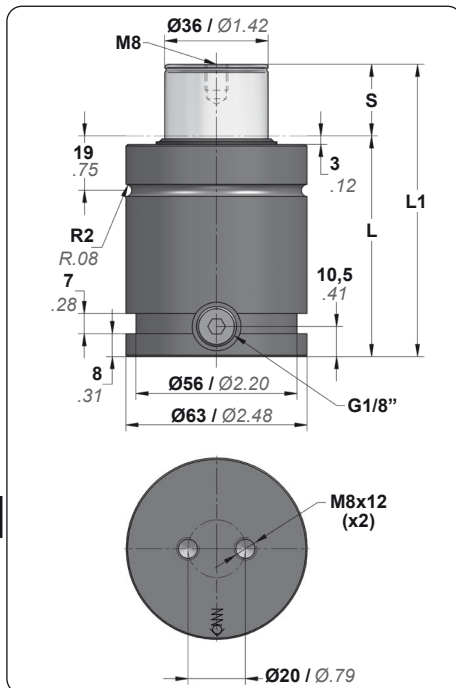
Protective Cover



KZ 1500

Compact Height

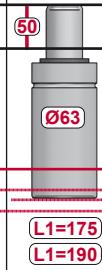
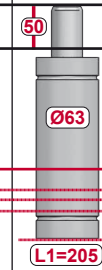
	MAZDA PG230-PG24D

AZOL
GAS**VDI**
SAFETY**STANDARDS**

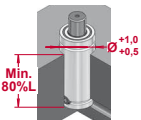
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KZ 1500 013	13	0.51	78	3.07	65	2.56	1530 ±5% 150 bar 2175 psi at 20°C 68°F	3440	2315	5205	39	2.4	1.17	2.58
KZ 1500 016	16	0.63	84	3.31	68	2.68			2355	5293	47	2.8	1.21	2.67
KZ 1500 019	19	0.75	90	3.54	71	2.80			2384	5359	54	3.3	1.25	2.76
KZ 1500 025	25	0.98	102	4.02	77	3.03			2425	5451	69	4.2	1.32	2.91
KZ 1500 032	32	1.26	116	4.57	84	3.31			2455	5520	86	5.3	1.41	3.11
KZ 1500 038	38	1.50	128	5.04	90	3.54			2474	5561	101	6.2	1.49	3.28
KZ 1500 050	50	1.97	152	5.98	102	4.02			2498	5616	131	8.0	1.65	3.64
KZ 1500 063	63	2.48	178	7.01	115	4.53			2515	5653	164	10.0	1.81	3.99
KZ 1500 075	75	2.95	202	7.95	127	5.00			2525	5677	194	11.8	1.97	4.34
KZ 1500 080	80	3.15	212	8.35	132	5.20			2529	5684	206	12.6	2.03	4.48
KZ 1500 100	100	3.94	252	9.92	152	5.98			2539	5708	256	15.6	2.29	5.05
KZ 1500 125	125	4.92	302	11.89	177	6.97			2548	5728	318	19.4	2.61	5.75

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 1500 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3651L210A

							
MODEL			CW 1500 KZ/KT 1500 CWC 1500	CT 1500 CK 1500	CM 1500 CD 1500	CPH 2800 CP 3000	CS 3000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  A69-063 	B21-063  B76-063 	C05-063  C35-063 	D02-063  D67-063 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

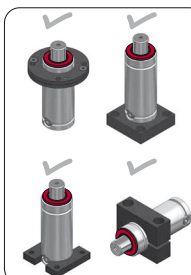
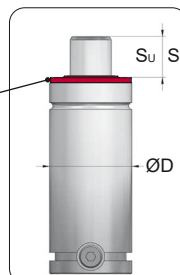
KZ 1500 050 36 63

KZ 1500 050 + PW 036 063

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

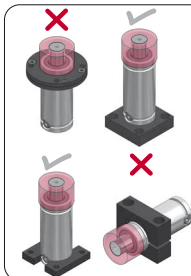
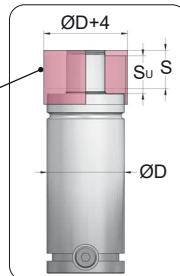
KZ 1500 050 36 63 50

KZ 1500 050 + PC 036 063 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



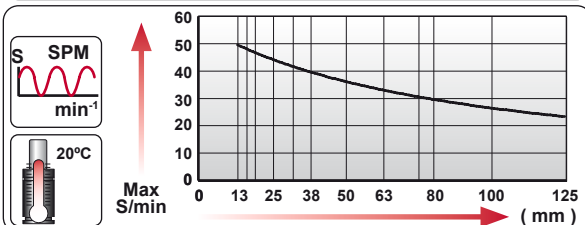
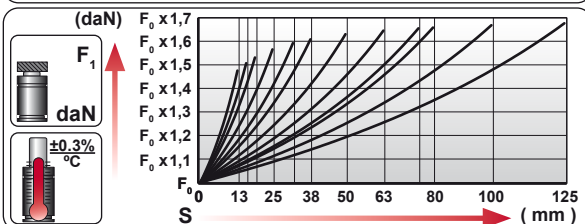
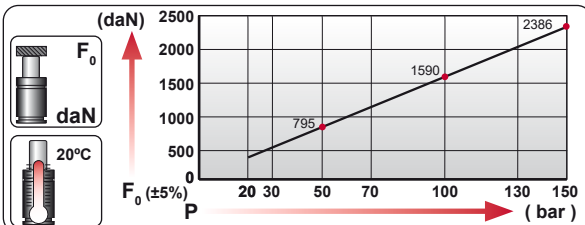
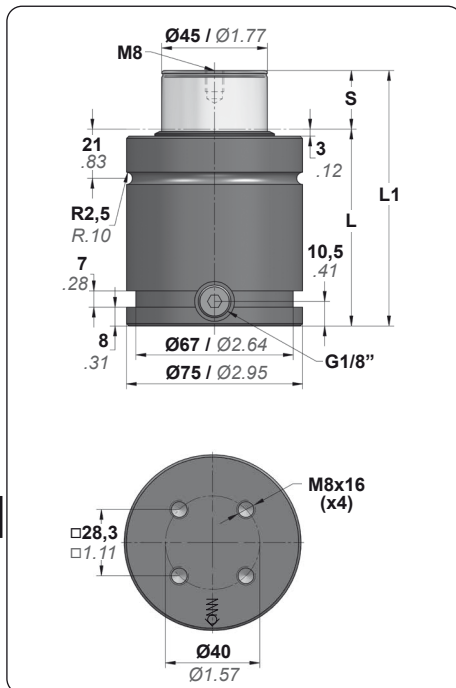
Protective Cover



KZ 2400

Compact Height

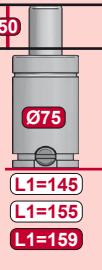
		RENAULT EM24.54.700
	MAZDA PG230-PG24D	

**AZOL
GAS****VDI
SAFETY****STANDARS**

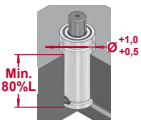
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KZ 2400 013	13	0.51	85	3.35	72	2.83	2385	5362	3592	8075	62	3.8	1.86	4.10
KZ 2400 016	16	0.63	91	3.58	75	2.95					73	4.5	1.91	4.21
KZ 2400 019	19	0.75	97	3.82	78	3.07					84	5.2	1.96	4.32
KZ 2400 025	25	0.98	109	4.29	84	3.31					107	6.6	2.06	4.54
KZ 2400 032	32	1.26	123	4.84	91	3.58					134	8.2	2.18	4.81
KZ 2400 038	38	1.50	135	5.31	97	3.82					157	9.6	2.28	5.03
KZ 2400 050	50	1.97	159	6.26	109	4.29					203	12.4	2.49	5.49
KZ 2400 063	63	2.48	185	7.28	122	4.80					253	15.4	2.71	5.97
KZ 2400 075	75	2.95	209	8.23	134	5.28					299	18.2	2.92	6.44
KZ 2400 080	80	3.15	219	8.62	139	5.47					318	19.4	3.01	6.64
KZ 2400 100	100	3.94	259	10.20	159	6.26	150 bar 2175 psi at 20°C 68°F		3971	8928	394	24.1	3.35	7.39
KZ 2400 125	125	4.92	309	12.17	184	7.24					490	29.9	3.78	8.33

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 2400 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	4563L245A

								
mm	mm	mm	$\varnothing 75$ L1=145 L1=155 L1=159	$\varnothing 75$ L1=154 L1=160 L1=160	$\varnothing 75$ L1=185 L1=195 L1=210	$\varnothing 75$ L1=210	$\varnothing 75$ L1=175 L1=200	$\varnothing 75$ L1=240
MODEL			CW 2400 CWC 2400 KZ/KT 2400	CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-075  A34-075 	B21-075  B43-075  B76-075 	C05-075  C20-075 	D02-075  D67-075 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

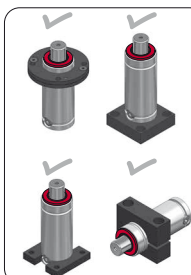
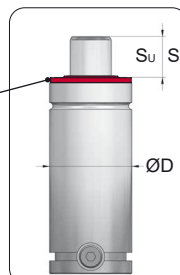
KZ 2400 050 45 75

KZ 2400 050 + PW 045 075

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

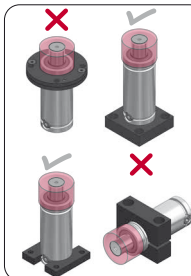
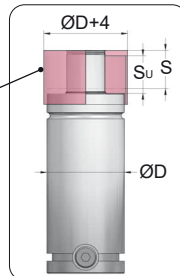
KZ 2400 050 45 75 50

KZ 2400 050 + PC 045 075 050

The body diameter ($\varnothing D$) increases to the size of ($\varnothing PC$). PC can be used with mounts B and C, but not with mounts type A and D.



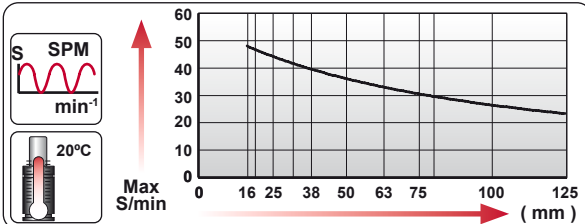
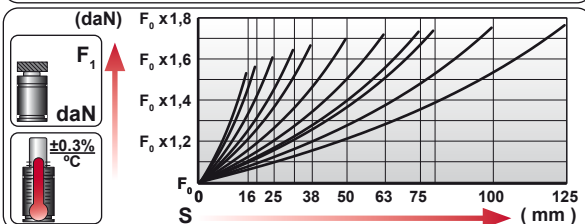
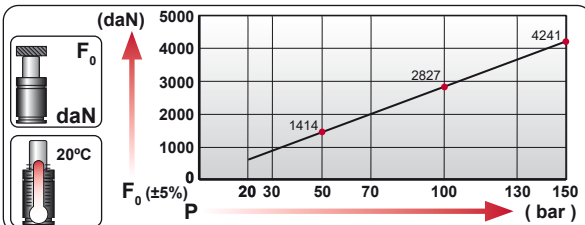
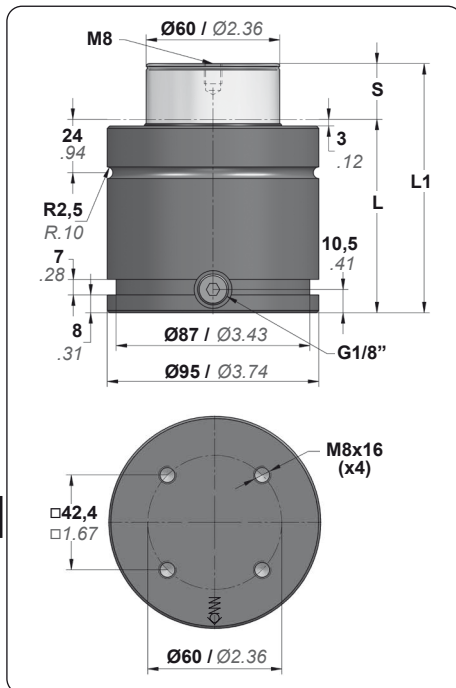
Protective Cover



KZ 4200

Compact Height

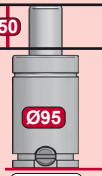
		RENAULT EM24.54.700
	MAZDA PG230-PG24D	

**AZOL
GAS****VDI
SAFETY****STANDARS**

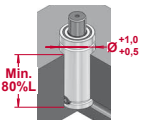
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KZ 4200 016	16	0.63	94	3.70	78	3.07	4240 9532 ±5% 150 bar 2175 psi at 20°C 68°F		6625	14894	126	7.7	3.25	7.16
KZ 4200 019	19	0.75	100	3.94	81	3.19			6749	15172	145	8.8	3.34	7.36
KZ 4200 025	25	0.98	112	4.41	87	3.43			6927	15573	182	11.1	3.51	7.74
KZ 4200 032	32	1.26	126	4.96	94	3.70			7067	15886	226	13.8	3.71	8.18
KZ 4200 038	38	1.50	138	5.43	100	3.94			7152	16078	264	16.1	3.88	8.55
KZ 4200 050	50	1.97	162	6.38	112	4.41			7269	16340	339	20.7	4.22	9.30
KZ 4200 063	63	2.48	188	7.40	125	4.92			7350	16524	421	25.7	4.59	10.12
KZ 4200 075	75	2.95	212	8.35	137	5.39			7402	16641	496	30.3	4.93	10.87
KZ 4200 080	80	3.15	222	8.74	142	5.59			7420	16681	528	32.2	5.08	11.20
KZ 4200 100	100	3.94	262	10.31	162	6.38			7474	16802	653	39.9	5.65	12.46
KZ 4200 125	125	4.92	312	12.28	187	7.36			7518	16902	811	49.5	6.36	14.02

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 4200 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	6080U275A

								
mm	mm	mm	50 Ø95 L1=158 L1=162 L1=162	50 Ø95 L1=170 L1=170	50 Ø95 L1=195 L1=205 L1=220	50 Ø95 L1=220	50 Ø95 L1=215	50 Ø95 L1=255
MODEL			CW 4200 KZ 4200 KT 4200	CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-095  A34-095 	B21-095  B43-095  B76-095 	C05-095  C20-095 	D02-095  D67-095 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

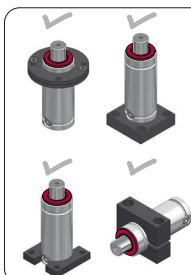
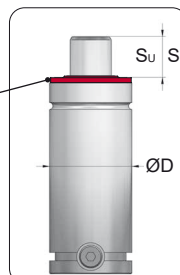
KZ 4200 050 60 95

KZ 4200 050 + PW 060 095

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

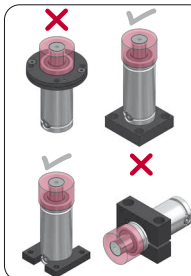
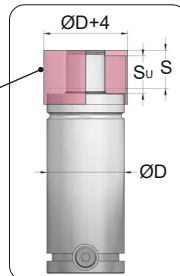
KZ 4200 050 60 95 50

KZ 4200 050 + PC 060 095 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



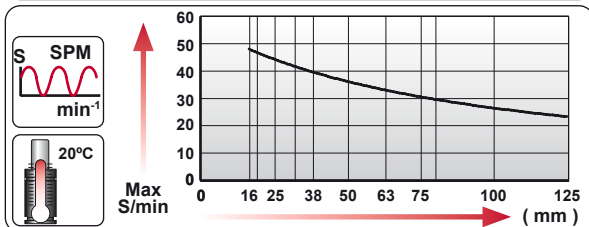
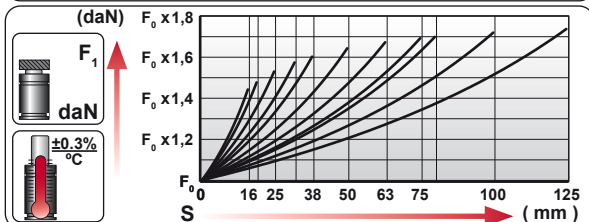
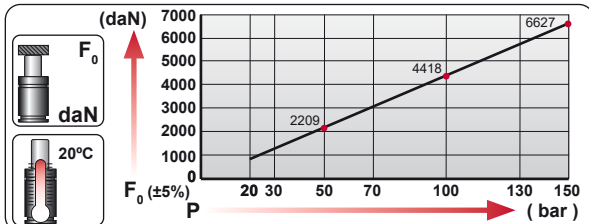
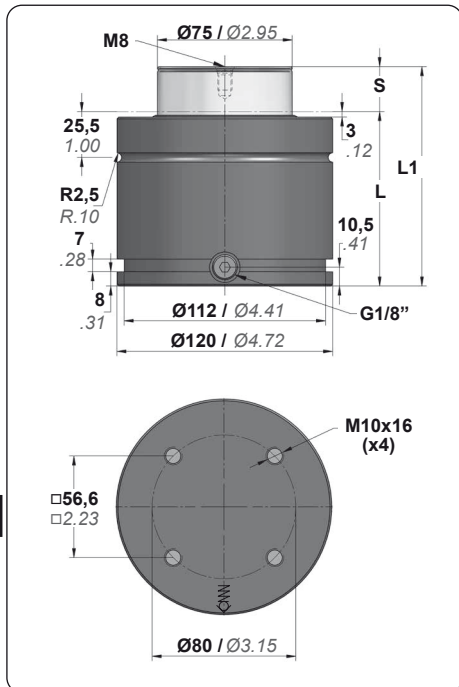
Protective Cover



KZ 6600

Compact Height

	MAZDA PG230-PG24D

AZOL
GAS

VDI
SAFETY

STANDARS

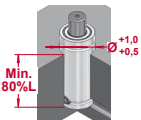

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KZ 6600 016	16	0.63	104	4.09	88	3.46	6630	14905	9730	21873	222	13.5	5.94	13.10
KZ 6600 019	19	0.75	110	4.33	91	3.58			9955	22379	251	15.3	6.08	13.40
KZ 6600 025	25	0.98	122	4.80	97	3.82			10295	23145	310	18.9	6.35	14.00
KZ 6600 032	32	1.26	136	5.35	104	4.09			10575	23774	379	23.1	6.68	14.73
KZ 6600 038	38	1.50	148	5.83	110	4.33	150 bar 2175 psi at 20°C 68°F		10753	24173	438	26.7	6.96	15.34
KZ 6600 050	50	1.97	172	6.77	122	4.80			11005	24739	556	33.9	7.51	16.56
KZ 6600 063	63	2.48	198	7.80	135	5.31			11187	25149	683	41.7	8.12	17.90
KZ 6600 075	75	2.95	222	8.74	147	5.79			11306	25418	801	48.9	8.67	19.11
KZ 6600 080	80	3.15	232	9.13	152	5.98			11347	25509	850	51.9	8.91	19.64
KZ 6600 100	100	3.94	272	10.71	172	6.77			11473	25793	1047	63.9	9.83	21.67
KZ 6600 125	125	4.92	322	12.68	197	7.76			11579	26032	1292	78.8	10.99	24.23

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KZ-H 6600 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	75A0W360A

							
mm	mm	mm	Ø120 L1=168 L1=172 L1=172	Ø120 L1=190	Ø120 L1=202 L1=215 L1=240	Ø120 L1=240	Ø120 L1=260
MODEL			CW 6600 KZ 6600 KT 6600	FD 5000	GN 5000 CM 6500 CD 6600	AG 5000	CS 11800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B21-120  B43-120  B76-120 	C05-120  C20-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

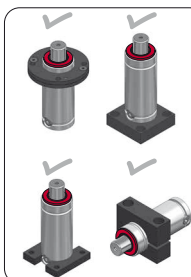
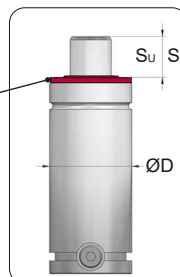
KZ 6600 050 75 120

KZ 6600 050 + PW 075 120

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

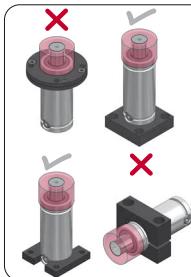
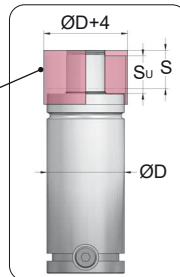
KZ 6600 050 75 120 50

KZ 6600 050 + PC 075 120 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



Protective Cover



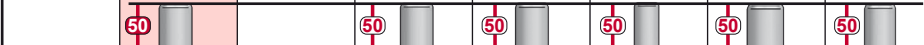


GAS SPRINGS



COMPACT HEIGHT KT

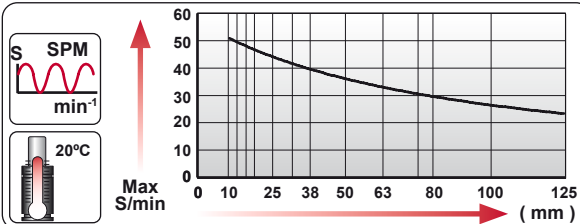
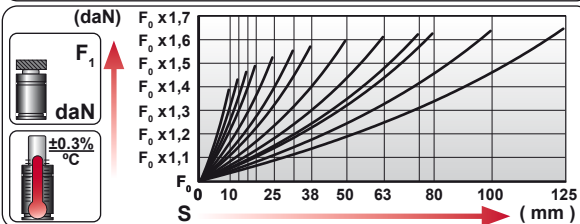
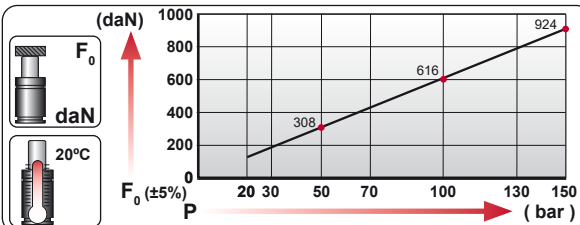
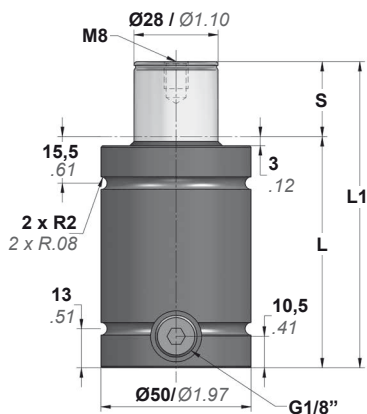
- Compact size gas springs
- High contact force (1000-9500 daN)
- Meet automotive standards (Toyota, Nissan)
- Widely used in progressive die sets

  								
								
								
								
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800
SERIES	MINI 	COMPACT HEIGHT 	THREADED 	LOW PROFILE 	HEAVY DUTY 	ISO 	HEAVY LOAD 	POWER SHORT STROKE 

KT 1000

Compact Height

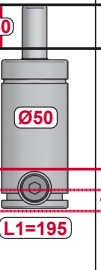
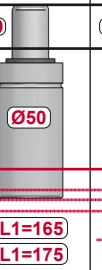
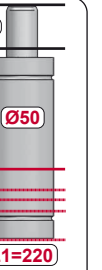
		PSA	E24.54.815.G
		RENAULT	EM24.54.700
	TOYOTA SMS DKH3221n	NISSAN	K32R0

**AZOL
GAS****VDI
SAFETY****STANDARDS**

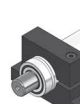
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KT 1000 010	10	0.39	72	2.83	62	2.44	920 ±5% 150 bar 2175 psi at 20°C 68°F	2068	1318	2964	20	1.2	0.73	1.61
KT 1000 013	13	0.51	78	3.07	65	2.56			1356	3048	25	1.5	0.75	1.65
KT 1000 016	16	0.63	84	3.31	68	2.68			1383	3108	29	1.8	0.78	1.72
KT 1000 019	19	0.75	90	3.54	71	2.80			1403	3154	34	2.1	0.80	1.76
KT 1000 025	25	0.98	102	4.02	77	3.03			1432	3220	43	2.6	0.85	1.87
KT 1000 032	32	1.26	116	4.57	84	3.31			1454	3270	54	3.3	0.91	2.01
KT 1000 038	38	1.50	128	5.04	90	3.54			1468	3300	63	3.8	0.96	2.12
KT 1000 050	50	1.97	152	5.98	102	4.02			1486	3341	81	4.9	1.06	2.34
KT 1000 063	63	2.48	178	7.01	115	4.53			1499	3369	100	6.1	1.17	2.58
KT 1000 075	75	2.95	202	7.95	127	5.00			1507	3387	119	7.2	1.27	2.80
KT 1000 080	80	3.15	212	8.35	132	5.20			1509	3393	126	7.7	1.31	2.89
KT 1000 100	100	3.94	252	9.92	152	5.98			1518	3412	156	9.5	1.48	3.26
KT 1000 125	125	4.92	302	11.89	177	6.97			1524	3427	194	11.8	1.69	3.73

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KT-H 1000 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2840K169B

								
mm	mm	mm	$\varnothing 50$ L1=138 L1=148 L1=152	$\varnothing 50$ L1=138 L1=150 L1=150	$\varnothing 50$ L1=170 L1=185 L1=195	$\varnothing 50$ L1=195	$\varnothing 50$ L1=165 L1=175	$\varnothing 50$ L1=220
MODEL			CW 1000 CWC 1000 KZ/KT 1000	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  A34-050 	B33-050 	AX9-050  AY4-050 	D02-050  D67-050 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

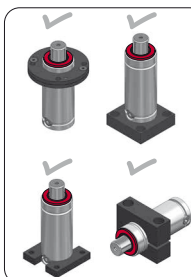
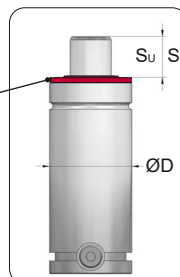
KT 1000 050 28 50

KT 1000 050 + PW 028 050

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

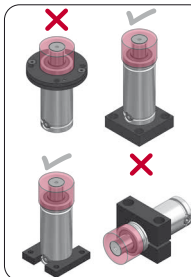
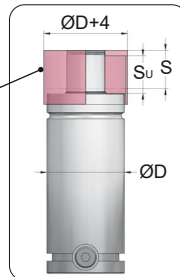
KT 1000 050 28 50 50

KT 1000 050 + PC 028 050 050

The body diameter ($\varnothing D$) increases to the size of ($\varnothing PC$).
PC can be used with mounts B and C, but not with mounts type A and D.

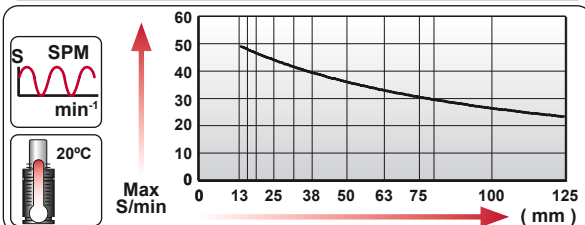
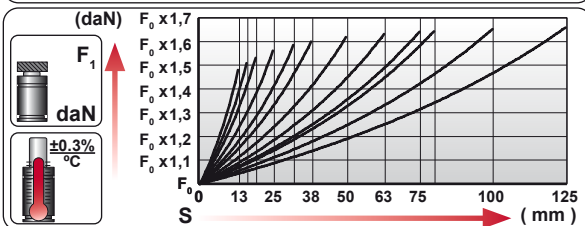
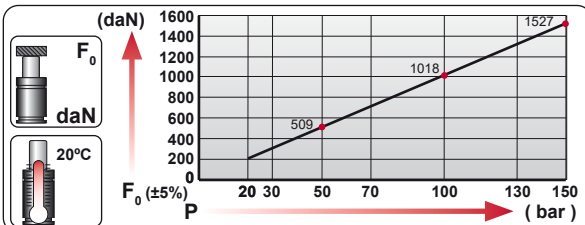
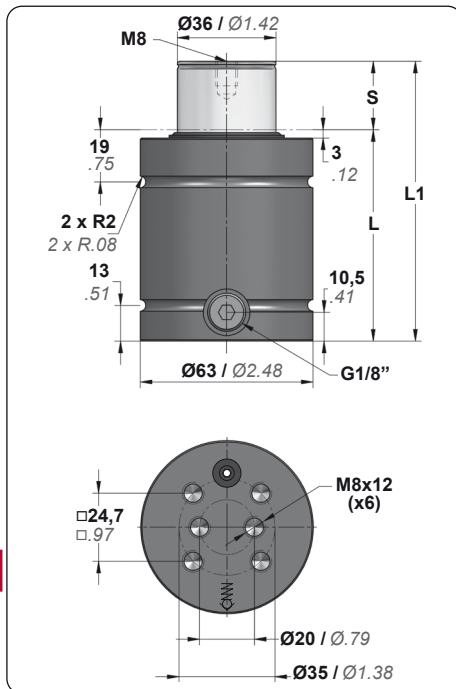


Protective Cover



KT 1500

Compact Height

**AZOL
GAS****VDI
SAFETY****STANDARDS**

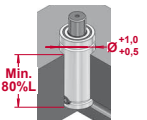
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KT 1500 013	13	0.51	78	3.07	65	2.56	1530 ±5% 150 bar 2175 psi at 20°C 68°F	3440	2315	5205	39	2.4	1.19	2.62
KT 1500 016	16	0.63	84	3.31	68	2.68			2355	5293	47	2.8	1.23	2.71
KT 1500 019	19	0.75	90	3.54	71	2.80			2384	5359	54	3.3	1.26	2.78
KT 1500 025	25	0.98	102	4.02	77	3.03			2425	5451	69	4.2	1.34	2.95
KT 1500 032	32	1.26	116	4.57	84	3.31			2455	5520	86	5.3	1.43	3.15
KT 1500 038	38	1.50	128	5.04	90	3.54			2474	5561	101	6.2	1.51	3.33
KT 1500 050	50	1.97	152	5.98	102	4.02			2498	5616	131	8.0	1.66	3.66
KT 1500 063	63	2.48	178	7.01	115	4.53			2515	5653	164	10.0	1.83	4.03
KT 1500 075	75	2.95	202	7.95	127	5.00			2525	5677	194	11.8	1.99	4.39
KT 1500 080	80	3.15	212	8.35	132	5.20			2529	5684	206	12.6	2.05	4.52
KT 1500 100	100	3.94	252	9.92	152	5.98			2539	5708	256	15.6	2.31	5.09
KT 1500 125	125	4.92	302	11.89	177	6.97			2548	5728	318	19.4	2.63	5.80

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KT-H 1500 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3651L210A

								
								
MODEL		CW 1500 KZ/KT 1500 CWC 1500		CT 1500 CK 1500	CM 1500 CD 1500		CPH 2800 CP 3000	CS 3000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  A69-063 	B21-075  B76-075 	AY4-063 	D02-063  D67-063 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

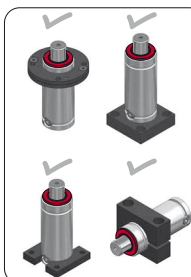
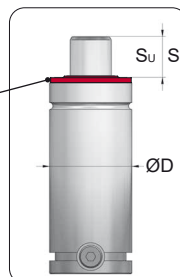
KT 1500 050 36 63

KT 1500 050 + PW 036 063

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

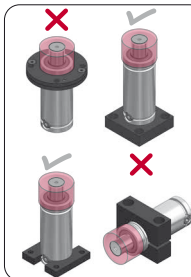
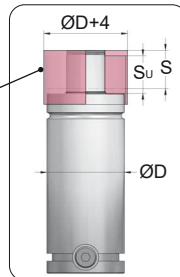
KT 1500 050 36 63 50

KT 1500 050 + PC 036 063 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



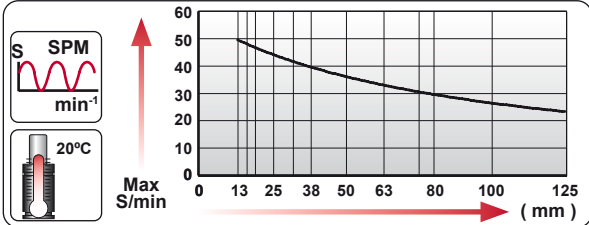
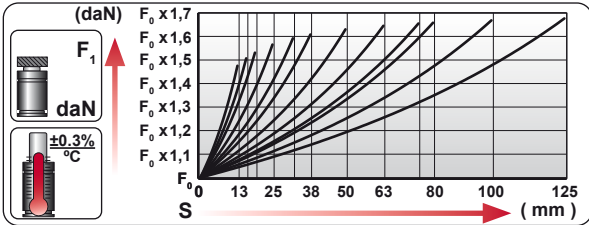
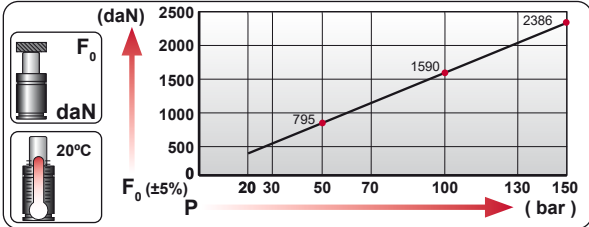
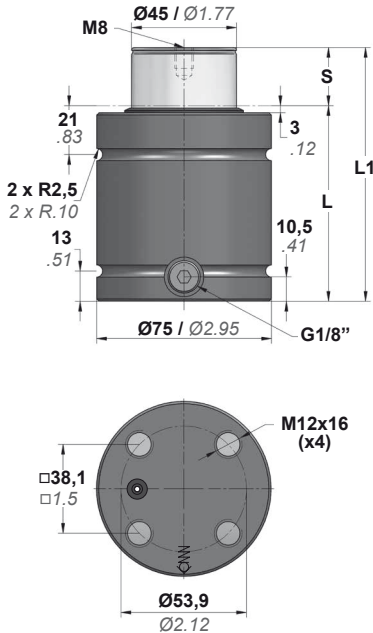
Protective Cover



KT 2400

Compact Height

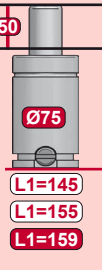
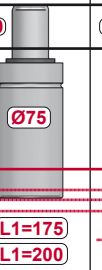
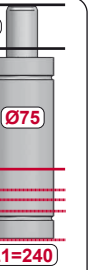
		PSA	E24.54.815.G
		RENAULT	EM24.54.700
	TOYOTA	SMS DKH3221n	NISSAN K32R0

**AZOL
GAS****VDI
SAFETY****STANDARDS**

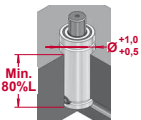
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KT 2400 013	13	0.51	85	3.35	72	2.83	2385	5362	3432	7715	68	4.1	1.81	3.99
KT 2400 016	16	0.63	91	3.58	75	2.95			3513	7898	79	4.8	1.86	4.10
KT 2400 019	19	0.75	97	3.82	78	3.07			3576	8040	91	5.5	1.91	4.21
KT 2400 025	25	0.98	109	4.29	84	3.31			3668	8246	114	6.9	2.01	4.43
KT 2400 032	32	1.26	123	4.84	91	3.58			3741	8409	140	8.6	2.13	4.70
KT 2400 038	38	1.50	135	5.31	97	3.82			3785	8510	163	10.0	2.23	4.92
KT 2400 050	50	1.97	159	6.26	109	4.29			3847	8648	209	12.8	2.44	5.38
KT 2400 063	63	2.48	185	7.28	122	4.80			3890	8745	259	15.8	2.66	5.86
KT 2400 075	75	2.95	209	8.23	134	5.28			3918	8808	305	18.6	2.87	6.33
KT 2400 080	80	3.15	219	8.62	139	5.47			3927	8829	324	19.8	2.96	6.53
KT 2400 100	100	3.94	259	10.20	159	6.26			3956	8894	400	24.4	3.30	7.28
KT 2400 125	125	4.92	309	12.17	184	7.24			3980	8947	496	30.3	3.73	8.22

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	KT-H 2400 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	4563L245A

 S mm	 2 mm	 L1 mm	 50 Ø75 L1=145 L1=155 L1=159	 50 Ø75 L1=154 L1=160 L1=160	 50 Ø75 L1=185 L1=195 L1=210	 50 Ø75 L1=210	 50 Ø75 L1=175 L1=200	 50 Ø75 L1=240
MODEL			CW 2400 CWC 2400 KZ/KT 2400	CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
	 Min. 80% L Ø +1,0 +0,5				
HOW TO ORDER		A14-075  581 A34-075  582	B33-075  592 B91-075  595	AX9-075  589 AY4-075  588	D02-075  601 D67-075  602

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper






HOW TO ORDER

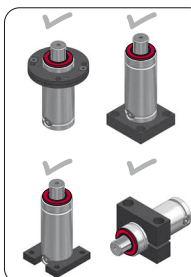
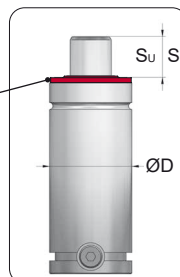
KT 2400 050 45 75

KT 2400 050 + PW 045 075

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover






HOW TO ORDER

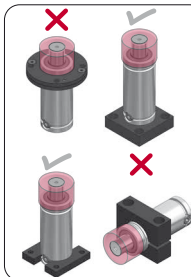
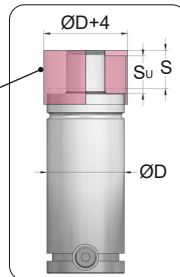
KT 2400 050 45 75 50

KT 2400 050 + PC 045 075 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



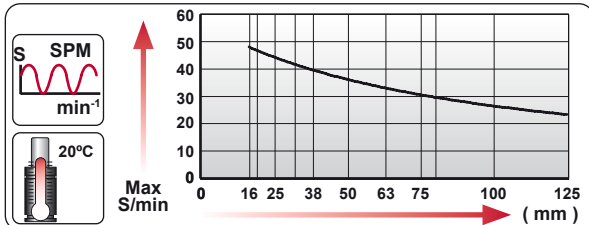
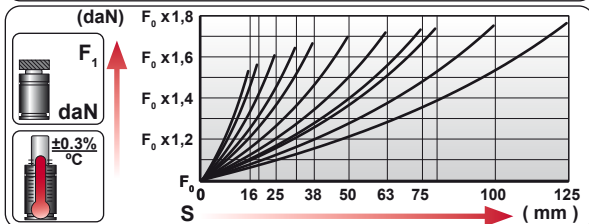
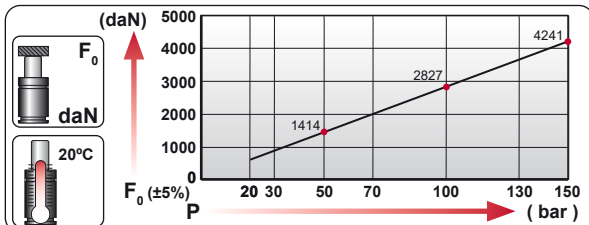
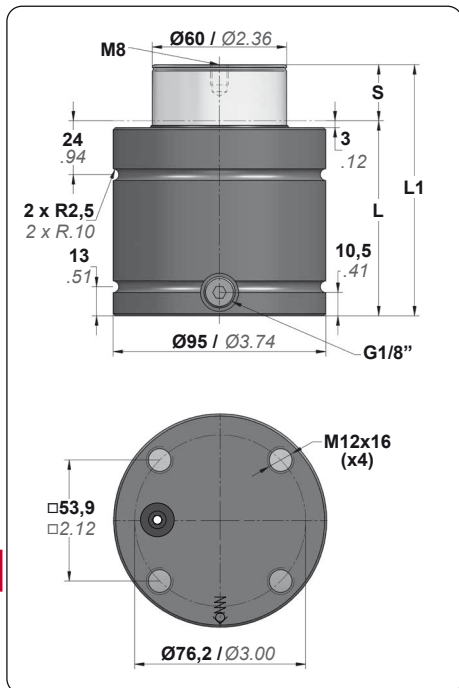
Protective Cover



KT 4200

Compact Height

	PSA	E24.54.815.G
	RENAULT	EM24.54.700
TOYOTA	SMS DKH3221n	NISSAN K32R0

AZOL
GAS

VDI
SAFETY

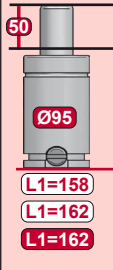

STANDARS



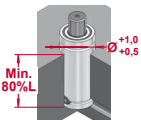
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KT 4200 016	16	0.63	94	3.70	78	3.07	4240	9532	6248	14047	141	8.6	3.18	7.01
KT 4200 019	19	0.75	100	3.94	81	3.19			6391	14369	160	9.7	3.27	7.21
KT 4200 025	25	0.98	112	4.41	87	3.43	±5% 150 bar 2175 psi at 20°C 68°F		6607	14854	197	12.0	3.44	7.58
KT 4200 032	32	1.26	126	4.96	94	3.70			6784	15251	241	14.7	3.64	8.02
KT 4200 038	38	1.50	138	5.43	100	3.94			6896	15502	279	17.0	3.81	8.40
KT 4200 050	50	1.97	162	6.38	112	4.41			7054	15858	354	21.6	4.15	9.15
KT 4200 063	63	2.48	188	7.40	125	4.92			7168	16115	436	26.6	4.52	9.96
KT 4200 075	75	2.95	212	8.35	137	5.39			7243	16283	511	31.2	4.86	10.71
KT 4200 080	80	3.15	222	8.74	142	5.59			7269	16340	543	33.1	5.01	11.05
KT 4200 100	100	3.94	262	10.31	162	6.38			7347	16518	669	40.8	5.58	12.30
KT 4200 125	125	4.92	312	12.28	187	7.36			7414	16667	826	50.4	6.29	13.87

TECHNICAL DATA

	Fluid	N ₂	 	Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi	 	Charging Adapter	18 CG 1-Q	
	Smax	< 90%	 	Tmin Tmax	0 °C 32 °F	80 °C 176 °F		 	Connection	KT-H 4200 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C					Cardridge Kit

								
mm	mm	mm	50 Ø95 L1=158 L1=162 L1=162	50 Ø95 L1=170 L1=170	50 Ø95 L1=195 L1=205 L1=220	50 Ø95 L1=220	50 Ø95 L1=215	50 Ø95 L1=255
MODEL			CW 4200 KZ 4200 KT 4200	CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-095  A34-095 	B33-095  B91-095 	AX9-095  AY4-095 	D02-095  D67-095 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

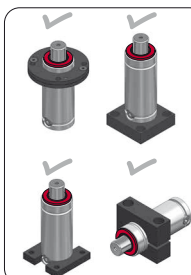
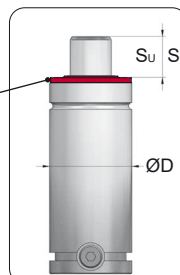
KT 4200 050 60 95

KT 4200 050 + PW 060 095

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

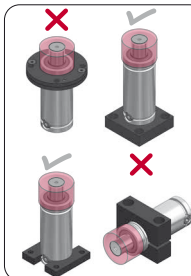
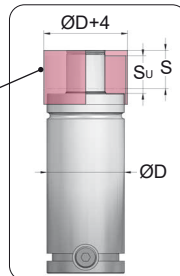
KT 4200 050 60 95 50

KT 4200 050 + PC 060 095 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



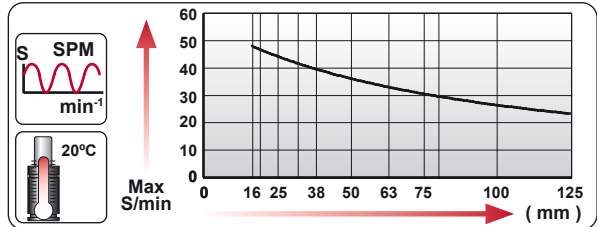
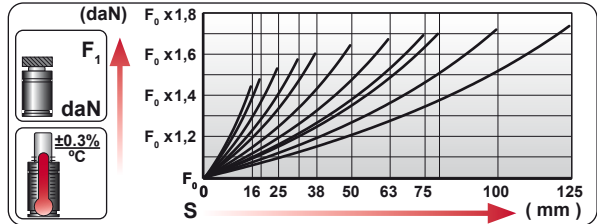
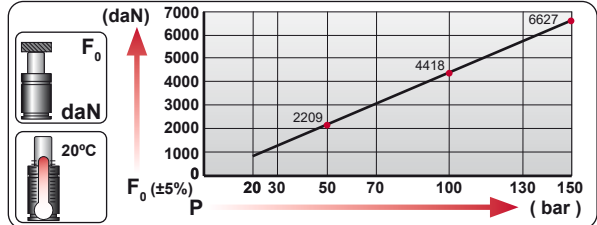
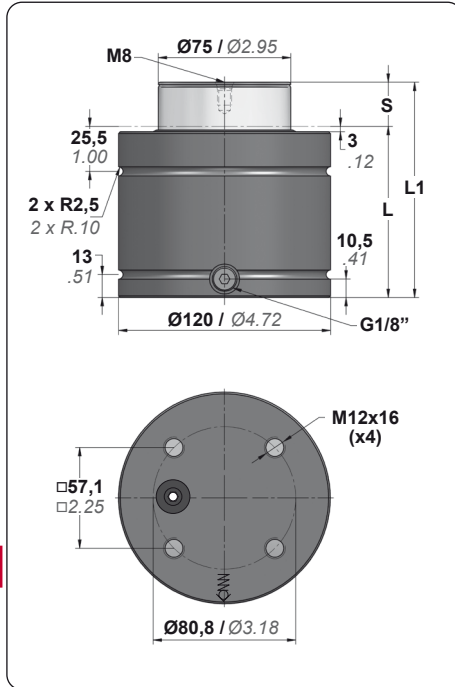
Protective Cover



KT 6600

Compact Height

		RENAULT	EM24.54.700
	TOYOTA	SMS DK1-3221n	NISSAN K32R0

AZOL
GAS

VDI
SAFETY

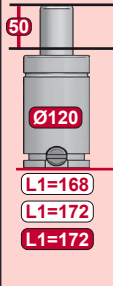
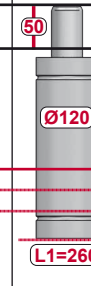

STANDARDS



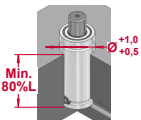
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
KT 6600 016	16	0.63	104	4.09	88	3.46	6630	14905	9577	21529	230	14.0	5.89	12.99
KT 6600 019	19	0.75	110	4.33	91	3.58			9806	22044	259	15.8	6.03	13.29
KT 6600 025	25	0.98	122	4.80	97	3.82			10157	22833	318	19.4	6.31	13.91
KT 6600 032	32	1.26	136	5.35	104	4.09			10449	23490	387	23.6	6.63	14.62
KT 6600 038	38	1.50	148	5.83	110	4.33	±5% 150 bar 2175 psi at 20°C 68°F		10636	23911	446	27.2	6.91	15.23
KT 6600 050	50	1.97	172	6.77	122	4.80			10904	24514	564	34.4	7.47	16.47
KT 6600 063	63	2.48	198	7.80	135	5.31			11100	24954	691	42.2	8.07	17.79
KT 6600 075	75	2.95	222	8.74	147	5.79			11229	25245	809	49.4	8.63	19.03
KT 6600 080	80	3.15	232	9.13	152	5.98			11274	25344	858	52.4	8.86	19.53
KT 6600 100	100	3.94	272	10.71	172	6.77			11411	25654	1054	64.3	9.79	21.58
KT 6600 125	125	4.92	322	12.68	197	7.76			11527	25915	1300	79.3	10.95	24.14

TECHNICAL DATA

	Fluid	N ₂	 	Pmin Pmax 20°C / 68°F	20 bar 150 bar 290 psi 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%	 	Tmin Tmax	0 °C 80 °C 32 °F 176 °F		Connection	KT-H 6600 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C		Cardridge Kit	75A0W360A

							
MODEL			CW 6600 KZ 6600 KT 6600	FD 5000	GN 5000 CM 6500 CD 6600	AG 5000	CS 11800

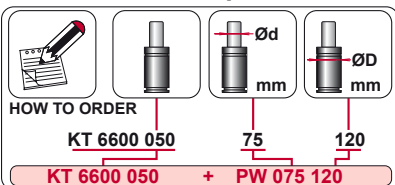
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B33-120 	AY4-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

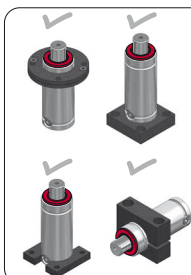
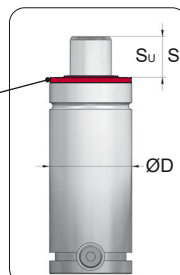
PW Protective Wiper



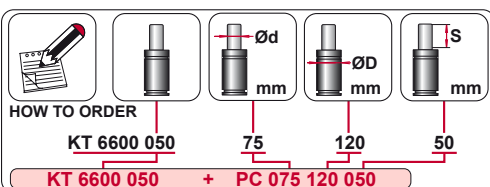
PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



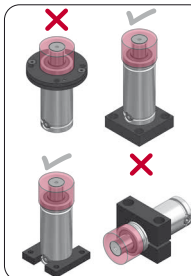
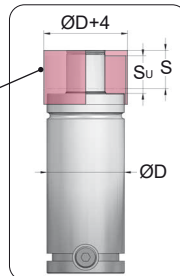
PC Protective Cover



The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



Protective Cover

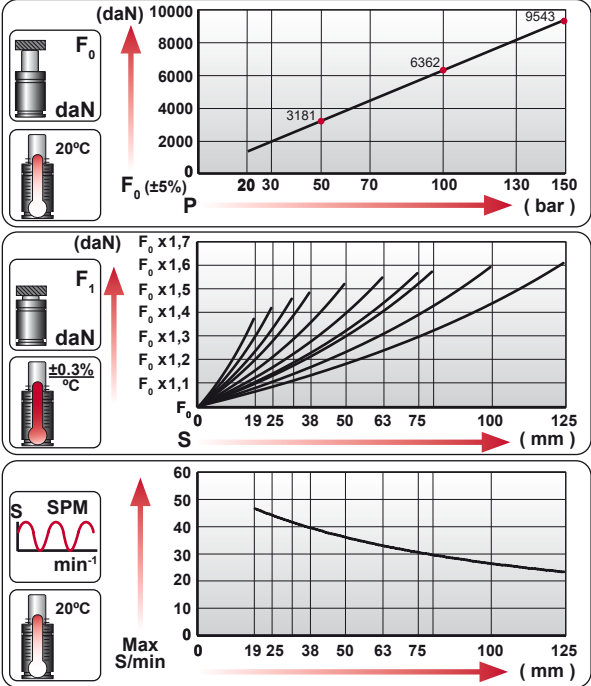
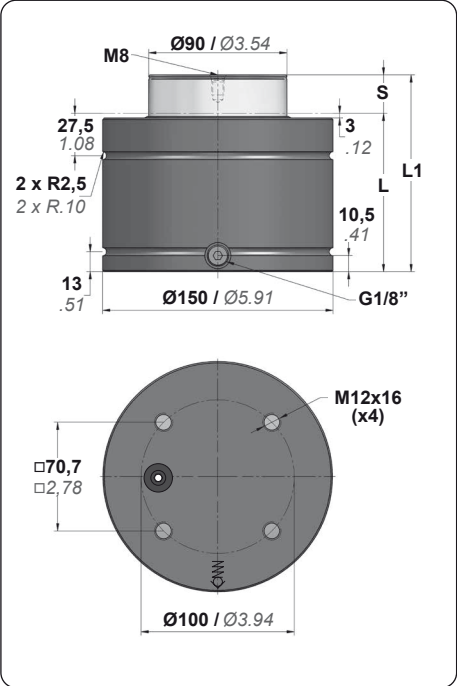


KT 9500

Compact Height

TOYOTA SMS DK13221n

AZOL
GAS



VDI SAFETY

STANDARDS

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
KT 9500 019	19	0.75	116	4.57	97	3.82	9540 ±5% 150 bar 2175 psi at 20°C 68°F	21447	13263	29817	431	26.3	10.02	22.09
KT 9500 025	25	0.98	128	5.04	103	4.06			13696	30790	524	32.0	10.42	22.97
KT 9500 032	32	1.26	142	5.59	110	4.33			14060	31608	633	38.6	10.88	23.99
KT 9500 038	38	1.50	154	6.06	116	4.57			14295	32136	727	44.4	11.28	24.87
KT 9500 050	50	1.97	178	7.01	128	5.04			14633	32897	914	55.8	12.07	26.61
KT 9500 063	63	2.48	204	8.03	141	5.55			14882	33456	1117	68.1	12.93	28.51
KT 9500 075	75	2.95	228	8.98	153	6.02			15047	33828	1304	79.6	13.73	30.27
KT 9500 080	80	3.15	238	9.37	158	6.22			15104	33955	1382	84.3	14.06	31.00
KT 9500 100	100	3.94	278	10.94	178	7.01			15281	34352	1693	103.3	15.39	33.93
KT 9500 125	125	4.92	328	12.91	203	7.99			15430	34689	2083	127.1	17.04	37.57

TECHNICAL DATA

Fluid

N₂

Smax

Vmax

Pmin Pmax
20°C / 68°F

Tmin Tmax

Force variation
by temperature

20 bar 150 bar
290 psi 2175 psi

0 °C 80 °C
32 °F 176 °F

±0,3% / °C

Charging
Adapter

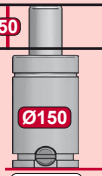
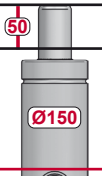
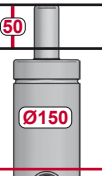
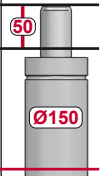
Connection

Cardridge
Kit

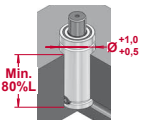
18 CG 1-Q

KT-H 9500 XXX

90C5X380A

						
mm	mm	mm	mm	mm	mm	mm
			Ø150	Ø150	Ø150	Ø150
			L1=178	L1=205	L1=255	L1=270
			L1=178	L1=236	L1=255	L1=270
			L1=178	L1=255	L1=255	L1=270
MODEL			CW 9500 CW 11800 KT 9500	GN 7500 CM 10000 CD 9600	AG 7500	CS 18300

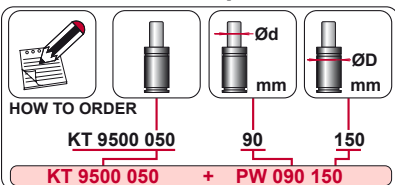
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  A34-150 	B21-150  B76-150  ADDITIONAL	AY4-150 	D02-150  D67-150 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

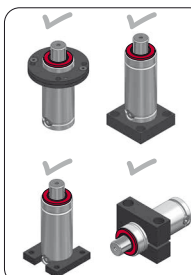
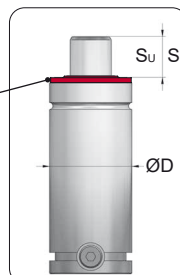
PW Protective Wiper



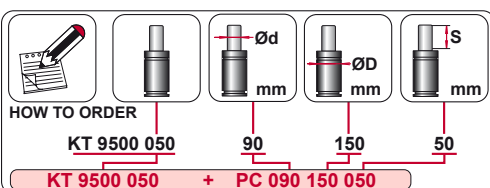
PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



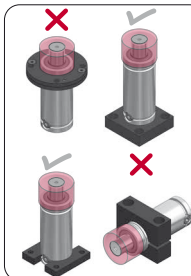
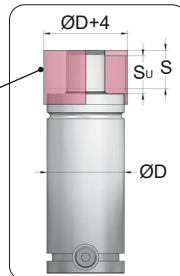
PC Protective Cover



The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



Protective Cover





GAS SPRINGS



AZOL GAS



COMPACT HEIGHT CW

- Compact size gas springs
- High contact force (170-20000 daN)
- Meet major automotive standards
- Widely used in progressive die sets and hot forming

MODEL	F ₀ daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
CW 170 V2	170 382	Ø19 Ø0.75	7 - 125 0.28 - 4.92	44 - 285 1.73 - 11.22	180 2610	M6	X	X
CW 320 V2	320 719	Ø25 Ø0.98	7 - 125 0.28 - 4.92	44 - 285 1.73 - 11.22	180 2610	M6	X	X
CW 350 V1	350 787	Ø32 Ø1.26	10 - 125 0.39 - 4.92	50 - 280 1.97 - 11.02	180 2610	M6	✓	✓
CW 500 V1	500 1124	Ø38 Ø1.50	10 - 125 0.39 - 4.92	50 - 280 1.97 - 11.02	150 2175	M6	✓	✓
CW 750 V1	750 1686	Ø45 Ø1.77	10 - 125 0.39 - 4.92	52 - 282 2.05 - 11.10	150 2175	M6	✓	✓
CWC 750 V2	750 1686	Ø45 Ø1.77	10 - 125 0.39 - 4.92	62 - 292 2.44 - 11.50	150 2175	G1/8"	✓	✓
CW 1000 V2	1000 2248	Ø50 Ø1.97	10 - 125 0.39 - 4.92	58 - 288 2.28 - 11.34	150 2175	M6	✓	✓
CWC 1000 V2	1000 2248	Ø50 Ø1.97	10 - 125 0.39 - 4.92	68 - 298 2.68 - 11.73	150 2175	G1/8"	✓	✓
CW 1500 V1	1500 3372	Ø63 Ø2.48	13 - 125 0.51 - 4.92	70 - 294 2.76 - 11.57	150 2175	M6	✓	✓
CWC 1500 V1	1500 3372	Ø63 Ø2.48	13 - 125 0.51 - 4.92	80 - 304 3.15 - 11.97	150 2175	G1/8"	✓	✓
CW 2400 V1	2400 5395	Ø75 Ø2.95	13 - 125 0.51 - 4.92	71 - 295 2.80 - 11.61	150 2175	M6	✓	✓
CWC 2400 V2	2400 5395	Ø75 Ø2.95	13 - 125 0.51 - 4.92	81 - 305 3.19 - 12.01	150 2175	G1/8"	✓	✓
CW 4200 V1	4200 9442	Ø95 Ø3.74	16 - 125 0.63 - 4.92	90 - 308 3.54 - 12.13	150 2175	G1/8"	✓	✓
CW 6600	6600 14837	Ø120 Ø4.72	16 - 125 0.63 - 4.92	100 - 318 3.94 - 12.52	150 2175	G1/8"	✓	✓
CW 9500	9500 21357	Ø150 Ø5.91	19 - 125 0.75 - 4.92	116 - 328 4.57 - 12.91	150 2175	G1/8"	✓	✓
CW 11800	11800 26527	Ø150 Ø5.91	19 - 125 0.75 - 4.92	116 - 328 4.57 - 12.91	150 2175	G1/8"	✓	✓
CW 20000	20000 44962	Ø195 Ø7.68	19 - 125 0.75 - 4.92	148 - 360 5.83 - 14.17	150 2175	G1/8"	✓	✓

 s mm  2 mm  L1 mm	 50  Ø50 L1=138 L1=148 L1=152		 50  Ø50 L1=138 L1=150 L1=150	 50  Ø50 L1=170 L1=185 L1=195	 50  Ø50 L1=195	 50  Ø50 L1=165 L1=175	 50  Ø50 L1=220	
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CP 1000	AG 750	CPH 1700 CP 2000	CS 1800
SERIES	MINI	COMPACT HEIGHT	THREADED	LOW PROFILE	HEAVY DUTY	ISO	HEAVY LOAD	POWER SHORT STROKE
								

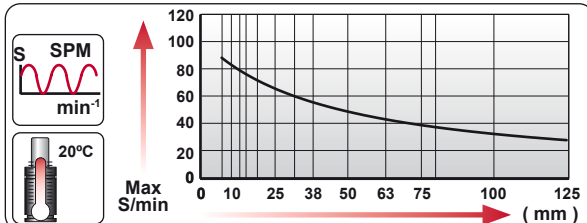
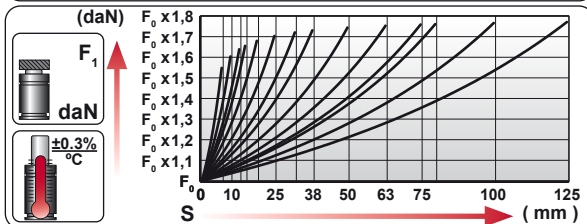
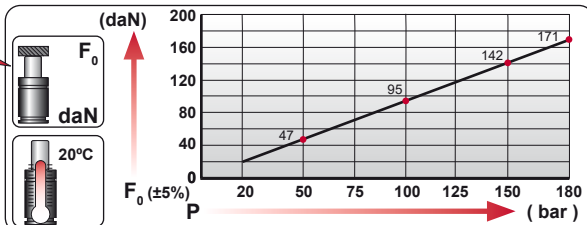
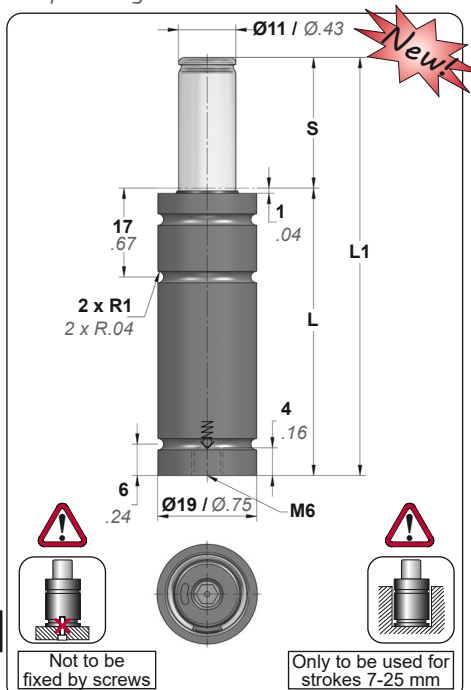
CW 170 V2

Compact Height

BMW B2 4005

MB B8 3180 220 000 004

VW 39D 997

**AZOL
GAS****VDI
SAFETY****STANDARDS**

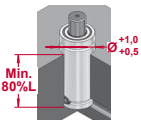
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CW 170 007 V2	7	0.28	44	1.73	37	1.46	170	382	255	572	2	0.1	0.08	0.18
CW 170 010 V2	10	0.39	50	1.97	40	1.57					3	0.2	0.08	0.18
CW 170 013 V2	13	0.51	56	2.20	43	1.69					3	0.2	0.08	0.18
CW 170 015 V2	15	0.59	60	2.36	45	1.77					4	0.2	0.09	0.20
CW 170 019 V2	19	0.75	68	2.68	49	1.93					4	0.3	0.09	0.20
CW 170 025 V2	25	0.98	80	3.15	55	2.17					6	0.3	0.10	0.22
CW 170 032 V2	32	1.26	94	3.70	62	2.44					7	0.4	0.11	0.24
CW 170 038 V2	38	1.50	106	4.17	68	2.68					8	0.5	0.12	0.26
CW 170 050 V2	50	1.97	130	5.12	80	3.15					11	0.7	0.13	0.29
CW 170 063 V2	63	2.48	156	6.14	93	3.66					13	0.8	0.15	0.33
CW 170 075 V2	75	2.95	185	7.28	110	4.33					16	1.0	0.16	0.35
CW 170 080 V2	80	3.15	195	7.68	115	4.53					17	1.0	0.17	0.37
CW 170 100 V2	100	3.94	235	9.25	135	5.31					21	1.3	0.20	0.44
CW 170 125 V2	125	4.92	285	11.22	160	6.30					26	1.6	0.23	0.51

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	180 bar 2610 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	X
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	X

								
MODEL	AFJ	CW 170					CP 150	

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-019  580 A44-019  584 A59-019  585		A19-019  586	

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

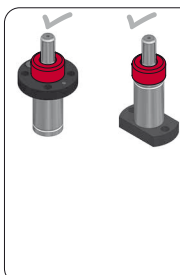
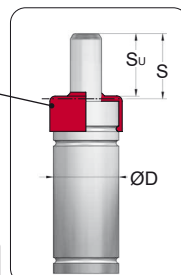
PG Protective Guard

			
HOW TO ORDER			
	CW 170 050 V2	11	19
	CW 170 050 V2 + PG 011 019		

PG involves a variation of the dimensions of the gas spring.
The nominal stroke (S) decreases to the size of the useful stroke (Su).



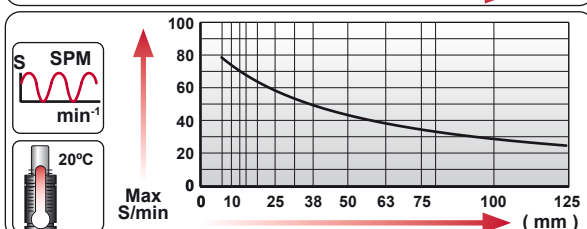
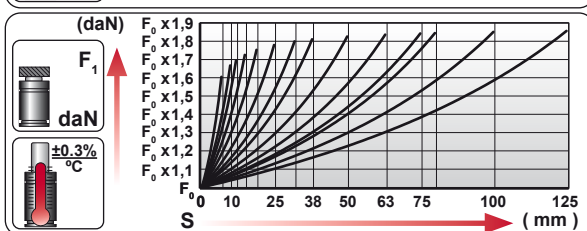
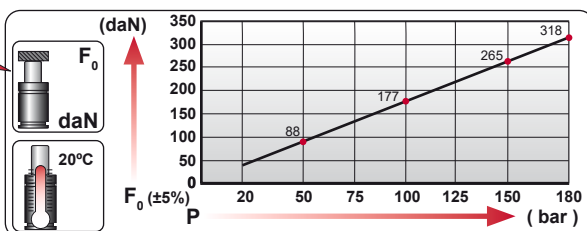
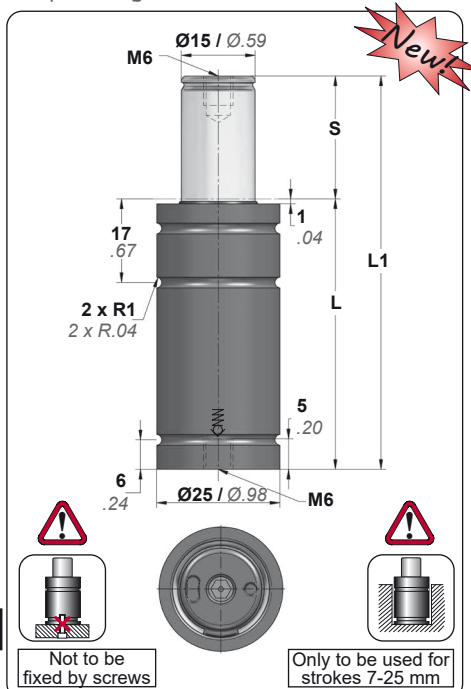
Protective Guard



CW 320 V2

Compact Height

VW	39D 997	

**AZOL
GAS****VDI
SAFETY****STANDARDS**

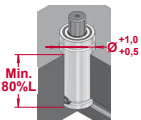
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CW 320 007 V2	7	0.28	44	1.73	37	1.46	320	719	601	1351	3	0.2	0.11	0.24
CW 320 010 V2	10	0.39	50	1.97	40	1.57					4	0.2	0.11	0.24
CW 320 013 V2	13	0.51	56	2.20	43	1.69					4	0.3	0.12	0.26
CW 320 015 V2	15	0.59	60	2.36	45	1.77					5	0.3	0.13	0.29
CW 320 019 V2	19	0.75	68	2.68	49	1.93					7	0.4	0.13	0.29
CW 320 025 V2	25	0.98	80	3.15	55	2.17					9	0.5	0.15	0.33
CW 320 032 V2	32	1.26	94	3.70	62	2.44					11	0.7	0.16	0.35
CW 320 038 V2	38	1.50	106	4.17	68	2.68					13	0.8	0.18	0.40
CW 320 050 V2	50	1.97	130	5.12	80	3.15					17	1.0	0.21	0.46
CW 320 063 V2	63	2.48	156	6.14	93	3.66					21	1.3	0.23	0.51
CW 320 075 V2	75	2.95	185	7.28	110	4.33					25	1.5	0.26	0.57
CW 320 080 V2	80	3.15	195	7.68	115	4.53					27	1.6	0.27	0.60
CW 320 100 V2	100	3.94	235	9.25	135	5.31					34	2.1	0.32	0.71
CW 320 125 V2	125	4.92	285	11.22	160	6.30					42	2.6	0.38	0.84

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	180 bar 2610 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	X
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	X

								
50	50		50	50		50	50	
								
	Ø25		Ø25	Ø25		Ø25	Ø25	
	L1=142		L1=132	L1=160		L1=160	L1=195	
	L1=145		L1=133					
	L1=154							
MODEL	AFC/AFD AFNA AF	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A44-025  A49-025 		A19-025 	D02-025 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

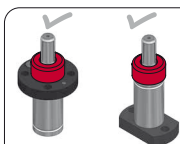
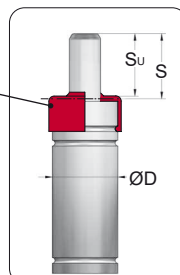
PG Protective Guard

			
HOW TO ORDER		Ød mm	ØD mm
CW 320 050 V2	15	25	
CW 320 050 V2 + PG 015 025			

PG involves a variation of the dimensions of the gas spring.
The nominal stroke (S) decreases to the size of the useful stroke (S_u).



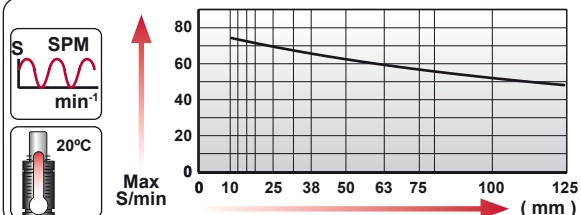
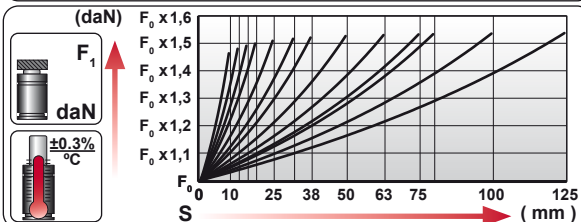
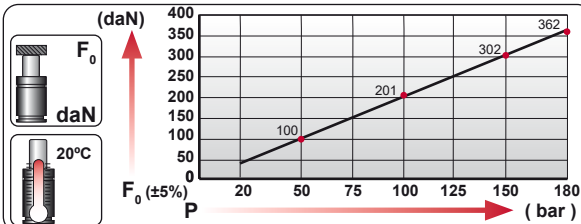
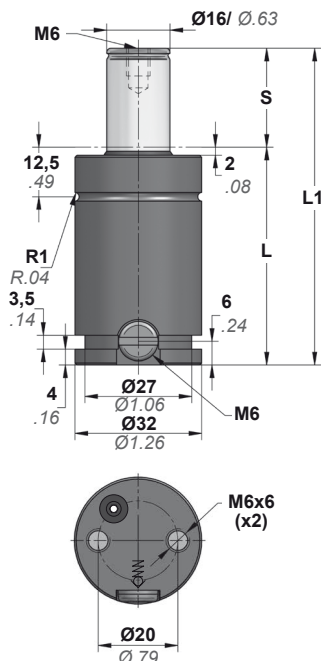
Protective Guard



CW 350 V1

Compact Height

BMW B2 4005	FORD W-DX35-6204
MB B8 3180 220 000 004	GM 90.25.08
VW 39D 997	

**AZOL
GAS****VDI
SAFETY****STANDARDS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CW 350 010 V1	10	0.39	50	1.97	40	1.57	360 809 ±5% 180 bar 2610 psi at 20°C 68°F		527	1185	6	0.4	0.18	0.40
CW 350 013 V1	13	0.51	56	2.20	43	1.69			533	1199	8	0.5	0.19	0.42
CW 350 016 V1	16	0.63	62	2.44	46	1.81			537	1208	10	0.6	0.20	0.44
CW 350 019 V1	19	0.75	68	2.68	49	1.93			540	1214	11	0.7	0.21	0.46
CW 350 025 V1	25	0.98	80	3.15	55	2.17			544	1222	15	0.9	0.23	0.51
CW 350 032 V1	32	1.26	94	3.70	62	2.44			546	1228	19	1.2	0.25	0.55
CW 350 038 V1	38	1.50	106	4.17	68	2.68			548	1232	22	1.4	0.28	0.62
CW 350 050 V1	50	1.97	130	5.12	80	3.15			550	1236	29	1.8	0.32	0.71
CW 350 063 V1	63	2.48	156	6.14	93	3.66			551	1239	37	2.2	0.36	0.79
CW 350 075 V1	75	2.95	180	7.09	105	4.13			552	1241	43	2.6	0.40	0.88
CW 350 080 V1	80	3.15	190	7.48	110	4.33			552	1242	46	2.8	0.42	0.93
CW 350 100 V1	100	3.94	230	9.06	130	5.12			553	1243	58	3.5	0.49	1.08
CW 350 125 V1	125	4.92	280	11.02	155	6.10			554	1245	72	4.4	0.57	1.26

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 180 bar 290 psi 2610 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 80 °C 32 °F 176 °F		Connection	CW-H 350 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C		Cardridge Kit	1625A135B

MODEL	AFT	CW 350 KZ 350	CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-032 A34-032		C20-032	D02-032

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

HOW TO ORDER

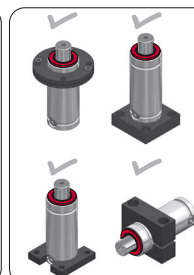
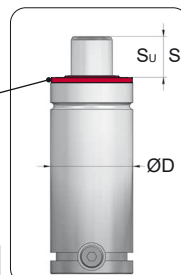
CW 350 050 V1 16 32

CW 350 050 V1 + PW 016 032

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover

HOW TO ORDER

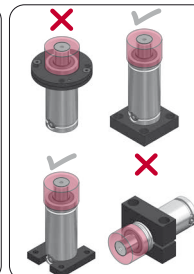
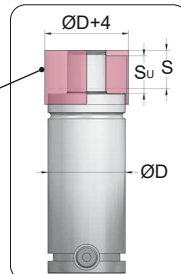
CW 350 050 V1 16 32 50

CW 350 050 V1 + PC 016 032 050

The body diameter (ØD) increases to the size of (ØPC).
PC can be used with mounts B and C, but not with mounts type A and D.



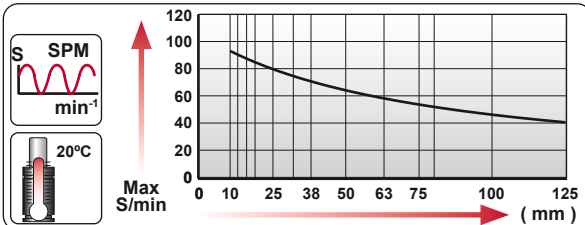
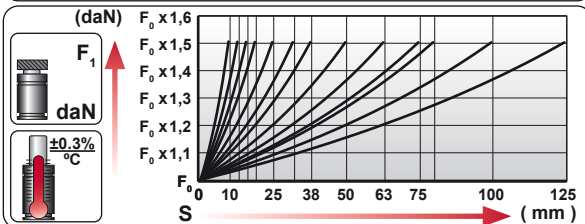
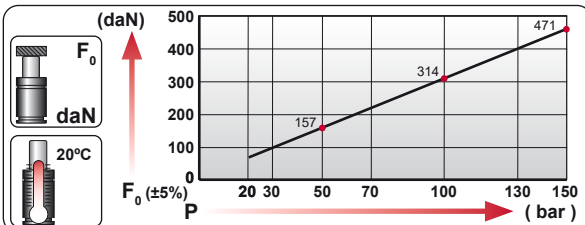
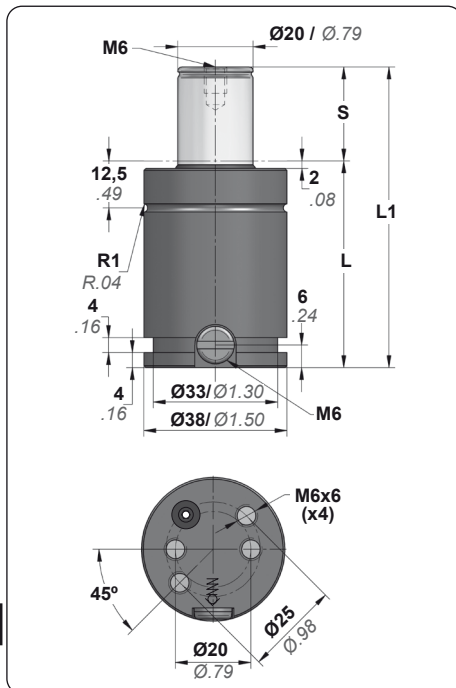
Protective Cover



CW 500 V1

Compact Height

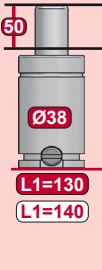
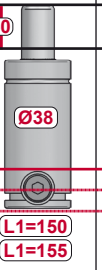
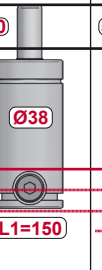
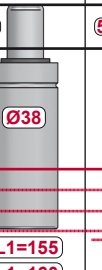
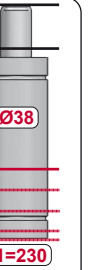
BMW B2 4005	FORD W-DX35-6204	PSA E24.54.815.G
MB B8 3180 220 000 004	GM 90.25.08	
VW 39D 997		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

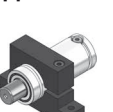
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 500 010 V1	10	0.39	50	1.97	40	1.57	470 1057 ±5% 150 bar 2175 psi at 20°C 68°F		672	1511	10	0.6	0.24	0.53
CW 500 013 V1	13	0.51	56	2.20	43	1.69			679	1527	13	0.8	0.26	0.57
CW 500 016 V1	16	0.63	62	2.44	46	1.81			684	1538	16	1.0	0.27	0.60
CW 500 019 V1	19	0.75	68	2.68	49	1.93			687	1545	19	1.2	0.28	0.62
CW 500 025 V1	25	0.98	80	3.15	55	2.17			692	1555	25	1.5	0.31	0.68
CW 500 032 V1	32	1.26	94	3.70	62	2.44			695	1562	31	1.9	0.33	0.73
CW 500 038 V1	38	1.50	106	4.17	68	2.68			697	1566	37	2.2	0.36	0.79
CW 500 050 V1	50	1.97	130	5.12	80	3.15			699	1572	48	2.9	0.41	0.90
CW 500 063 V1	63	2.48	156	6.14	93	3.66			701	1575	60	3.7	0.46	1.01
CW 500 075 V1	75	2.95	180	7.09	105	4.13			702	1578	71	4.4	0.51	1.12
CW 500 080 V1	80	3.15	190	7.48	110	4.33			702	1578	76	4.6	0.53	1.17
CW 500 100 V1	100	3.94	230	9.06	130	5.12			703	1581	95	5.8	0.61	1.34
CW 500 125 V1	125	4.92	280	11.02	155	6.10			704	1582	118	7.2	0.71	1.57

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 500 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2032D125B

								
		50	50	50	50	50	50	50
		Ø38 L1=130 L1=140	Ø38 L1=150	Ø38 L1=132 L1=137 L1=150	Ø38 L1=150 L1=155	Ø38 L1=150	Ø38 L1=155 L1=160	Ø38 L1=230
MODEL		CW 500 KZ 500	AS 300	CT 500 CK 500 FD 300	CD 500 CM 500	AG 250	CPH 850 CP 1000	CS 1000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-038  580 A34-038  582		C20-038  598	D02-038  600

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

 HOW TO ORDER

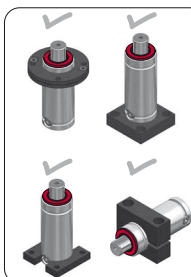
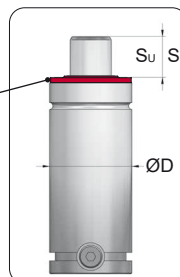
CW 500 050 V1 20 38

CW 500 050 V1 + PW 020 038

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover

 HOW TO ORDER

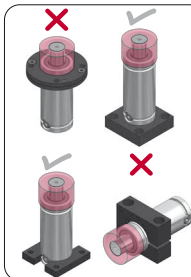
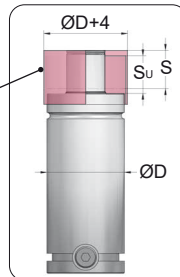
CW 500 050 V1 20 38 50

CW 500 050 V1 + PC 020 038 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



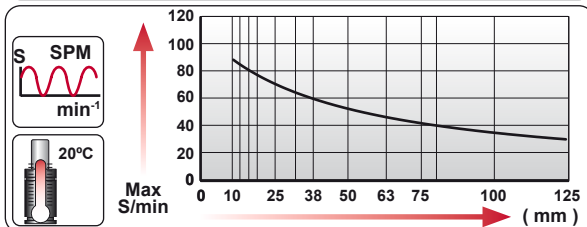
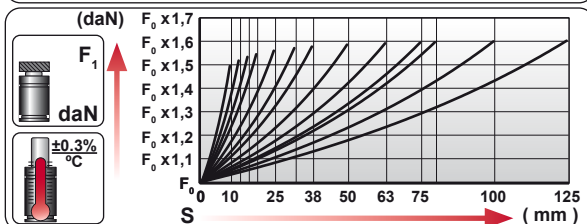
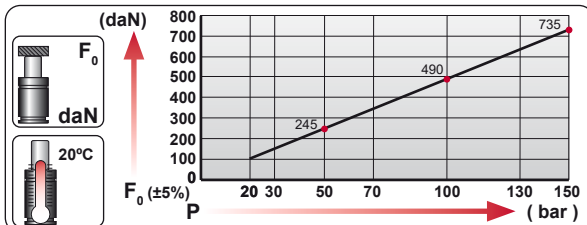
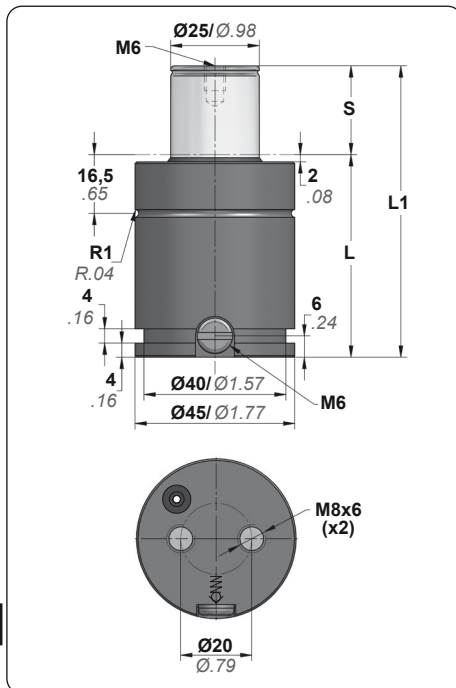
Protective Cover



CW 750 V1

Compact Height

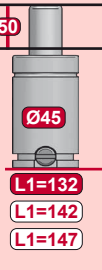
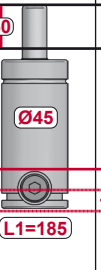
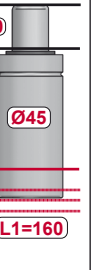
BMW B2 4005	FORD W-DX35-6204	PSA E24.54.815.G
MB B8 3180 220 000 004	GM 90.25.08	
VW 39D 997		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

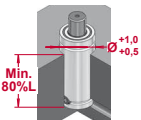
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CW 750 010 V1	10	0.39	52	2.05	42	1.65	740 1664 ±5% 150 bar 2175 psi at 20°C 68°F		1106	2486	15	0.9	0.38	0.84
CW 750 013 V1	13	0.51	58	2.28	45	1.77			1123	2525	19	1.1	0.40	0.88
CW 750 016 V1	16	0.63	64	2.52	48	1.89			1135	2551	23	1.4	0.42	0.93
CW 750 019 V1	19	0.75	70	2.76	51	2.01			1143	2571	26	1.6	0.44	0.97
CW 750 025 V1	25	0.98	82	3.23	57	2.24			1155	2596	34	2.1	0.47	1.04
CW 750 032 V1	32	1.26	96	3.78	64	2.52			1163	2615	43	2.6	0.52	1.15
CW 750 038 V1	38	1.50	108	4.25	70	2.76			1168	2626	51	3.1	0.55	1.21
CW 750 050 V1	50	1.97	132	5.20	82	3.23			1174	2640	66	4.0	0.63	1.39
CW 750 063 V1	63	2.48	158	6.22	95	3.74			1179	2649	83	5.1	0.71	1.57
CW 750 075 V1	75	2.95	182	7.17	107	4.21			1181	2655	99	6.0	0.78	1.72
CW 750 080 V1	80	3.15	192	7.56	112	4.41			1182	2657	105	6.4	0.82	1.81
CW 750 100 V1	100	3.94	232	9.13	132	5.20			1185	2663	131	8.0	0.94	2.07
CW 750 125 V1	125	4.92	282	11.10	157	6.18			1187	2668	163	9.9	1.10	2.43

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 750 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2538E150B

  								
MODEL		CW 750 CWC 750 KZ 750		CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250	

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-045  A34-045 	B21-045  B76-045 	C05-045  C20-045 	D02-045  D67-045 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper





HOW TO ORDER

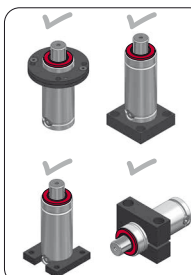
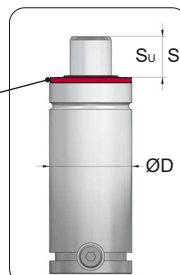
CW 750 050 V1 25 45

CW 750 050 V1 + PW 025 045

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover






HOW TO ORDER

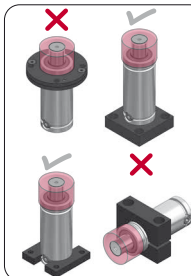
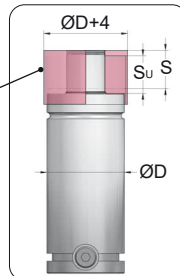
CW 750 050 V1 25 45 50

CW 750 050 V1 + PC 025 045 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.

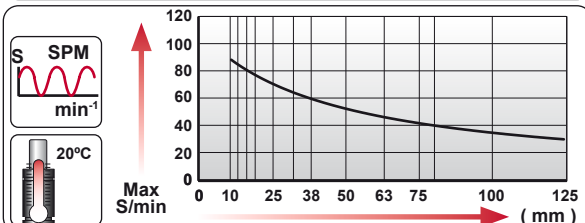
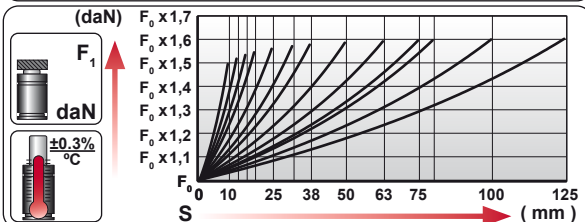
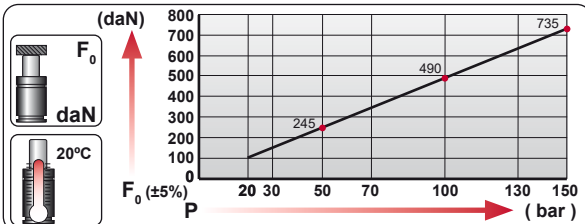
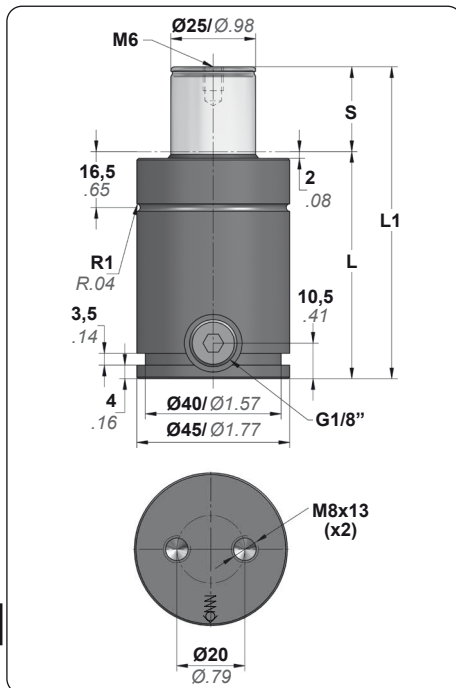


Protective Cover



CWC 750 V2

Compact Height

**AZOL
GAS****VDI
SAFETY****STANDARDS**

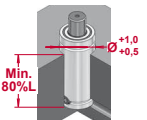
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CWC 750 010 V2	10	0.39	62	2.44	52	2.05	740 1664 ±5% 150 bar 2175 psi at 20°C 68°F		1106	2486	15	0.9	0.49	1.08
CWC 750 013 V2	13	0.51	68	2.68	55	2.17			1123	2525	19	1.1	0.50	1.10
CWC 750 016 V2	16	0.63	74	2.91	58	2.28			1135	2551	23	1.4	0.52	1.15
CWC 750 019 V2	19	0.75	80	3.15	61	2.40			1143	2571	26	1.6	0.54	1.19
CWC 750 025 V2	25	0.98	92	3.62	67	2.64			1155	2596	34	2.1	0.58	1.28
CWC 750 032 V2	32	1.26	106	4.17	74	2.91			1163	2615	43	2.6	0.62	1.37
CWC 750 038 V2	38	1.50	118	4.65	80	3.15			1168	2626	51	3.1	0.66	1.46
CWC 750 050 V2	50	1.97	142	5.59	92	3.62			1174	2640	66	4.0	0.74	1.63
CWC 750 063 V2	63	2.48	168	6.61	105	4.13			1179	2649	83	5.1	0.82	1.81
CWC 750 075 V2	75	2.95	192	7.56	117	4.61			1181	2655	99	6.0	0.89	1.96
CWC 750 080 V2	80	3.15	202	7.95	122	4.80			1182	2657	105	6.4	0.92	2.03
CWC 750 100 V2	100	3.94	242	9.53	142	5.59			1185	2663	131	8.0	1.05	2.31
CWC 750 125 V2	125	4.92	292	11.50	167	6.57			1187	2668	163	9.9	1.20	2.65

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 150 bar 290 psi 2175 psi		Tmin Tmax 0°C 80°C 32°F 176°F		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Force variation by temperature	±0,3% / °C		Connection		Cardridge Kit	CWC-H 750 XXX V2
	Vmax	1,6 m/s								2538E150B

  								
MODEL		CW 750 CWC 750 KZ 750		CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250	

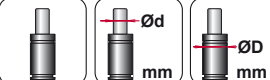
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-045  A34-045 	B21-045  B76-045 	C05-045  C20-045 	D02-045  D67-045 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

HOW TO ORDER

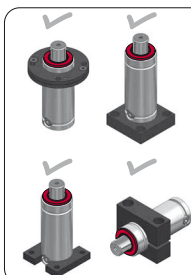
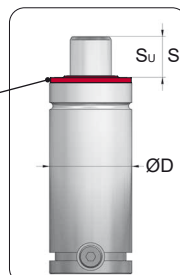
CWC 750 050 V2 **25** **45**

CWC 750 050 V2 + PW 025 045

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover




HOW TO ORDER

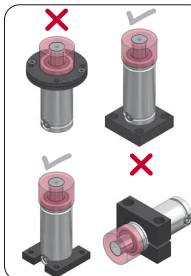
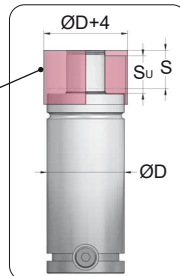
CWC 750 050 V2 **25** **45** **50**

CWC 750 050 V2 + PC 025 045 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



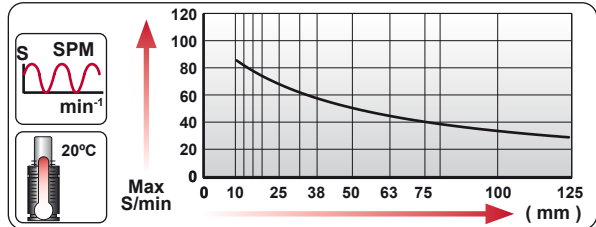
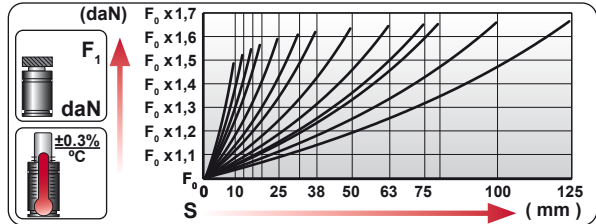
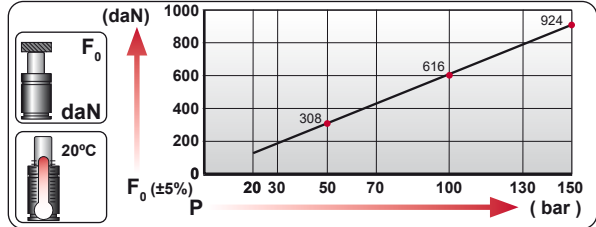
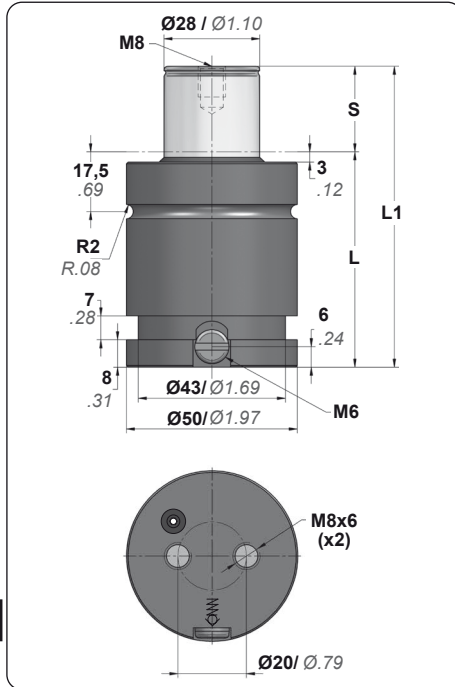
Protective Cover



CW 1000 V2

Compact Height

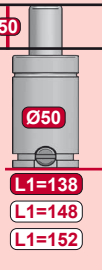
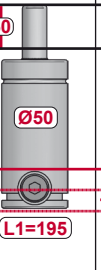
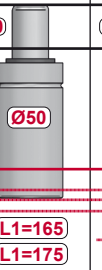
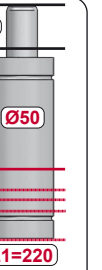
BMW B2 4005	FORD W-DX35-6204	PSA E24.54.815.G
MB B8 3180 220 000 004	GM 90.25.08	
VW 39D 997		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

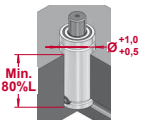
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb.
CW 1000 010 V2	10	0.39	58	2.28	48	1.89	920	2068	1404	3156	18	1.1	0.53	1.17
CW 1000 013 V2	13	0.51	64	2.52	51	2.01			1432	3219	22	1.4	0.56	1.23
CW 1000 016 V2	16	0.63	70	2.76	54	2.13			1451	3261	27	1.6	0.58	1.28
CW 1000 019 V2	19	0.75	76	2.99	57	2.24			1465	3293	31	1.9	0.61	1.34
CW 1000 025 V2	25	0.98	88	3.46	63	2.48			1483	3335	41	2.5	0.66	1.46
CW 1000 032 V2	32	1.26	102	4.02	70	2.76			1497	3366	51	3.1	0.72	1.59
CW 1000 038 V2	38	1.50	114	4.49	76	2.99			1505	3384	60	3.7	0.77	1.70
CW 1000 050 V2	50	1.97	138	5.43	88	3.46			1516	3408	78	4.8	0.87	1.92
CW 1000 063 V2	63	2.48	164	6.46	101	3.98			1523	3424	98	6.0	0.98	2.16
CW 1000 075 V2	75	2.95	188	7.40	113	4.45			1528	3435	116	7.1	1.08	2.38
CW 1000 080 V2	80	3.15	198	7.80	118	4.65			1529	3438	124	7.5	1.12	2.47
CW 1000 100 V2	100	3.94	238	9.37	138	5.43			1534	3448	154	9.4	1.29	2.84
CW 1000 125 V2	125	4.92	288	11.34	163	6.42			1538	3456	192	11.7	1.50	3.31

TECHNICAL DATA

	Fluid	N ₂		20 bar 290 psi	150 bar 2175 psi		06 CG 2-Q
	Smax	< 90%		0 °C 32 °F	80 °C 176 °F		CW-H 1000 XXX V2
	Vmax	1,6 m/s		±0,3% / °C			2840K169B

								
mm	mm	mm	50 Ø50 L1=138 L1=148 L1=152	50 Ø50 L1=138 L1=150 L1=150	50 Ø50 L1=170 L1=185 L1=195	50 Ø50 L1=195	50 Ø50 L1=165 L1=175	50 Ø50 L1=220
MODEL			CW 1000 CWC 1000 KZ/KT 1000	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  A34-050 	B21-050  B76-050 	C05-050  C20-050 	D02-050  D67-050 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

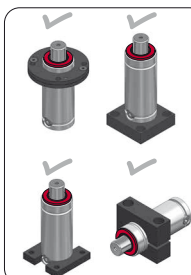
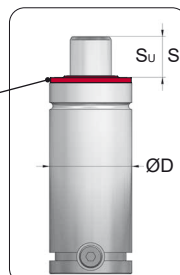
CW 1000 050 V2 28 50

CW 1000 050 V2 + PW 028 050

PW does not involve any variation of the dimensions of the gas spring.
The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

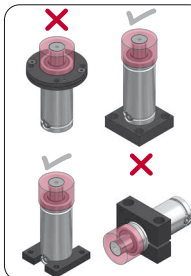
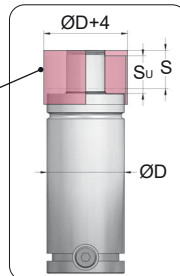
CW 1000 050 V2 28 50 50

CW 1000 050 V2 + PC 028 050 050

The body diameter (ØD) increases to the size of (ØPC).
PC can be used with mounts B and C, but not with mounts type A and D.

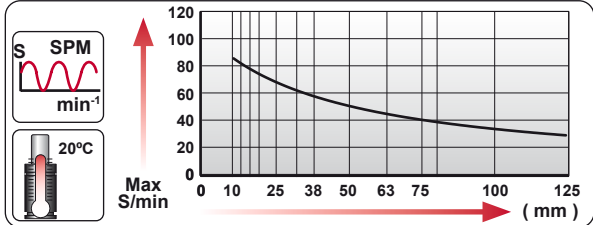
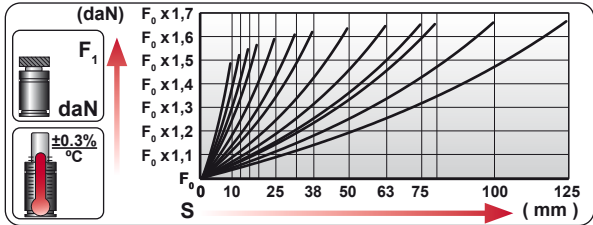
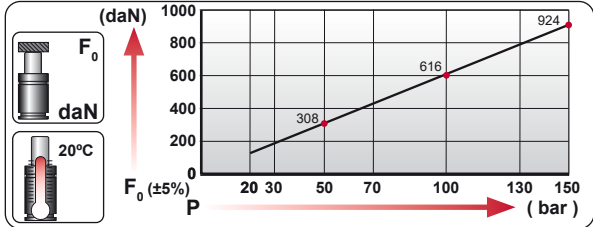
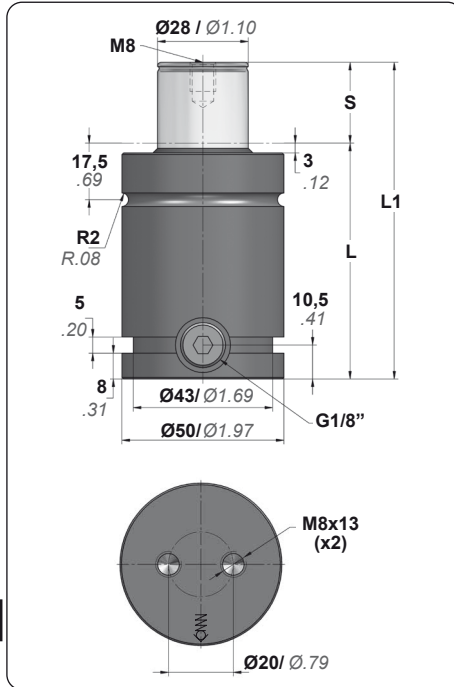


Protective Cover



CWC 1000 V2

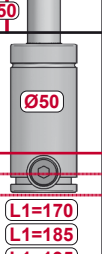
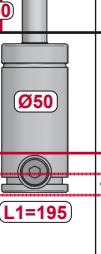
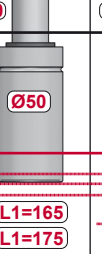
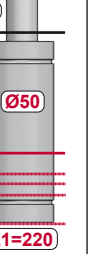
Compact Height

**AZOL
GAS****VDI
SAFETY****STANDARS**

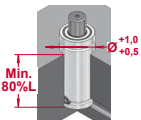
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb.
CWC 1000 010 V2	10	0.39	68	2.68	58	2.28	920	2068	1343	3020	20	1.2	0.73	1.61
CWC 1000 013 V2	13	0.51	74	2.91	61	2.40			1368	3075	24	1.5	0.75	1.65
CWC 1000 016 V2	16	0.63	80	3.15	64	2.52			1384	3112	29	1.8	0.78	1.72
CWC 1000 019 V2	19	0.75	86	3.39	67	2.64			1396	3139	34	2.1	0.80	1.76
CWC 1000 025 V2	25	0.98	98	3.86	73	2.87	±5% 150 bar 2175 psi at 20°C 68°F		1413	3176	44	2.7	0.85	1.87
CWC 1000 032 V2	32	1.26	112	4.41	80	3.15			1425	3203	56	3.4	0.91	2.01
CWC 1000 038 V2	38	1.50	124	4.88	86	3.39			1432	3219	65	4.0	0.96	2.12
CWC 1000 050 V2	50	1.97	148	5.83	98	3.86			1441	3240	85	5.2	1.06	2.34
CWC 1000 063 V2	63	2.48	174	6.85	111	4.37			1447	3254	106	6.5	1.17	2.58
CWC 1000 075 V2	75	2.95	198	7.80	123	4.84			1451	3263	126	7.7	1.27	2.80
CWC 1000 080 V2	80	3.15	208	8.19	128	5.04			1453	3266	134	8.2	1.31	2.89
CWC 1000 100 V2	100	3.94	248	9.76	148	5.83			1457	3275	167	10.2	1.48	3.26
CWC 1000 125 V2	125	4.92	298	11.73	173	6.81			1460	3282	208	12.7	1.69	3.73

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CWC-H 1000 XXX V2
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2840K169B

								
			Ø50 L1=138 L1=148 L1=152	Ø50 L1=138 L1=150 L1=150	Ø50 L1=170 L1=185 L1=195	Ø50 L1=195	Ø50 L1=165 L1=175	Ø50 L1=220
MODEL			CW 1000 CWC 1000 KZ/KT 1000	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  A34-050 	B21-050  B76-050 	C05-050  C20-050 	D02-050  D67-050 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

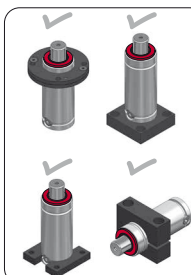
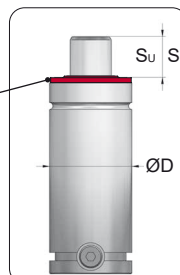
CWC 1000 050 V2  **28**  **50** 

CWC 1000 050 V2 + PW 028 050

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

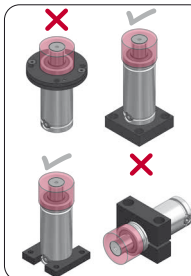
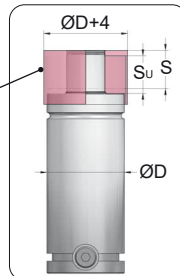
CWC 1000 050 V2  **28**  **50**  **50** 

CWC 1000 050 V2 + PC 028 050 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



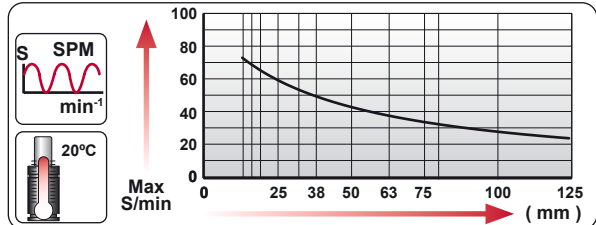
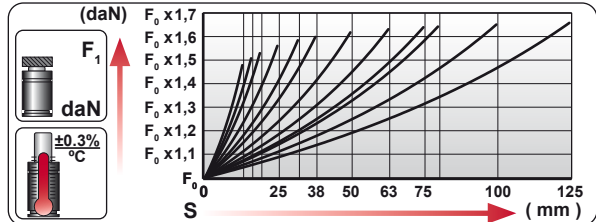
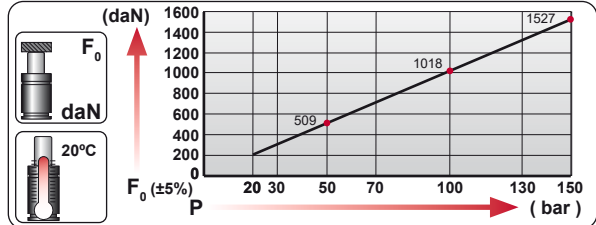
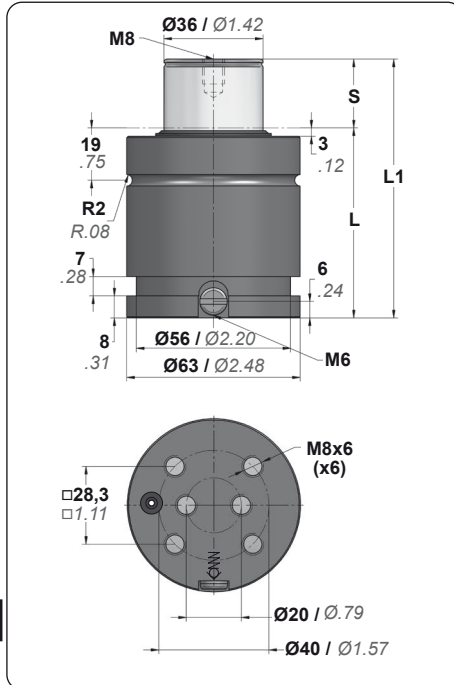
Protective Cover



CW 1500 V1

Compact Height

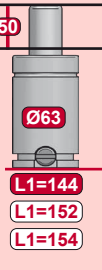
BMW B2 4005	FORD W-DX35-6204
MB B8 3180 220 000 004	
VW 39D 997	

**AZOL
GAS****VDI
SAFETY****STANDARDS**

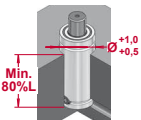
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 1500 013 V1	13	0.51	70	2.76	57	2.24	1530 3440 ±5% 150 bar 2175 psi at 20°C 68°F		2315	5205	39	2.4	0.99	2.18
CW 1500 016 V1	16	0.63	76	2.99	60	2.36			2355	5293	47	2.8	1.03	2.27
CW 1500 019 V1	19	0.75	82	3.23	63	2.48			2384	5359	54	3.3	1.07	2.36
CW 1500 025 V1	25	0.98	94	3.70	69	2.72			2425	5451	69	4.2	1.15	2.54
CW 1500 032 V1	32	1.26	108	4.25	76	2.99			2455	5520	86	5.3	1.24	2.73
CW 1500 038 V1	38	1.50	120	4.72	82	3.23			2474	5561	101	6.2	1.31	2.89
CW 1500 050 V1	50	1.97	144	5.67	94	3.70			2498	5616	131	8.0	1.47	3.24
CW 1500 063 V1	63	2.48	170	6.69	107	4.21			2515	5653	164	10.0	1.63	3.59
CW 1500 075 V1	75	2.95	194	7.64	119	4.69			2525	5677	194	11.8	1.79	3.95
CW 1500 080 V1	80	3.15	204	8.03	124	4.88			2529	5684	206	12.6	1.85	4.08
CW 1500 100 V1	100	3.94	244	9.61	144	5.67			2539	5708	256	15.6	2.11	4.65
CW 1500 125 V1	125	4.92	294	11.57	169	6.65			2548	5728	318	19.4	2.43	5.36

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 1500 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3651L210A

							
mm	mm	mm	50 Ø63 L1=144 L1=152 L1=154	50 Ø63 L1=152 L1=160	50 Ø63 L1=185 L1=195	50 Ø63 L1=175 L1=190	50 Ø63 L1=205
MODEL			CW 1500 KZ/KT 1500 CWC 1500	CT 1500 CK 1500	CM 1500 CD 1500	CPH 2800 CP 3000	CS 3000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  A69-063 	B21-063  B76-063 	C05-063  C35-063 	D02-063  D67-063 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

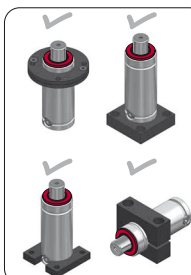
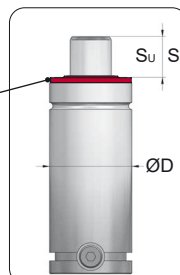
CW 1500 050 V1 36 63

CW 1500 050 V1 + PW 036 063

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

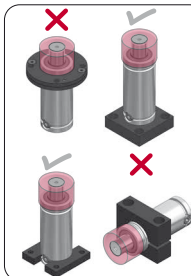
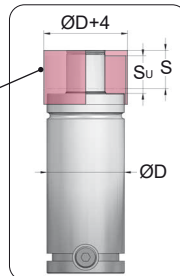
CW 1500 050 V1 36 63 50

CW 1500 050 V1 + PC 036 063 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.

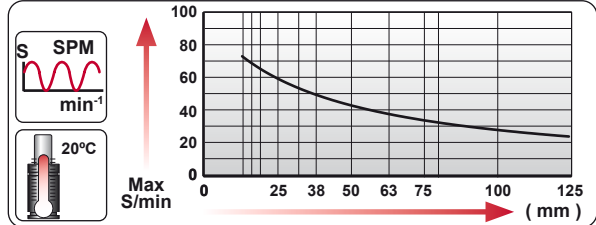
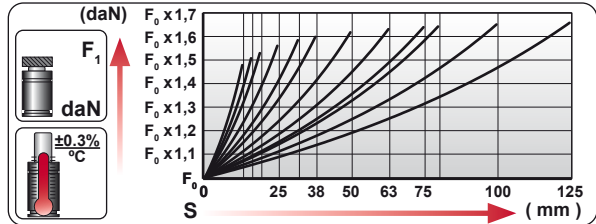
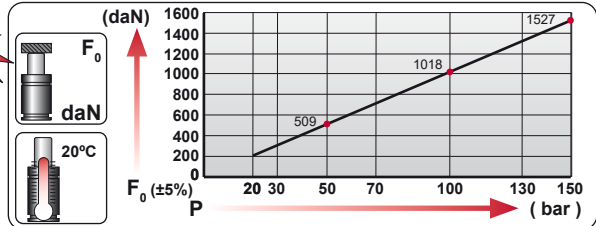
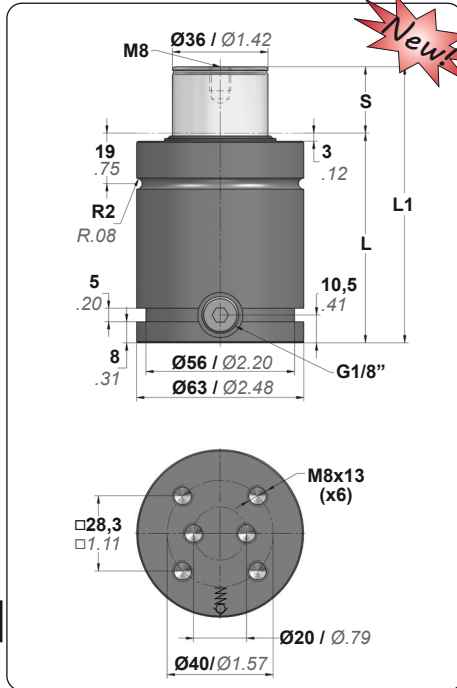


Protective Cover



CWC 1500 V1

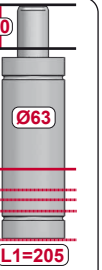
Compact Height

**AZOL
GAS****VDI
SAFETY****STANDARDS**

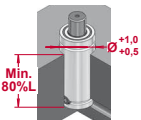
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CWC 1500 013 V1	13	0.51	80	3.15	67	2.64	1530 ±5% 150 bar 2175 psi at 20°C 68°F	3440	2315	5205	39	2.4	1.23	2.71
CWC 1500 016 V1	16	0.63	86	3.39	70	2.76			2355	5293	47	2.8	1.27	2.80
CWC 1500 019 V1	19	0.75	92	3.62	73	2.87			2384	5359	54	3.3	1.31	2.89
CWC 1500 025 V1	25	0.98	104	4.09	79	3.11			2425	5451	69	4.2	1.38	3.04
CWC 1500 032 V1	32	1.26	118	4.65	86	3.39			2455	5520	86	5.3	1.47	3.24
CWC 1500 038 V1	38	1.50	130	5.12	92	3.62			2474	5561	101	6.2	1.55	3.42
CWC 1500 050 V1	50	1.97	154	6.06	104	4.09			2498	5616	131	8.0	1.70	3.75
CWC 1500 063 V1	63	2.48	180	7.09	117	4.61			2515	5653	164	10.0	1.87	4.12
CWC 1500 075 V1	75	2.95	204	8.03	129	5.08			2525	5677	194	11.8	2.03	4.48
CWC 1500 080 V1	80	3.15	214	8.43	134	5.28			2529	5684	206	12.6	2.09	4.61
CWC 1500 100 V1	100	3.94	254	10.00	154	6.06			2539	5708	256	15.6	2.35	5.18
CWC 1500 125 V1	125	4.92	304	11.97	179	7.05			2548	5728	318	19.4	2.67	5.89

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CWC-H 1500 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3651L210A

							
			50	50	50	50	50
			Ø63	Ø63	Ø63	Ø63	Ø63
			L1=144	L1=152	L1=185	L1=175	L1=205
			L1=152	L1=160	L1=195	L1=190	
			L1=154				
MODEL			CW 1500 KZ/CT 1500 CWC 1500	CT 1500 CK 1500	CM 1500 CD 1500	CPH 2800 CP 3000	CS 3000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  A69-063 	B21-075  B76-075 	C05-063  C35-063 	D02-063  D67-063 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

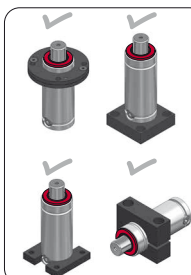
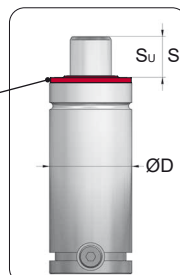
CWC 1500 050 V1 36 63

CWC 1500 050 V1 + PW 036 063

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

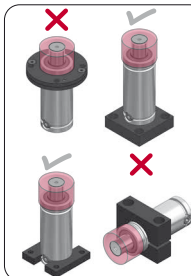
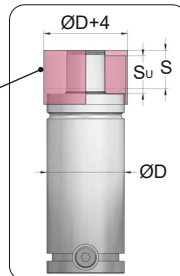
CWC 1500 050 V1 36 63 50

CWC 1500 050 V1 + PC 036 063 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



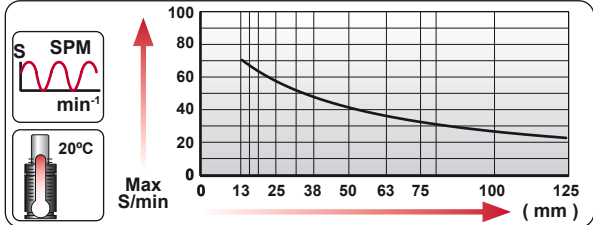
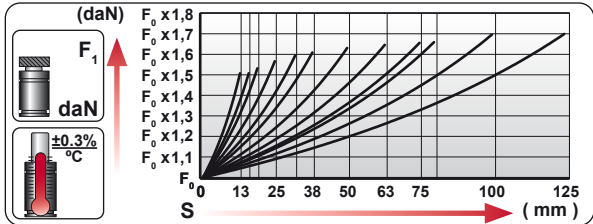
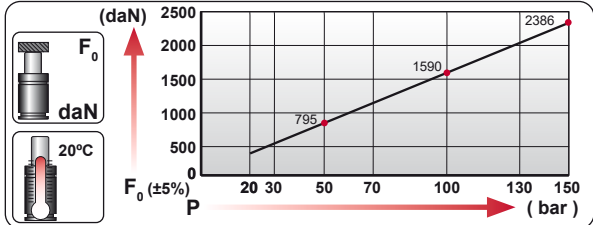
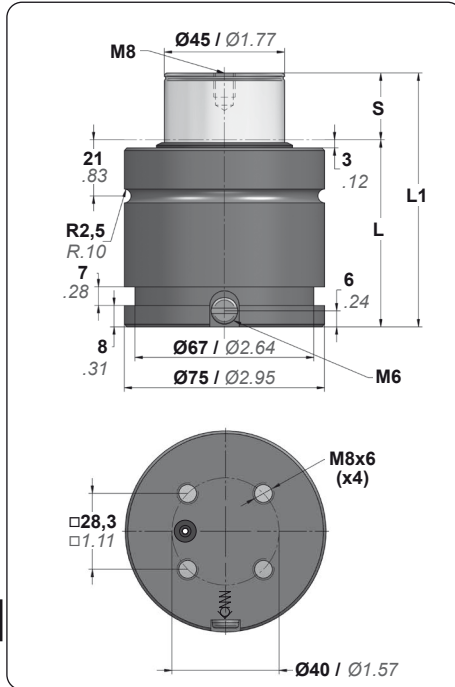
Protective Cover



CW 2400 V1

Compact Height

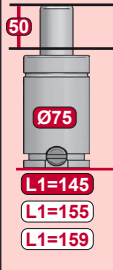
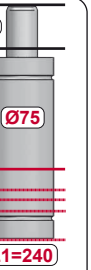
BMW B2 4005	FORD W-DX35-6204	PSA E24.54.815.G
MB B8 3180 220 000 004	GM 90.25.08	
VW 39D 997		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

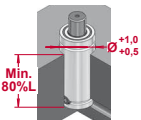
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CW 2400 013 V1	13	0.51	71	2.80	58	2.28	2385 ±5% 150 bar 2175 psi at 20°C 68°F	5362	3592	8075	62	3.8	1.41	3.11
CW 2400 016 V1	16	0.63	77	3.03	61	2.40			3661	8230	73	4.5	1.46	3.22
CW 2400 019 V1	19	0.75	83	3.27	64	2.52			3713	8347	84	5.2	1.51	3.33
CW 2400 025 V1	25	0.98	95	3.74	70	2.76			3786	8512	107	6.6	1.62	3.57
CW 2400 032 V1	32	1.26	109	4.29	77	3.03			3842	8637	134	8.2	1.74	3.84
CW 2400 038 V1	38	1.50	121	4.76	83	3.27			3876	8713	157	9.6	1.84	4.06
CW 2400 050 V1	50	1.97	145	5.71	95	3.74			3921	8814	203	12.4	2.05	4.52
CW 2400 063 V1	63	2.48	171	6.73	108	4.25			3952	8883	253	15.4	2.27	5.00
CW 2400 075 V1	75	2.95	195	7.68	120	4.72			3971	8928	299	18.2	2.47	5.45
CW 2400 080 V1	80	3.15	205	8.07	125	4.92			3978	8942	318	19.4	2.56	5.64
CW 2400 100 V1	100	3.94	245	9.65	145	5.71			3998	8987	394	24.1	2.90	6.39
CW 2400 125 V1	125	4.92	295	11.61	170	6.69			4014	9024	490	29.9	3.33	7.34

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 2400 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	4563L245A

								
MODEL			CW 2400 CWC 2400 KZ/KT 2400	CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-075  A34-075 	B21-075  B76-075 	C05-075  C20-075 	D02-075  D67-075 

PROTECTION OPTIONS

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PW Protective Wiper



HOW TO ORDER

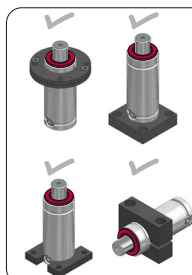
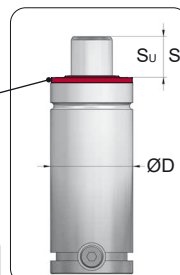
CW 2400 050 V1 45 75

CW 2400 050 V1 + PW 045 075

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

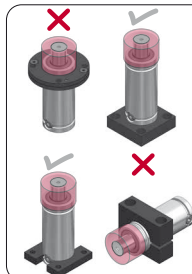
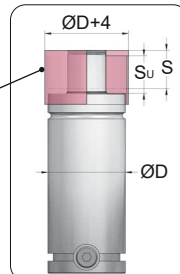
CW 2400 050 V1 45 75 50

CW 2400 050 V1 + PC 045 075 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.

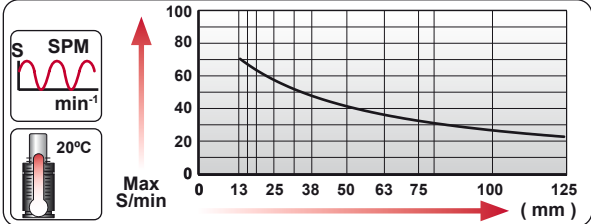
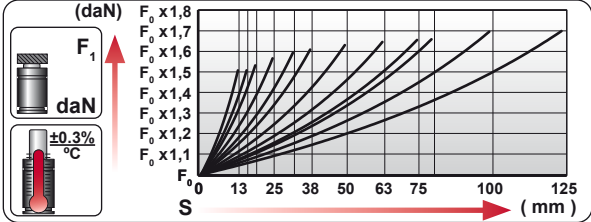
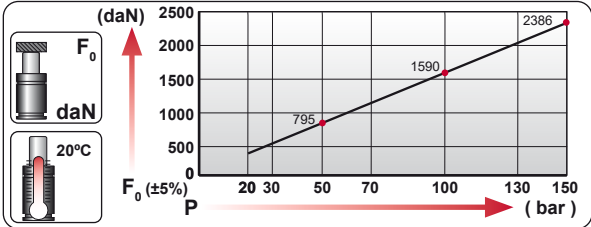
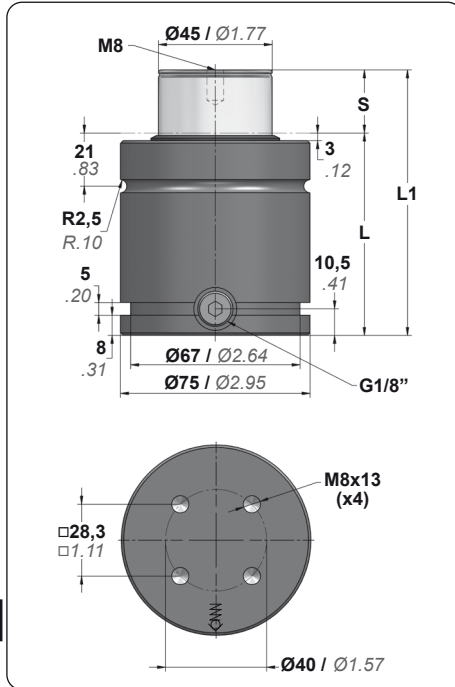


Protective Cover



CWC 2400 V2

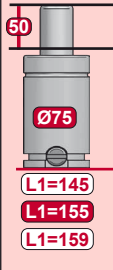
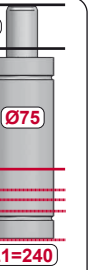
Compact Height

**AZOL
GAS****VDI
SAFETY****STANDARS**

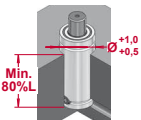
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CWC 2400 013 V2	13	0.51	81	3.19	68	2.68	2385	5362	3592	8075	62	3.8	1.73	3.81
CWC 2400 016 V2	16	0.63	87	3.43	71	2.80			3661	8230	73	4.5	1.78	3.92
CWC 2400 019 V2	19	0.75	93	3.66	74	2.91			3713	8347	84	5.2	1.84	4.06
CWC 2400 025 V2	25	0.98	105	4.13	80	3.15			3786	8512	107	6.6	1.94	4.28
CWC 2400 032 V2	32	1.26	119	4.69	87	3.43			3842	8637	134	8.2	2.06	4.54
CWC 2400 038 V2	38	1.50	131	5.16	93	3.66			3876	8713	157	9.6	2.16	4.76
CWC 2400 050 V2	50	1.97	155	6.10	105	4.13			3921	8814	203	12.4	2.37	5.22
CWC 2400 063 V2	63	2.48	181	7.13	118	4.65			3952	8883	253	15.4	2.59	5.71
CWC 2400 075 V2	75	2.95	205	8.07	130	5.12			3971	8928	299	18.2	2.80	6.17
CWC 2400 080 V2	80	3.15	215	8.46	135	5.31			3978	8942	318	19.4	2.88	6.35
CWC 2400 100 V2	100	3.94	255	10.04	155	6.10			3998	8987	394	24.1	3.22	7.10
CWC 2400 125 V2	125	4.92	305	12.01	180	7.09			4014	9024	490	29.9	3.65	8.05

TECHNICAL DATA

 Fluid Smax Vmax	N ₂	 Pmin Pmax 20°C / 68°F Tmin Tmax	20 bar 290 psi 150 bar 2175 psi 0 °C 32 °F 80 °C 176 °F	 Charging Adapter Connection Cardridge Kit	18 CG 1-Q CWC-H 2400 XXX V2 4563L245A
	< 90%		±0,3% / °C		
	1,6 m/s				

								
mm	mm	mm	50 Ø75 L1=145 L1=155 L1=159	50 Ø75 L1=154 L1=160 L1=160	50 Ø75 L1=185 L1=195 L1=210	50 Ø75 L1=210	50 Ø75 L1=175 L1=200	50 Ø75 L1=240
MODEL			CW 2400 CWC 2400 KZ/KT 2400	CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-075  A34-075 	B21-075  B76-075 	C05-075  C20-075 	D02-075  D67-075 

PROTECTION OPTIONS

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PW Protective Wiper



HOW TO ORDER

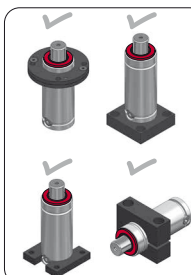
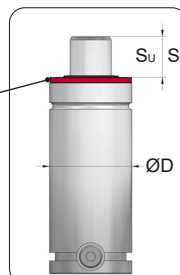
CWC 2400 050 V2 45 75

CWC 2400 050 V2 + PW 045 075

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

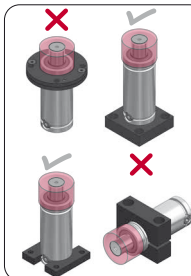
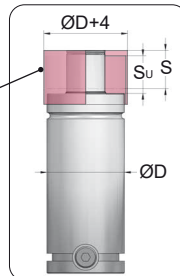
CWC 2400 050 V2 45 75 50

CWC 2400 050 V2 + PC 045 075 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



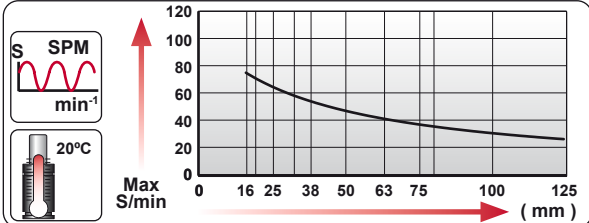
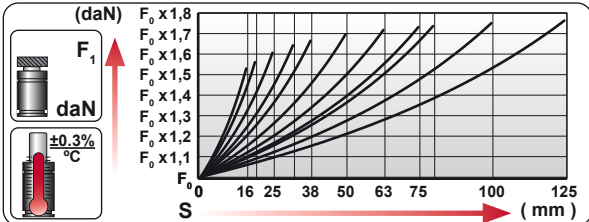
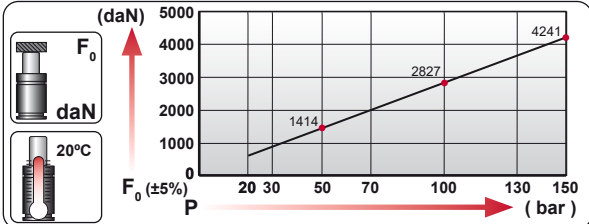
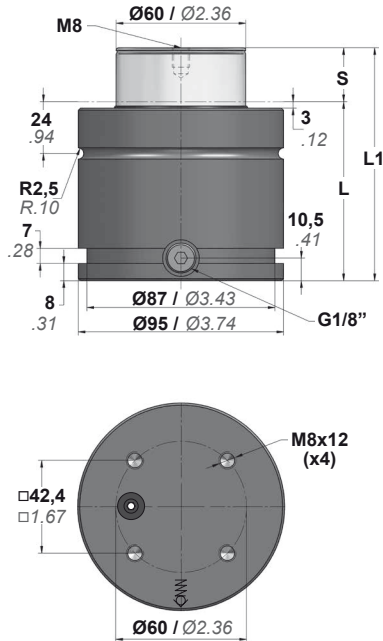
Protective Cover



CW 4200 V1

Compact Height

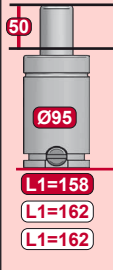
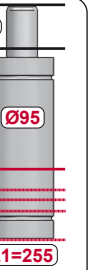
BMW B2 4005	FORD W-DX35-6204	PSA E24.54.815.G
MB B8 3180 220 000 004	GM 90.25.08	
VW 39D 997		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

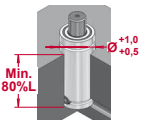
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 4200 016 V1	16	0.63	90	3.54	74	2.91	4240	9532	6625	14894	126	7.7	3.03	6.68
CW 4200 019 V1	19	0.75	96	3.78	77	3.03			6749	15172	145	8.8	3.11	6.86
CW 4200 025 V1	25	0.98	108	4.25	83	3.27	±5% 150 bar 2175 psi at 20°C 68°F		6927	15573	182	11.1	3.29	7.25
CW 4200 032 V1	32	1.26	122	4.80	90	3.54			7067	15886	226	13.8	3.49	7.69
CW 4200 038 V1	38	1.50	134	5.28	96	3.78			7152	16078	264	16.1	3.66	8.07
CW 4200 050 V1	50	1.97	158	6.22	108	4.25			7269	16340	339	20.7	4.00	8.82
CW 4200 063 V1	63	2.48	184	7.24	121	4.76			7350	16524	421	25.7	4.37	9.63
CW 4200 075 V1	75	2.95	208	8.19	133	5.24			7402	16641	496	30.3	4.71	10.38
CW 4200 080 V1	80	3.15	218	8.58	138	5.43			7420	16681	528	32.2	4.85	10.69
CW 4200 100 V1	100	3.94	258	10.16	158	6.22	7474	16802	653	39.9	5.42	11.95		
CW 4200 125 V1	125	4.92	308	12.13	183	7.20	7518	16902	811	49.5	6.14	13.54		

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 4200 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	6080U275A

								
mm	mm	mm	50 Ø95 L1=158 L1=162 L1=162	50 Ø95 L1=170 L1=170	50 Ø95 L1=195 L1=205 L1=220	50 Ø95 L1=220	50 Ø95 L1=215	50 Ø95 L1=255
MODEL			CW 4200 KZ 4200 KT 4200	CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-095  A34-095 	B21-095  B76-095 	C05-095  C20-095 	D02-095  D67-095 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

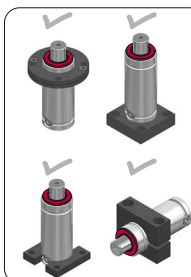
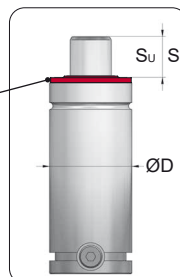
CW 4200 050 V1 60 95

CW 4200 050 V1 + PW 060 095

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

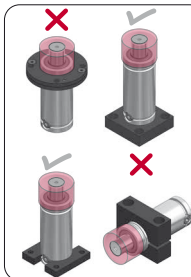
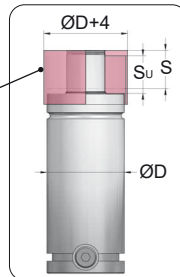
CW 4200 050 V1 60 95 50

CW 4200 050 V1 + PC 060 095 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.

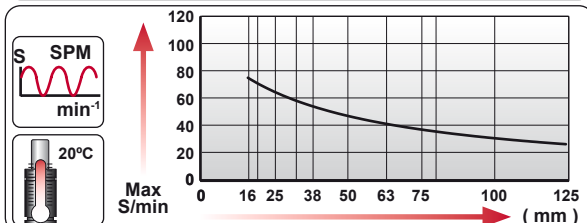


Protective Cover



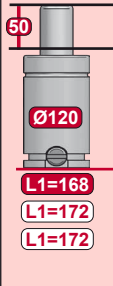
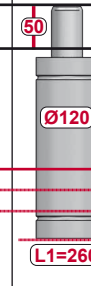
Compact Height

AZOL 
GAS

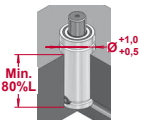


ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 6600 016	16	0.63	100	3.94	84	3.31	6630	14905	9577	21529	230	14.0	5.51	12.15
CW 6600 019	19	0.75	106	4.17	87	3.43			9806	22044	259	15.8	5.65	12.46
CW 6600 025	25	0.98	118	4.65	93	3.66			10157	22833	318	19.4	5.93	13.07
CW 6600 032	32	1.26	132	5.20	100	3.94		±5%	10449	23490	387	23.6	6.26	13.80
CW 6600 038	38	1.50	144	5.67	106	4.17			10636	23911	446	27.2	6.53	14.40
CW 6600 050	50	1.97	168	6.61	118	4.65			10904	24514	564	34.4	7.09	15.63
CW 6600 063	63	2.48	194	7.64	131	5.16		150 bar 2175 psi at 20°C 68°F	11100	24954	691	42.2	7.69	16.95
CW 6600 075	75	2.95	218	8.58	143	5.63			11229	25245	809	49.4	8.25	18.19
CW 6600 080	80	3.15	228	8.98	148	5.83			11274	25344	858	52.4	8.48	18.70
CW 6600 100	100	3.94	268	10.55	168	6.61			11411	25654	1054	64.3	9.41	20.75
CW 6600 125	125	4.92	318	12.52	193	7.60			11527	25915	1300	79.3	10.57	23.30

	Fluid	N ₂	 	Pmin Pmax 20°C / 68°F	20 bar 150 bar 290 psi 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%	 	Tmin Tmax	0 °C 80 °C 32 °F 176 °F		Connection	CW-H 6600 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C		Cardridge Kit	75A0W360A

							
MODEL			CW 6600 KZ 6600 KT 6600	FD 5000	GN 5000 CM 6500 CD 6600	AG 5000	CS 11800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B21-120  B76-120 	C05-120  C20-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

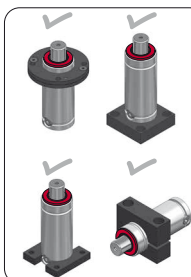
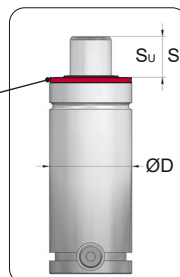
CW 6600 050 75 120

CW 6600 050 + PW 075 120

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



PC Protective Cover



HOW TO ORDER

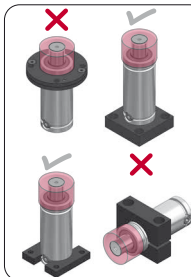
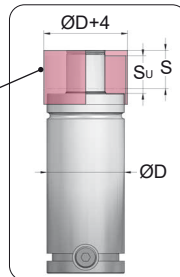
CW 6600 050 75 120 50

CW 6600 050 + PC 075 120 050

The body diameter (ØD) increases to the size of (ØPC). PC can be used with mounts B and C, but not with mounts type A and D.



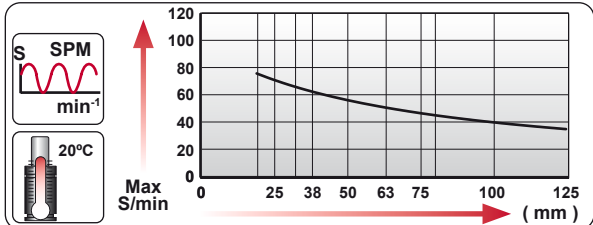
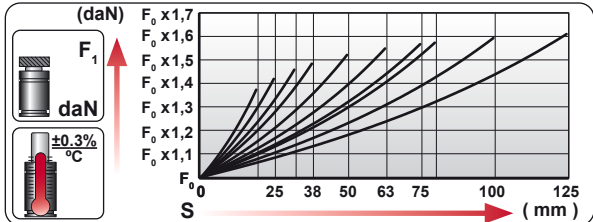
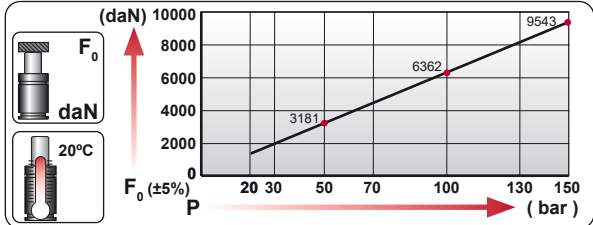
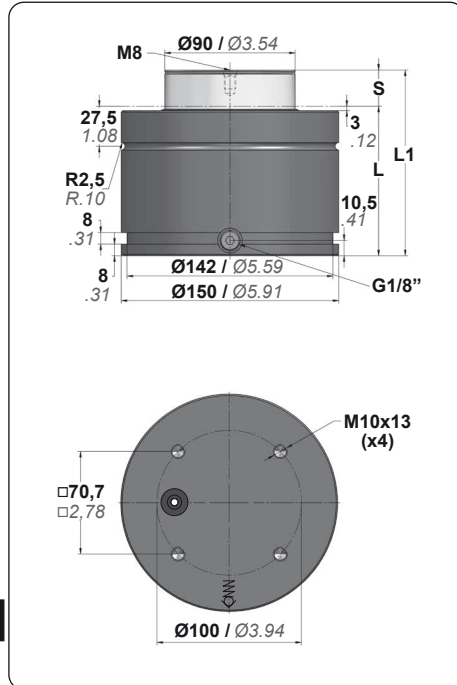
Protective Cover



CW 9500

Compact Height

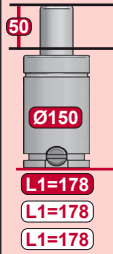
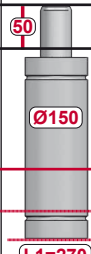
BMW B2 4005	FORD W-DX35-6204
MB B8 3180 220 000 004	GM 90.25.08
VW 39D 997	

**AZOL
GAS****VDI
SAFETY****STANDARS**

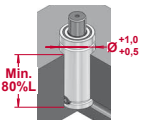
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 9500 019	19	0.75	116	4.57	97	3.82	9540 21447 ±5% 150 bar 2175 psi at 20°C 68°F		13263	29817	431	26.3	9.96	21.96
CW 9500 025	25	0.98	128	5.04	103	4.06			13696	30790	524	32.0	10.35	22.82
CW 9500 032	32	1.26	142	5.59	110	4.33			14060	31608	633	38.6	10.82	23.85
CW 9500 038	38	1.50	154	6.06	116	4.57			14295	32136	727	44.4	11.22	24.74
CW 9500 050	50	1.97	178	7.01	128	5.04			14633	32897	914	55.8	12.01	26.48
CW 9500 063	63	2.48	204	8.03	141	5.55			14882	33456	1117	68.1	12.87	28.37
CW 9500 075	75	2.95	228	8.98	153	6.02			15047	33828	1304	79.6	13.67	30.14
CW 9500 080	80	3.15	238	9.37	158	6.22			15104	33955	1382	84.3	14.00	30.86
CW 9500 100	100	3.94	278	10.94	178	7.01			15281	34352	1693	103.3	15.32	33.77
CW 9500 125	125	4.92	328	12.91	203	7.99			15430	34689	2083	127.1	16.98	37.43

TECHNICAL DATA

 Fluid N ₂	 Smax < 90%	 Vmax 1,6 m/s	 Pmin Pmax 20°C / 68°F Tmin Tmax 	 Force variation by temperature ±0,3% / °C	 20 bar 150 bar 290 psi 2175 psi 0 °C 80 °C 32 °F 176 °F	 Charging Adapter Connection Cardridge Kit	18 CG 1-Q CW-H 9500 XXX 90C5X380A

								
MODEL			CW 9500 CW 11800 KT 9500		GN 7500 CM 10000 CD 9600	AG 7500		CS 18300

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  A34-150 	B21-150  B76-150 	C05-150  C20-150 	D02-150  D67-150 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

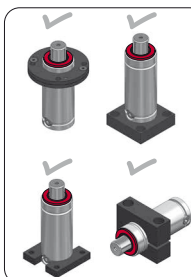
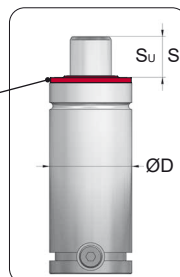
CW 9500 050 90 150

CW 9500 050 + PW 090 150



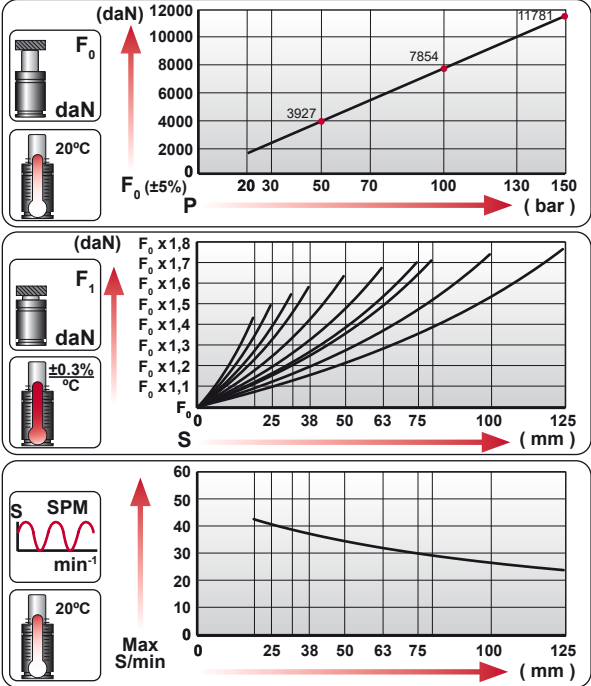
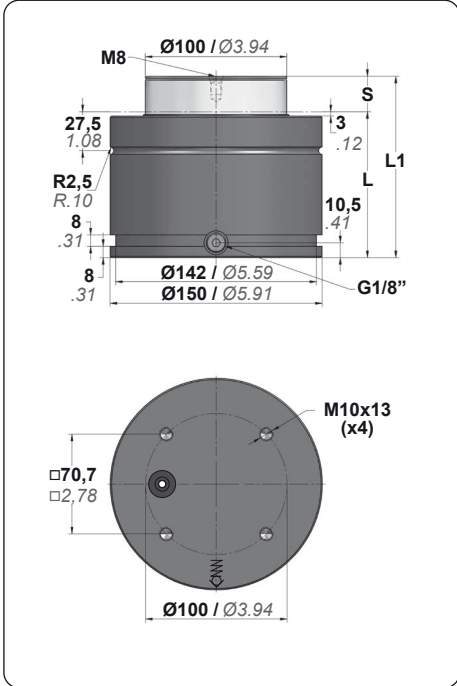


Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CW 11800
Compact Height

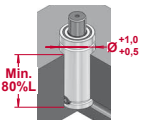


ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 11800 019	19	0.75	116	4.57	97	3.82	11780 ±5% 150 bar 2175 psi at 20°C 68°F	26482	17165	38589	476	29.0	9.89	21.80
CW 11800 025	25	0.98	128	5.04	103	4.06			17876	40186	576	35.1	10.31	22.73
CW 11800 032	32	1.26	142	5.59	110	4.33			18489	41565	693	42.3	10.79	23.79
CW 11800 038	38	1.50	154	6.06	116	4.57			18892	42472	793	48.4	11.21	24.71
CW 11800 050	50	1.97	178	7.01	128	5.04			19486	43805	993	60.6	12.04	26.54
CW 11800 063	63	2.48	204	8.03	141	5.55			19930	44804	1210	73.8	12.94	28.53
CW 11800 075	75	2.95	228	8.98	153	6.02			20229	45478	1410	86.1	13.78	30.38
CW 11800 080	80	3.15	238	9.37	158	6.22			20333	45710	1494	91.2	14.12	31.13
CW 11800 100	100	3.94	278	10.94	178	7.01			20658	46441	1828	111.5	15.51	34.19
CW 11800 125	125	4.92	328	12.91	203	7.99			20937	47067	2245	137.0	17.25	38.03

TECHNICAL DATA															
	Fluid	N ₂			Pmin 20°C / 68°F	Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi			Tmin 0 °C 32 °F	Tmax 80 °C 176 °F		Charging Adapter	18 CG 1-Q
	Smax	< 90%			Tmin	Tmax	0 °C 32 °F	80 °C 176 °F			Connection				CW-H 11800 XXX
	Vmax	1,6 m/s			Force variation by temperature		±0,3% / °C				Cardridge Kit				A0C5X380A

  							
MODEL	CW 9500 CW 11800 KT 9500			GN 7500 CM 10000 CD 9600	AG 7500		CS 18300

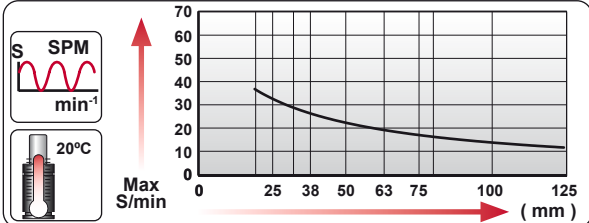
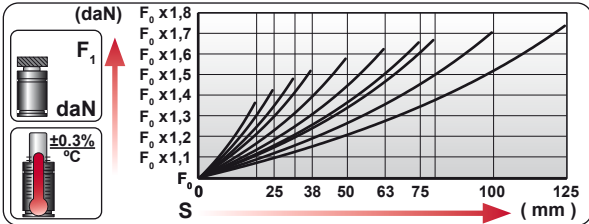
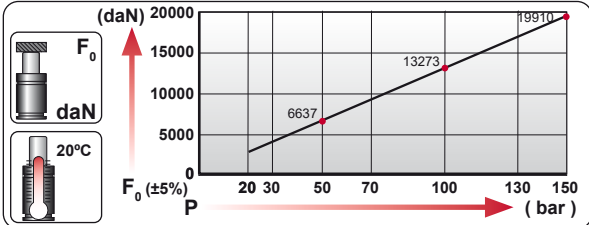
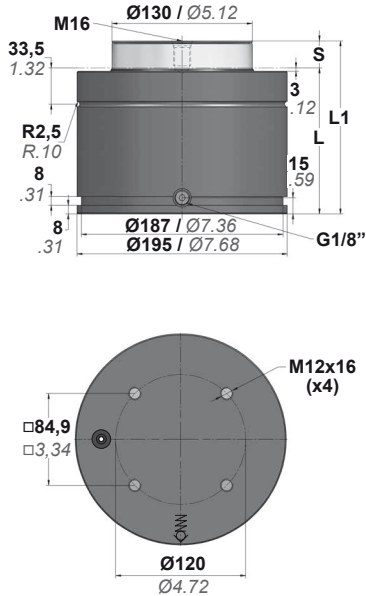
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  581 A34-150  583	B21-150  591 B76-150  595	C05-150  597 C20-150  599	D02-150  601 D67-150  603

CW 20000

Compact Height

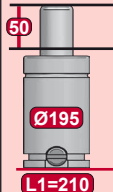
	GM	90.25.08

**AZOL
GAS****VDI
SAFETY****STANDARDS**

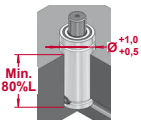
ORDER	S		L1 ±0.25		L		F0 Initial Force		F1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CW 20000 019	19	0.75	148	5.83	129	5.08	19910	44759	27148	61031	946	57.7	22.69	50.02
CW 20000 025	25	0.98	160	6.30	135	5.31			28360	63756	1114	68.0	23.40	51.59
CW 20000 032	32	1.26	174	6.85	142	5.59	±5% 150 bar 2175 psi at 20°C 68°F		29469	66249	1309	79.9	24.24	53.44
CW 20000 038	38	1.50	186	7.32	148	5.83			30233	67967	1477	90.1	24.95	55.00
CW 20000 050	50	1.97	210	8.27	160	6.30			31410	70612	1813	110.6	26.38	58.16
CW 20000 063	63	2.48	236	9.29	173	6.81			32335	72692	2176	132.8	27.93	61.57
CW 20000 075	75	2.95	260	10.24	185	7.28			32982	74147	2512	153.3	29.36	64.73
CW 20000 080	80	3.15	270	10.63	190	7.48			33210	74658	2652	161.8	29.96	66.05
CW 20000 100	100	3.94	310	12.20	210	8.27			33942	76304	3211	195.9	32.34	71.30
CW 20000 125	125	4.92	360	14.17	235	9.25			34588	77757	3910	238.6	35.32	77.87

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CW-H 20000 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	D0G0Y630A

								
								
								
MODEL		CW 20000			CD 18500	AG 10000		

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-195  A34-195 	B21-195  B76-195 	C05-195  C20-195 	D02-195 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

			
HOW TO ORDER			
CW 20000 050	130	195	
CW 20000 050 + PW 130 195			

PW does not involve any variation of the dimensions of the gas spring.
The useful stroke keeps the same as nominal stroke.



Protective Wiper

