

GAS SPRINGS



AZOL 
GAS



LOW PROFILE FD

- Medium size gas springs
- Medium range contact force (300-5000 daN)
- Ideal for stampers of small parts
- Used for cam return



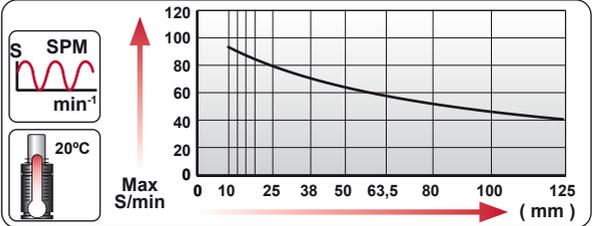
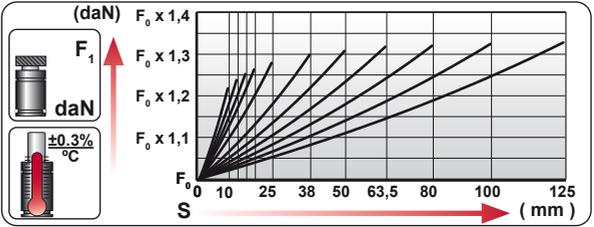
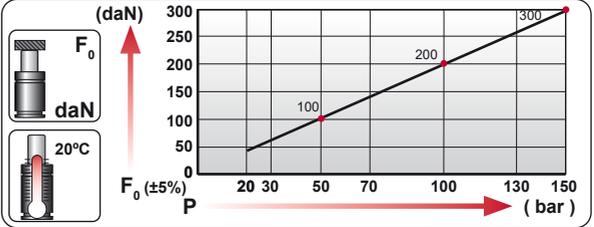
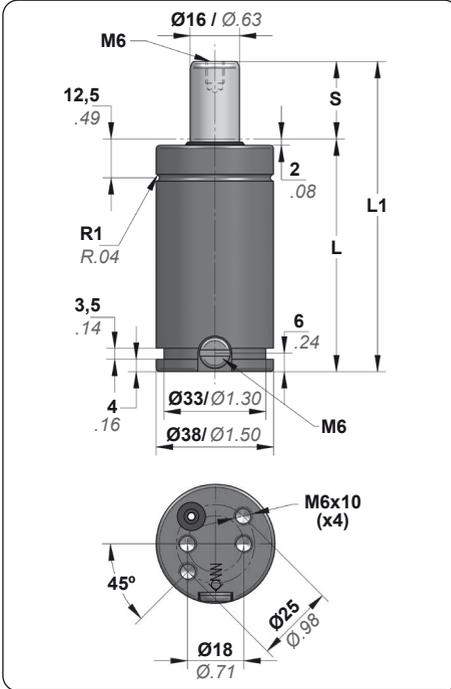
FD LOW PROFILE LARGE

MODEL	F ₀ daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
FD 300	300 674	Ø38 Ø1.50	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	150 2175	M6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FD 500	500 1124	Ø45 Ø1.77	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	150 2175	G1/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FD 750 V1	750 1686	Ø50 Ø1.97	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	150 2175	G1/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FD 1500 V2	1500 3372	Ø75 Ø2.95	25 - 125 0.98 - 4.92	110 - 310 4.33 - 12.20	150 2175	G1/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FD 3000	3000 6744	Ø95 Ø3.74	25 - 125 0.98 - 4.92	120 - 320 4.72 - 12.60	150 2175	G1/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FD 5000 V1	5000 11240	Ø120 Ø4.72	25 - 125 0.98 - 4.92	140 - 340 5.51 - 13.39	150 2175	G1/8"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	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		50	Ø50	L1=195
				50	Ø50		50	Ø50	L1=165 L1=175
				50	Ø50		50	Ø50	L1=220
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 	

FD 300

Low Profile



VDI SAFETY

- Safety symbol
- Maximum velocity symbol
- Maximum pressure symbol

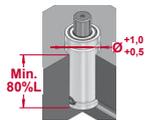
STANDARS

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
FD 300 010	10	0.39	70	2.76	60	2.36	300 ±5% 150 bar 2175 psi at 20°C 68°F	674	365	821	11	0.7	0.39	0.86
FD 300 013	13	0.51	76	2.99	63	2.48			371	835	14	0.8	0.40	0.88
FD 300 016	16	0.63	82	3.23	66	2.60			376	845	16	1.0	0.41	0.90
FD 300 019	19	0.75	88	3.46	69	2.72			379	852	18	1.1	0.43	0.95
FD 300 025	25	0.98	100	3.94	75	2.95			384	863	23	1.4	0.45	0.99
FD 300 038	38	1.50	126	4.96	88	3.46			390	876	33	2.0	0.51	1.12
FD 300 050	50	1.97	150	5.91	100	3.94			393	882	43	2.6	0.56	1.23
FD 300 063	63.5	2.50	177	6.97	113.5	4.47			395	887	53	3.2	0.62	1.37
FD 300 080	80	3.15	210	8.27	130	5.12			396	891	66	4.0	0.69	1.52
FD 300 100	100	3.94	250	9.84	150	5.91			398	894	82	5.0	0.77	1.70
FD 300 125	125	4.92	300	11.81	175	6.89			399	896	102	6.2	0.88	1.94

TECHNICAL DATA																
Fluid	N ₂		Pmin Pmax	20 bar 150 bar		20°C / 68°F		Tmin Tmax	0°C 80°C		32°F 176°F		Charging Adapter	06 CG 2-Q		
Smax	< 90%		Force variation by temperature		±0,3% / °C		Connection	FD-H 300 XXX			Cardridge Kit	1630B205B				

  	 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

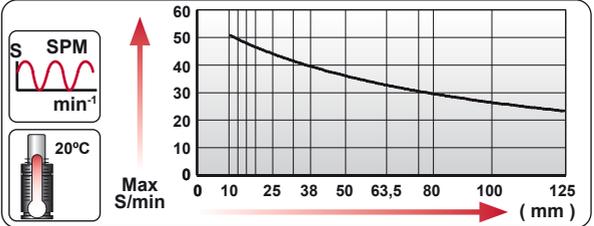
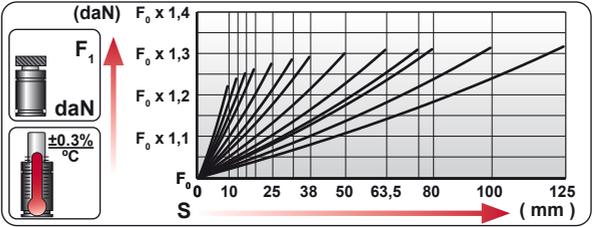
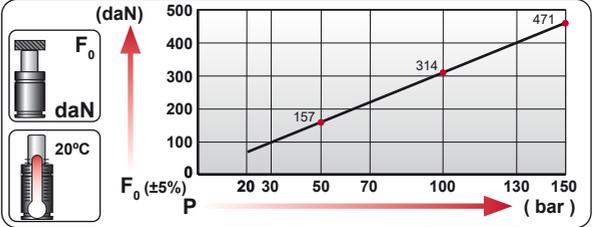
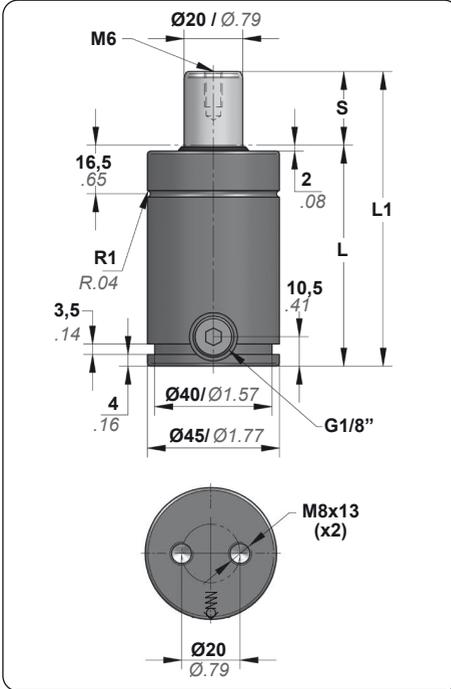
MOUNTING OPTIONS

	<p>Drop-in</p>  <p>Min. 80%L +1.0 Ø+0.5</p>	<p>Top Mount</p> 	<p>Base Mount</p> 	<p>Foot Mount</p> 	<p>Support Mount</p> 
HOW TO ORDER		A14-038  580 A34-038  582		C05-038  596	

FD 500

Low Profile

		RENAULT EM24.54.700
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VDI SAFETY

STANDARS

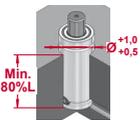
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.		Kg. / lb	
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³		
FD 500 010	10	0.39	70	2.76	60	2.36	470	1057	574	1290	17	1.1	0.54	1.19
FD 500 013	13	0.51	76	2.99	63	2.48			582	1309	21	1.3	0.56	1.23
FD 500 016	16	0.63	82	3.23	66	2.60			588	1323	25	1.5	0.57	1.26
FD 500 019	19	0.75	88	3.46	69	2.72			593	1333	29	1.8	0.59	1.30
FD 500 025	25	0.98	100	3.94	75	2.95			599	1348	36	2.2	0.62	1.37
FD 500 032	32	1.26	114	4.49	82	3.23			604	1359	45	2.8	0.65	1.43
FD 500 038	38	1.50	126	4.96	88	3.46			607	1365	53	3.2	0.68	1.50
FD 500 050	50	1.97	150	5.91	100	3.94			611	1374	68	4.2	0.74	1.63
FD 500 063	63.5	2.50	177	6.97	113.5	4.47			614	1380	85	5.2	0.81	1.79
FD 500 075	75	2.95	200	7.87	125	4.92			615	1384	100	6.1	0.87	1.92
FD 500 080	80	3.15	210	8.27	130	5.12			616	1385	106	6.5	0.89	1.96
FD 500 100	100	3.94	250	9.84	150	5.91			618	1389	131	8.0	0.99	2.18
FD 500 125	125	4.92	300	11.81	175	6.89			619	1392	163	10.0	1.12	2.47

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	20 bar / 290 psi 150 bar / 2175 psi	20°C / 68°F	Charging Adapter	18 CG 1-Q
Smax	< 90%	Tmin Tmax	0°C / 32°F	80°C / 176°F	Connection	FD-H 500 XXX
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C		Cardridge Kit	2038E190B

							
mm	mm	mm	50 Ø45 L1=132 L1=142 L1=147	50 Ø45 L1=138 L1=150 L1=150	50 Ø45 L1=160 L1=185	50 Ø45 L1=185	50 Ø45 L1=160
MODEL			CW 750 CWC 750 KZ 750	CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250

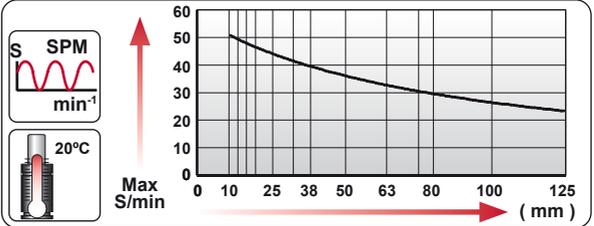
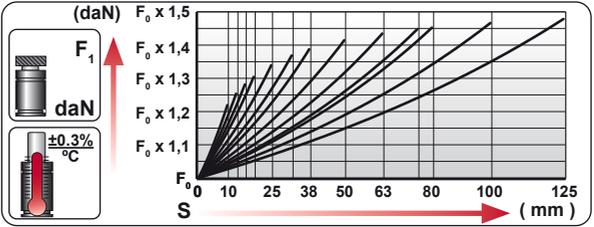
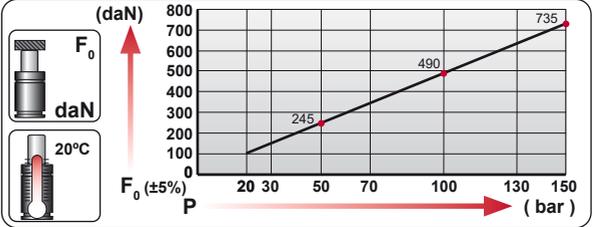
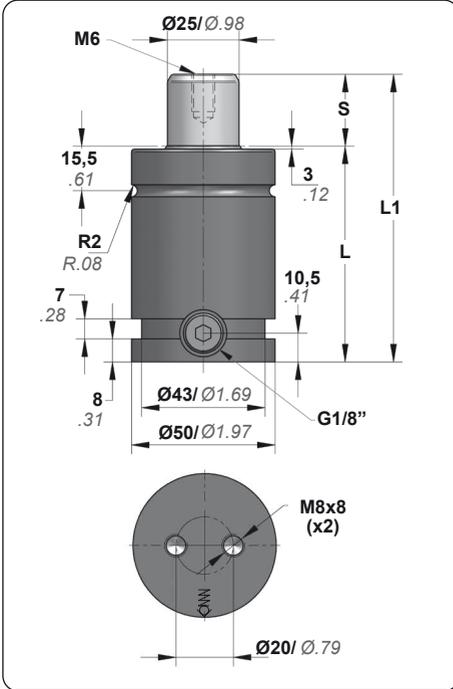
MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-045  581 A34-045  582	B21-045  590 B76-045  594	C05-045  596 C20-045  598	D02-045  600 D67-045  602

FD 750 V1

Low Profile

MB B8 3180 220 000 003	RENAULT EM24.54.700
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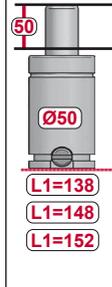
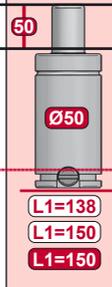
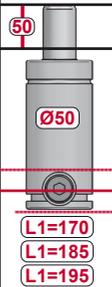
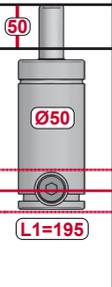
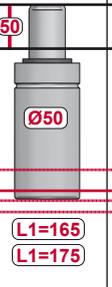
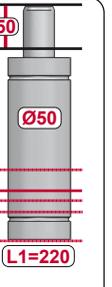


VDI SAFETY

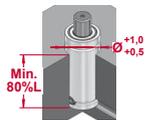
STANDARS

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.		Kg. lb	
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³		
FD 750 010 V1	10	0.39	70	2.76	60	2.36	740 1664 ±5% 150 bar 2175 psi at 20°C 68°F		903	2029	27	1.7	0.63	1.39
FD 750 013 V1	13	0.51	76	2.99	63	2.48			928	2087	31	1.9	0.66	1.46
FD 750 016 V1	16	0.63	82	3.23	66	2.60			949	2133	36	2.2	0.68	1.50
FD 750 019 V1	19	0.75	88	3.46	69	2.72			965	2170	40	2.4	0.70	1.54
FD 750 025 V1	25	0.98	100	3.94	75	2.95			991	2229	48	3.0	0.75	1.65
FD 750 032 V1	32	1.26	114	4.49	82	3.23			1013	2277	58	3.6	0.81	1.79
FD 750 038 V1	38	1.50	126	4.96	88	3.46			1027	2309	67	4.1	0.86	1.90
FD 750 050 V1	50	1.97	150	5.91	100	3.94			1047	2354	84	5.1	0.96	2.12
FD 750 063 V1	63	2.48	176	6.93	113	4.45			1062	2387	102	6.2	1.07	2.36
FD 750 075 V1	75	2.95	200	7.87	125	4.92			1072	2409	119	7.3	1.16	2.56
FD 750 080 V1	80	3.15	210	8.27	130	5.12			1075	2417	126	7.7	1.20	2.65
FD 750 100 V1	100	3.94	250	9.84	150	5.91			1086	2441	154	9.4	1.37	3.02
FD 750 125 V1	125	4.92	300	11.81	175	6.89	1094	2460	189	11.6	1.57	3.46		

TECHNICAL DATA														
Fluid	N ₂	Smax	< 90%	Vmax	1,6 m/s	Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi	Charging Adapter	18 CG 1-Q	Connection	FD-H 750 XXX V1	Cartridge Kit	2540K140A
						Tmin Tmax	0 °C 32 °F	80 °C 176 °F						
						Force variation by temperature	±0,3% / °C							

								
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  581 A34-050  582	B21-050  590 B76-050  594	C05-050  596 C20-050  598	D02-050  600 D67-050  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

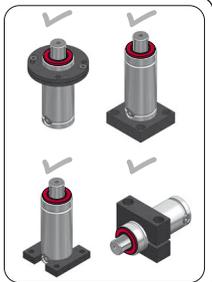
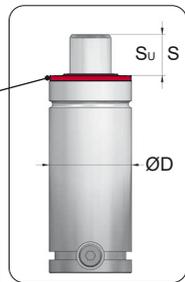
FD 750 050 V1 25 50

FD 750 050 V1 + PW 025 050





Protective Wiper

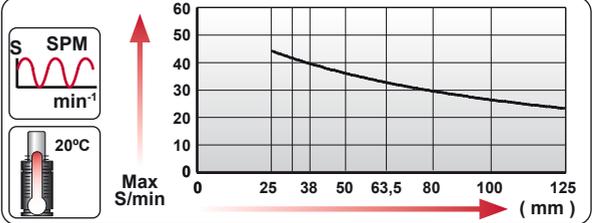
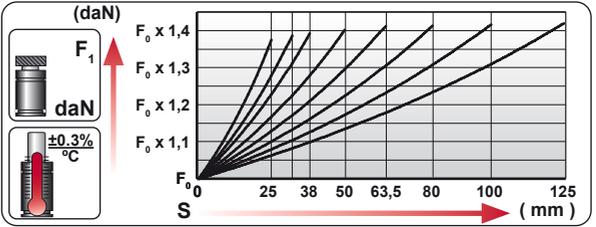
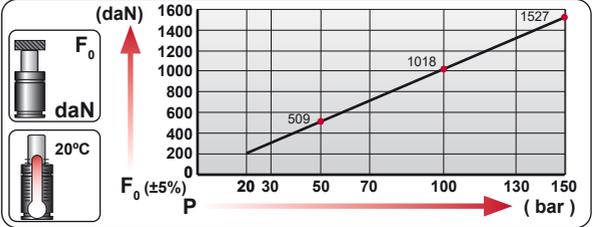
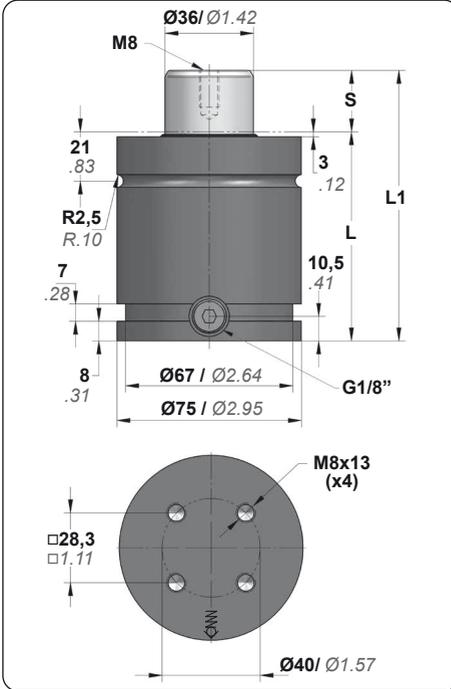


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

FD 1500 V2

Low Profile

		RENAULT EM24.54.700
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VDI SAFETY

STANDARS

ORDER	S		L1 $\pm 0,25$		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
FD 1500 025 V2	25	0.98	110	4.33	85	3.35	1530 ±5% 150 bar 2175 psi at 20°C 68°F	3440	1952	4388	118	7.2	1.94	4.28
FD 1500 032 V2	32	1.26	124	4.88	92	3.62			1982	4457	143	8.7	2.04	4.50
FD 1500 038 V2	38	1.50	136	5.35	98	3.86			2002	4500	164	10.0	2.13	4.70
FD 1500 050 V2	50	1.97	160	6.30	110	4.33			2029	4561	207	12.6	2.31	5.09
FD 1500 063 V2	63.5	2.50	187	7.36	123.5	4.86			2049	4606	255	15.6	2.50	5.51
FD 1500 080 V2	80	3.15	220	8.66	140	5.51			2066	4644	314	19.2	2.75	6.06
FD 1500 100 V2	100	3.94	260	10.24	160	6.30			2079	4674	385	23.5	3.41	7.52
FD 1500 125 V2	125	4.92	310	12.20	185	7.28			2090	4699	475	29.0	4.75	10.47

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	20 bar 290 psi	150 bar 2175 psi	20°C / 68°F	Charging Adapter	18 CG 1-Q
Smax	< 90%	Tmin Tmax	0 °C 32 °F	80 °C 176 °F	Connection	FD-H 1500 XXX V2	
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C		Cardridge Kit	3663L210A	



FD 1500 V2

Low Profile

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		A14-075 581 A34-075 582	B21-075 590 B76-075 594	C05-075 596 C20-075 598	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

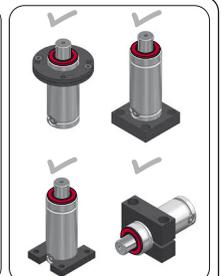
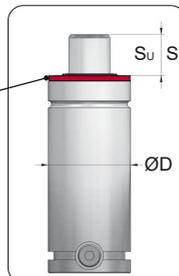
HOW TO ORDER

FD 1500 050 V2 36 75

FD 1500 050 V2 + PW 036 075



Protective Wiper

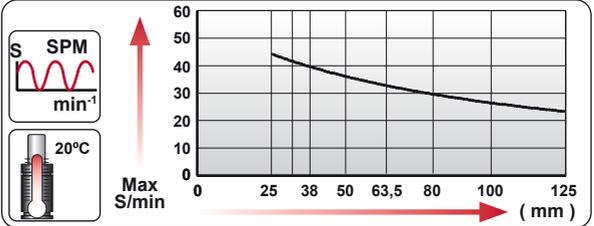
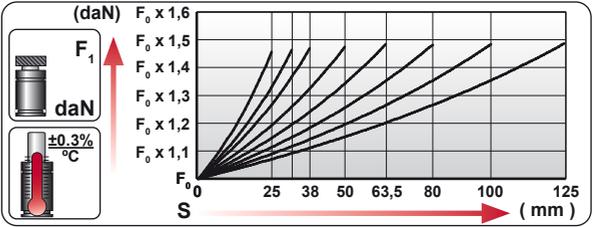
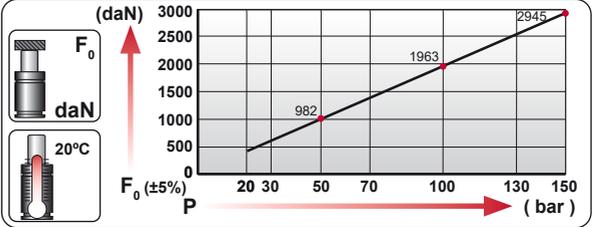
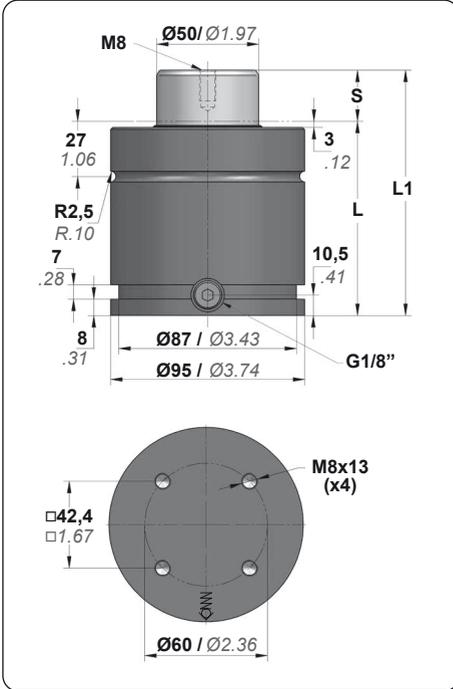


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

FD 3000

Low Profile

MB B8 3180 220 000 003	RENAULT EM24.54.700
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VDI SAFETY

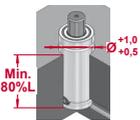
STANDARS

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.		Weight	
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
FD 3000 025	25	0.98	120	4.72	95	3.74	2945 6621 ±5% 150 bar 2175 psi at 20°C 68°F	6621	3954	8888	192	11.7	3.82	8.42
FD 3000 032	32	1.26	134	5.28	102	4.02			4035	9072	233	14.2	4.00	8.82
FD 3000 038	38	1.50	146	5.75	108	4.25			4087	9189	267	16.3	4.47	9.85
FD 3000 050	50	1.97	170	6.69	120	4.72			4162	9356	336	20.5	4.81	10.60
FD 3000 063	63.5	2.50	197	7.76	133.5	5.26			4218	9482	413	25.2	5.25	11.57
FD 3000 080	80	3.15	230	9.06	150	5.91			4264	9586	508	31.0	5.77	12.72
FD 3000 100	100	3.94	270	10.63	170	6.69			4302	9672	622	38.0	5.73	12.63
FD 3000 125	125	4.92	320	12.60	195	7.68			4334	9744	766	46.7	6.42	14.15

TECHNICAL DATA														
Fluid	N ₂	Pmin Pmax	20 bar 290 psi	150 bar 2175 psi	20°C / 68°F	80°C / 176°F	Charging Adapter	18 CG 1-Q						
Smax	< 90%	Tmin Tmax	0°C 32°F	80°C 176°F	Connection	FD-H 3000 XXX								
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C		Cardridge Kit	5080U300A								

								
			Ø95 L1=158 L1=162 L1=162	Ø95 L1=170 L1=170	Ø95 L1=195 L1=205 L1=220	Ø95 L1=220	Ø95 L1=215	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  581 A34-095  582	B21-095  590 B76-095  594	C05-095  597 C20-095  598	D02-095  601 D67-095  603

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

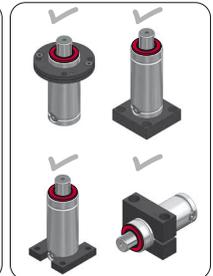
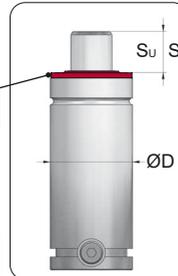
FD 3000 050 50 95

FD 3000 050 + PW 050 095





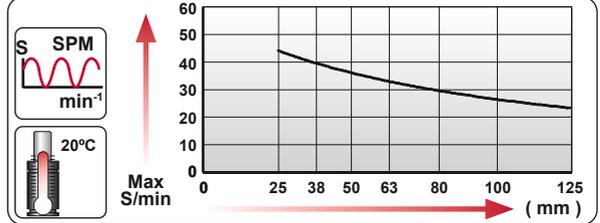
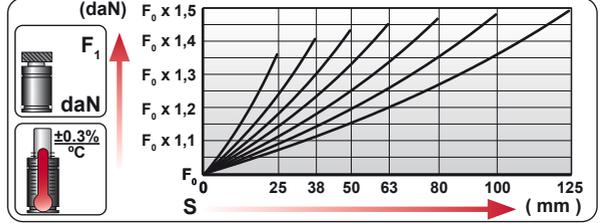
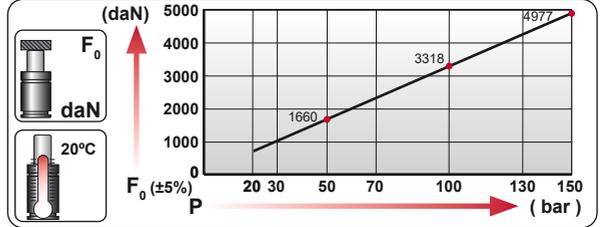
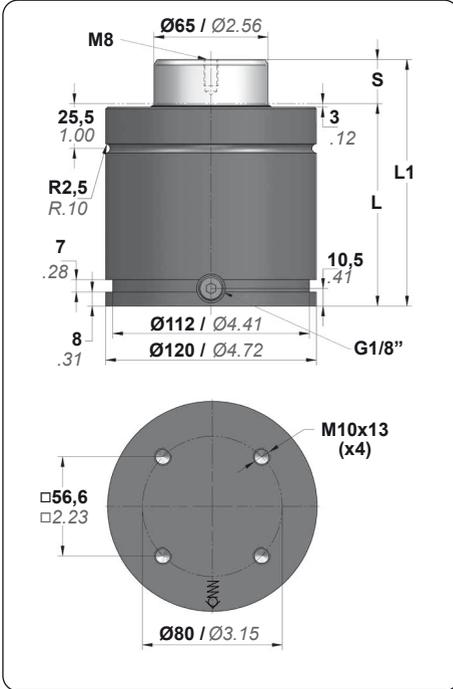
Protective Wiper



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

FD 5000 V1

Low Profile



VDI SAFETY

STANDARS

ORDER	S		L1 $\pm 0,25$		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
FD 5000 025 V1	25	0.98	140	5.51	115	4.53	4980 $\pm 5\%$ 150 bar 2175 psi at 20°C 68°F	11195	6770	15220	314	19.1	7.60	16.75
FD 5000 038 V1	38	1.50	166	6.54	128	5.04			7003	15743	437	26.6	8.13	17.92
FD 5000 050 V1	50	1.97	190	7.48	140	5.51			7132	16033	550	33.6	8.62	19.00
FD 5000 063 V1	63	2.48	216	8.50	153	6.02			7226	16244	673	41.0	9.14	20.15
FD 5000 080 V1	80	3.15	250	9.84	170	6.69			7309	16430	833	50.8	9.84	21.69
FD 5000 100 V1	100	3.94	290	11.42	190	7.48			7374	16578	1022	62.4	10.65	23.48
FD 5000 125 V1	125	4.92	340	13.39	215	8.46			7429	16701	1258	76.8	11.67	25.73

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	20 bar 290 psi	150 bar 2175 psi	20°C / 68°F	80°C / 176°F	Charging Adapter	18 CG 1-Q
Smax	< 90%	Tmin Tmax	0°C 32°F	80°C 176°F	Connection		FD-H 5000 XXX V1	
Vmax	1,6 m/s	Force variation by temperature	$\pm 0,3\% / ^\circ\text{C}$		Cardridge Kit		65A0W520A	



FD 5000 V1

Low Profile

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

MOUNTING OPTIONS

HOW TO ORDER		A14-120 581 A34-120 583	B21-120 591 B76-120 595	C05-120 597 C20-120 599	D02-120 601 D67-120 603

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

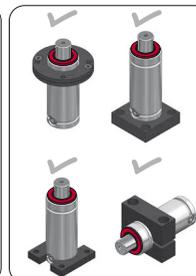
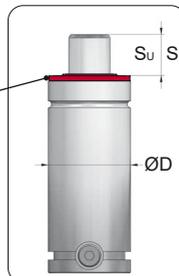
HOW TO ORDER

FD 5000 050 V1 65 120

FD 5000 050 V1 + PW 065 120



Protective Wiper



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



GAS SPRINGS



AZOL 
GAS



LOW PROFILE CK

- Medium size gas springs
- Medium range contact force (200-4000 daN)
- Ideal for stampers of small parts
- Used for cam return



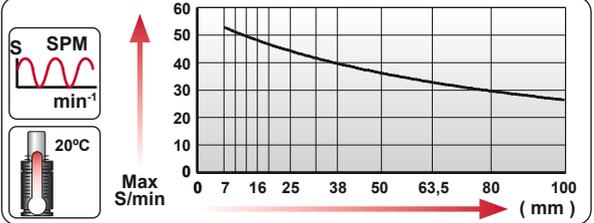
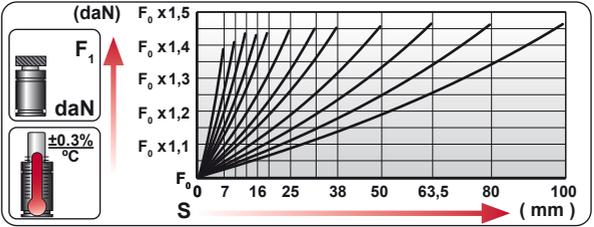
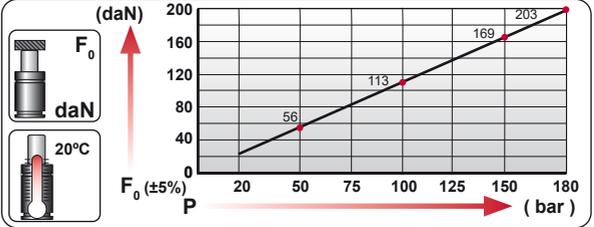
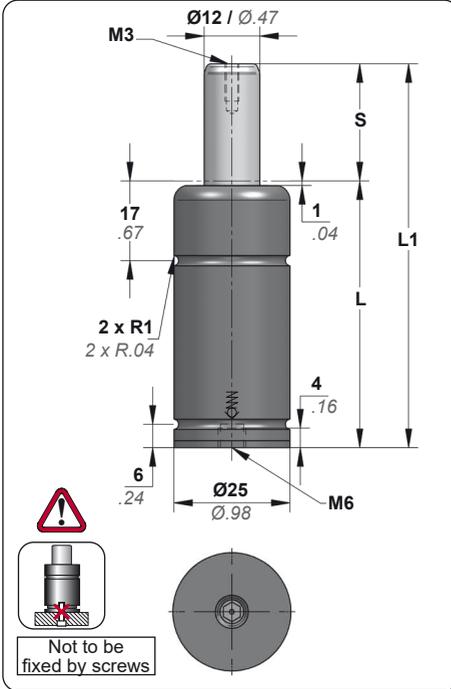
CK LOW PROFILE MEDIUM

MODEL	F ₀ daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
CK 200 V1	200 450	Ø25 Ø0.98	7 - 100 0.28 - 3.94	46 - 232 1.81 - 9.13	180 2610	M6	X	X
CK 300 V1	300 674	Ø32 Ø1.26	7 - 125 0.28 - 4.92	53 - 289 2.09 - 11.38	150 2175	M6	X	X
CK 500	500 1124	Ø38 Ø1.50	10 - 125 0.39 - 4.92	57 - 287 2.24 - 11.30	150 2175	M6	✓	✓
CK 750 V2	750 1686	Ø45 Ø1.77	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	150 2175	G1/8"	✓	✓
CK 1000 V3	1000 2248	Ø50 Ø1.97	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	160 2320	G1/8"	✓	✓
CK 1500 V3	1500 3372	Ø63 Ø2.48	13 - 125 0.51 - 4.92	86 - 310 3.39 - 12.20	150 2175	G1/8"	✓	✓
CK 2500 V1	2500 5620	Ø75 Ø2.95	13 - 125 0.51 - 4.92	86 - 310 3.39 - 12.20	160 2320	G1/8"	✓	✓
CK 4000 V1	4000 8992	Ø95 Ø3.74	25 - 100 0.98 - 3.94	120 - 270 4.72 - 10.63	150 2175	G1/8"	✓	✓

	mm	mm	mm	mm	mm	mm	mm	mm	mm
		50	50	50	50	50	50	50	50
		Ø50	Ø50	Ø50	Ø50	Ø50	Ø50	Ø50	Ø50
		L1=138 L1=148 L1=152	L1=138 L1=150 L1=150	L1=170 L1=185 L1=195	L1=195	L1=165 L1=175	L1=220		
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	

CK 200 V1

Low Profile



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																																																
CK 200 007 V1	7	0.28	46	1.81	39	1.54	190	427	264	594	3	0.2	0.11	0.24																																																
CK 200 010 V1	10	0.39	52	2.05	42	1.65									268	603	4	0.2	0.12	0.26																																										
CK 200 012 V1	12.7	0.50	57.4	2.26	44.7	1.76															270	608	5	0.3	0.12	0.26																																				
CK 200 016 V1	16	0.63	64	2.52	48	1.89																					272	612	6	0.4	0.13	0.29																														
CK 200 019 V1	19	0.75	70	2.76	51	2.01																											273	614	7	0.4	0.13	0.29																								
CK 200 025 V1	25	0.98	82	3.23	57	2.24																																	275	618	9	0.6	0.15	0.33																		
CK 200 032 V1	32	1.26	96	3.78	64	2.52																																							276	620	12	0.7	0.16	0.35												
CK 200 038 V1	38	1.50	108	4.25	70	2.76																																													276	621	14	0.8	0.17	0.37						
CK 200 050 V1	50	1.97	132	5.20	82	3.23																																																			277	623	18	1.1	0.19	0.42
CK 200 063 V1	63.5	2.50	159	6.26	95.5	3.76																																																								
CK 200 080 V1	80	3.15	192	7.56	112	4.41	278	625	29	1.7	0.25	0.55																																																		
CK 200 100 V1	100	3.94	232	9.13	132	5.20							278	626	36	2.2	0.29	0.64																																												

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



CK 200 V1
Low Profile

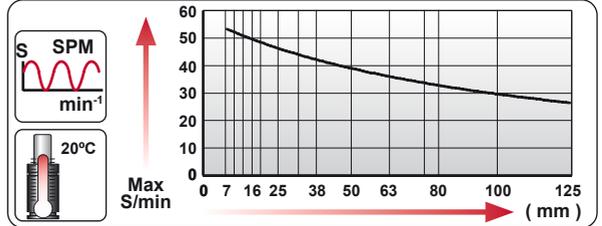
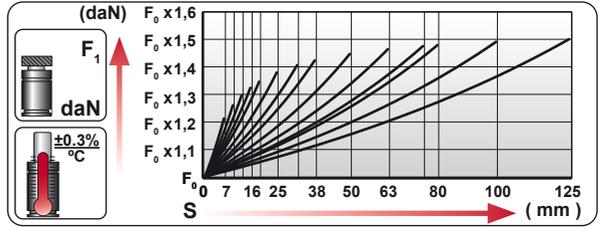
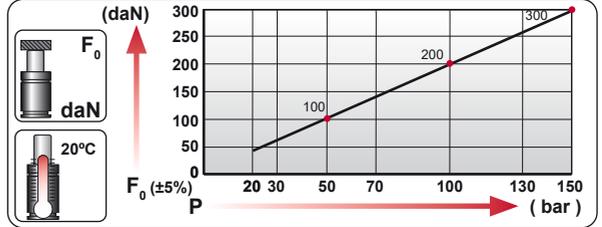
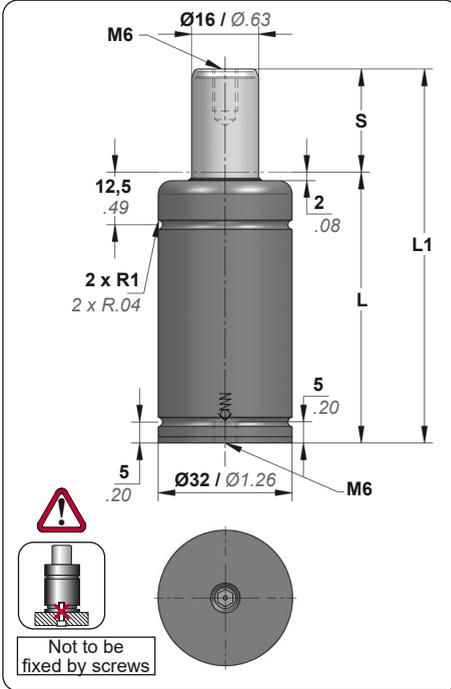
mm	mm	mm	mm	mm	mm	mm	mm
L1=142	L1=130	L1=132	L1=133	L1=160	L1=160	L1=160	L1=195
L1=145							
L1=154							
MODEL	AFC/AFD AFNA AF	CW 320	CK 200 CT 200	CM 200		CP 300	CS 420

MOUNTING OPTIONS					
	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount
HOW TO ORDER		A14-025 580 A44-025 584 A49-025 584		A19-025 586	



CK 300 V1

Low Profile



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
CK 300 007 V1	7	0.28	53	2.09	46	1.81	300 ±5% 150 bar 2175 psi at 20°C 68°F	674	364	819	8	0.5	0.21	0.46
CK 300 010 V1	10	0.39	59	2.32	49	1.93			379	851	10	0.6	0.22	0.49
CK 300 013 V1	13	0.51	65	2.56	52	2.05			389	875	11	0.7	0.23	0.51
CK 300 016 V1	16	0.63	71	2.80	55	2.17			398	894	13	0.8	0.24	0.53
CK 300 019 V1	19	0.75	77	3.03	58	2.28			404	909	15	0.9	0.25	0.55
CK 300 025 V1	25	0.98	89	3.50	64	2.52			414	931	18	1.1	0.27	0.60
CK 300 032 V1	32	1.26	103	4.06	71	2.80			422	949	22	1.4	0.30	0.66
CK 300 038 V1	38	1.50	115	4.53	77	3.03			427	961	26	1.6	0.32	0.71
CK 300 050 V1	50	1.97	139	5.47	89	3.50			435	977	32	2.0	0.36	0.79
CK 300 063 V1	63	2.48	165	6.50	102	4.02			440	989	40	2.4	0.40	0.88
CK 300 075 V1	75	2.95	189	7.44	114	4.49			443	996	47	2.8	0.44	0.97
CK 300 080 V1	80	3.15	199	7.83	119	4.69			444	999	50	3.0	0.46	1.01
CK 300 100 V1	100	3.94	239	9.41	139	5.47			448	1007	61	3.7	0.53	1.17
CK 300 125 V1	125	4.92	289	11.38	164	6.46			451	1013	75	4.6	0.61	1.34

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



CK 300 V1

Low Profile

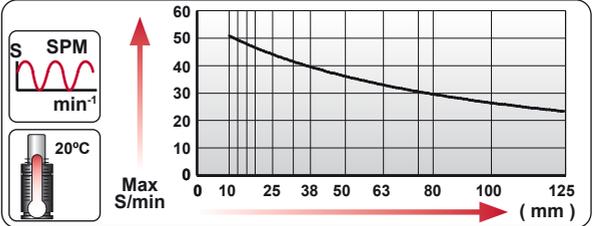
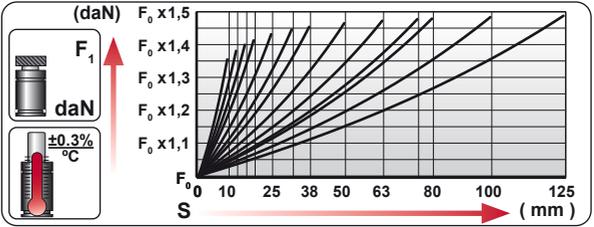
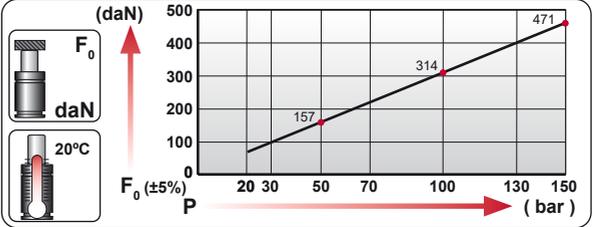
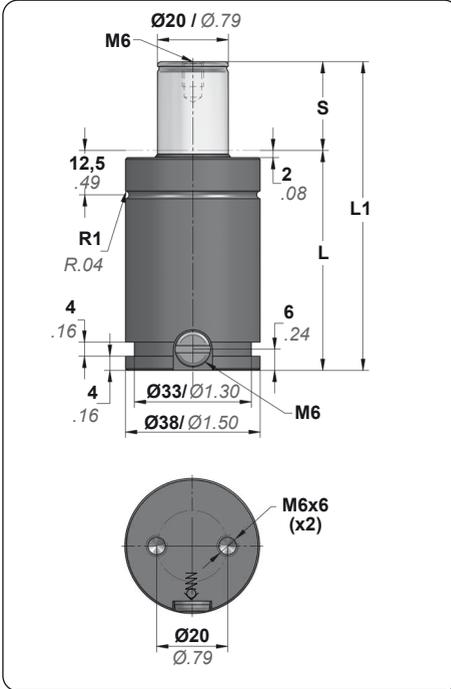
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	Ø32	Ø32		Ø32	Ø32	Ø32	Ø32	Ø32
	L1=142	L1=130 L1=140		L1=137 L1=139	L1=150 L1=150 L1=160	L1=150	L1=155	L1=195
MODEL	AFT	CW 350 KZ 350		CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount
HOW TO ORDER		A14-032 580 A34-032 582 A44-032 584			

CK 500

Low Profile



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.
CK 500 010	10	0.39	57	2.24	47	1.85	470 1057 ±5% 150 bar 2175 psi at 20°C 68°F		636	1431	12	0.7	0.29	0.64
CK 500 013	13	0.51	63	2.48	50	1.97			649	1458	15	0.9	0.31	0.68
CK 500 016	16	0.63	69	2.72	53	2.09			657	1478	18	1.1	0.32	0.71
CK 500 019	19	0.75	75	2.95	56	2.20			664	1492	20	1.2	0.33	0.73
CK 500 025	25	0.98	87	3.43	62	2.44			673	1512	26	1.6	0.36	0.79
CK 500 032	32	1.26	101	3.98	69	2.72			679	1527	33	2.0	0.38	0.84
CK 500 038	38	1.50	113	4.45	75	2.95			683	1536	38	2.3	0.41	0.90
CK 500 050	50	1.97	137	5.39	87	3.43			688	1548	49	3.0	0.46	1.01
CK 500 063	63	2.48	163	6.42	100	3.94			692	1556	62	3.8	0.51	1.12
CK 500 075	75	2.95	187	7.36	112	4.41			694	1561	73	4.4	0.56	1.23
CK 500 080	80	3.15	197	7.76	117	4.61			695	1563	78	4.7	0.58	1.28
CK 500 100	100	3.94	237	9.33	137	5.39			697	1568	96	5.9	0.66	1.46
CK 500 125	125	4.92	287	11.30	162	6.38			699	1572	120	7.3	0.76	1.68

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	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	CK-H 500 XXX
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C		Cartridge Kit	2032D125B

		50	50	50	50	50	50	50
		Ø38	Ø38	Ø38	Ø38	Ø38	Ø38	Ø38
		L1=130 L1=140	L1=150	L1=132 L1=137 L1=150	L1=150 L1=155	L1=150	L1=155 L1=160	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 Min. 80%L +1.0 Ø+0.5	Top Mount 	Base Mount 	Foot Mount 	Support Mount
HOW TO ORDER		A14-038 580 A34-038 582		C20-038 598	D67-038 602

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

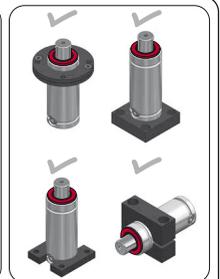
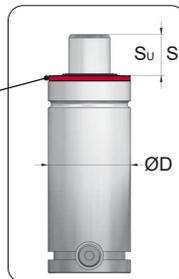
HOW TO ORDER
CK 500 050 20 38
CK 500 050 + PW 020 038

Ød mm

ØD mm



Protective Wiper



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

PC Protective Cover

HOW TO ORDER
CK 500 050 20 38 50
CK 500 050 + PC 020 038 050

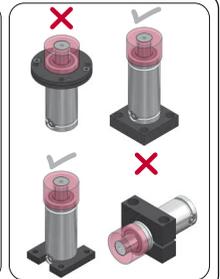
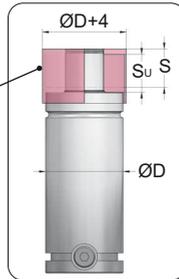
Ød mm

ØD mm

S mm



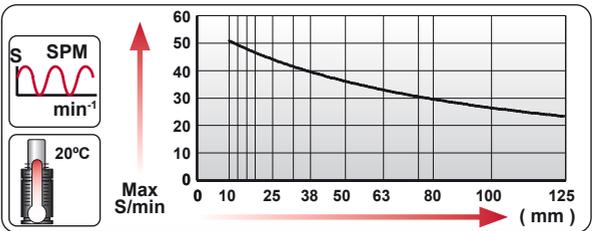
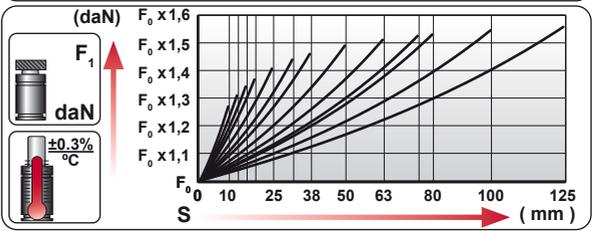
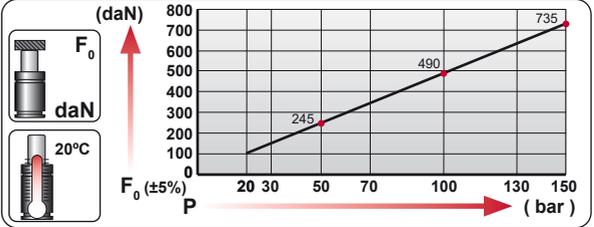
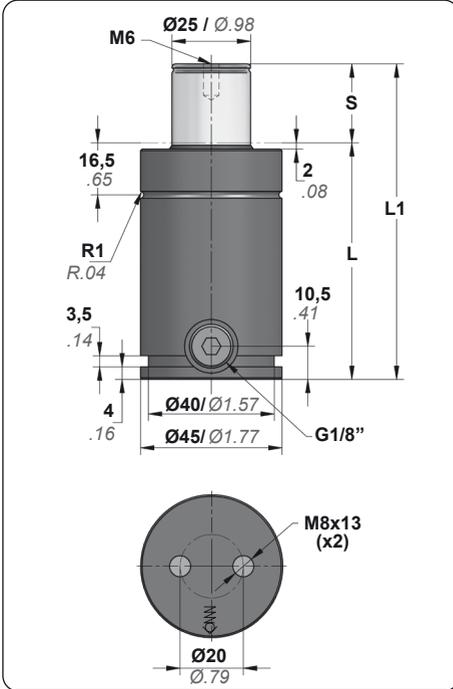
Protective Cover



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.

CK 750 V2

Low Profile



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.
CK 750 010 V2	10	0.39	70	2.76	60	2.36	740 1664 ±5% 150 bar 2175 psi at 20°C 68°F		940	2114	23	1.4	0.53	1.17
CK 750 013 V2	13	0.51	76	2.99	63	2.48			970	2181	27	1.6	0.55	1.21
CK 750 016 V2	16	0.63	82	3.23	66	2.60			994	2234	31	1.9	0.57	1.26
CK 750 019 V2	19	0.75	88	3.46	69	2.72			1013	2277	35	2.1	0.59	1.30
CK 750 025 V2	25	0.98	100	3.94	75	2.95			1042	2342	42	2.6	0.63	1.39
CK 750 032 V2	32	1.26	114	4.49	82	3.23			1066	2396	51	3.1	0.67	1.48
CK 750 038 V2	38	1.50	126	4.96	88	3.46			1081	2431	59	3.6	0.71	1.57
CK 750 050 V2	50	1.97	150	5.91	100	3.94			1103	2480	75	4.6	0.78	1.72
CK 750 063 V2	63	2.48	176	6.93	113	4.45			1119	2516	91	5.6	0.86	1.90
CK 750 075 V2	75	2.95	200	7.87	125	4.92			1129	2539	107	6.5	0.94	2.07
CK 750 080 V2	80	3.15	210	8.27	130	5.12			1133	2547	113	6.9	0.97	2.14
CK 750 100 V2	100	3.94	250	9.84	150	5.91			1144	2572	139	8.5	1.09	2.40
CK 750 125 V2	125	4.92	300	11.81	175	6.89			1153	2593	171	10.4	1.25	2.76

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

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

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
<p>HOW TO ORDER</p>		<p>A14-045 581</p> <p>A34-045 582</p>	<p>B21-045 590</p> <p>B76-045 594</p>	<p>C05-045 596</p> <p>C20-045 598</p>	<p>D02-045 600</p> <p>D67-045 602</p>

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

CK 750 050 V2 25 45

CK 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

CK 750 050 V2 25 45 50

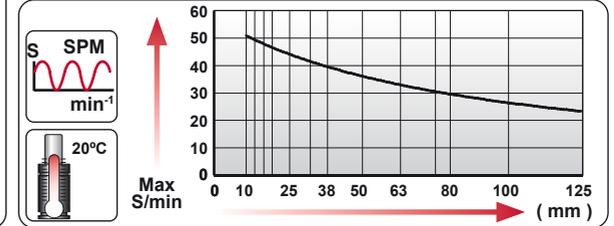
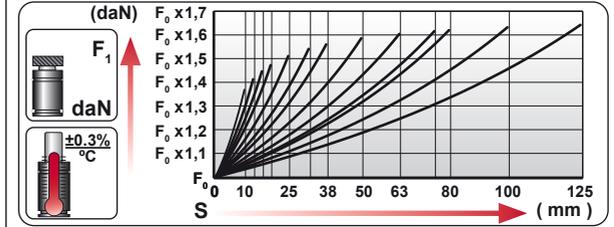
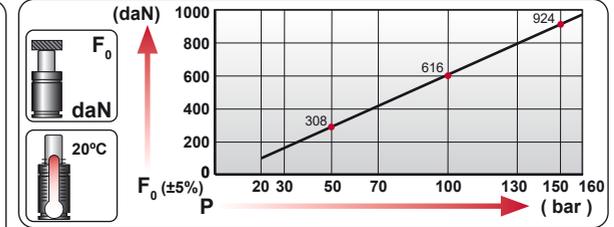
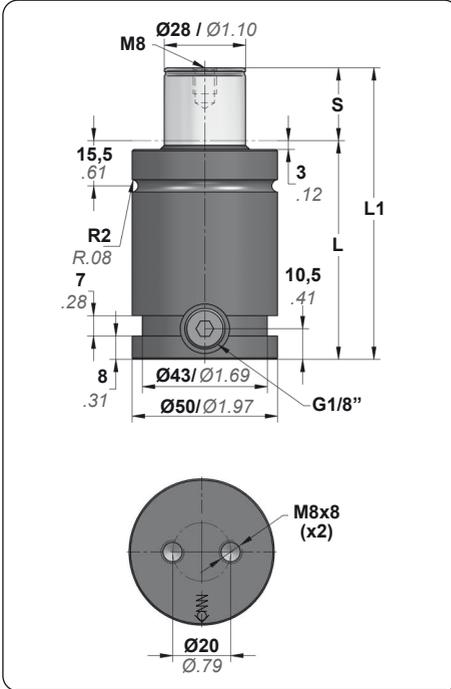
CK 750 050 V2 + PC 025 045 050

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

CK 1000 V3

Low Profile



VDI SAFETY

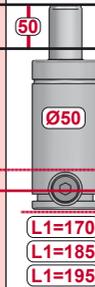
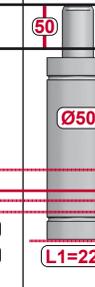
STANDARS

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
CK 1000 010 V3	10	0.39	70	2.76	60	2.36	985	2214	1371	3081	22	1.3	0.68	1.50
CK 1000 013 V3	13	0.51	76	2.99	63	2.48			1413	3177	26	1.6	0.71	1.57
CK 1000 016 V3	16	0.63	82	3.23	66	2.60			1445	3248	31	1.9	0.73	1.61
CK 1000 019 V3	19	0.75	88	3.46	69	2.72			1469	3304	35	2.2	0.76	1.68
CK 1000 025 V3	25	0.98	100	3.94	75	2.95			1505	3383	45	2.7	0.81	1.79
CK 1000 032 V3	32	1.26	114	4.49	82	3.23			1533	3446	55	3.4	0.86	1.90
CK 1000 038 V3	38	1.50	126	4.96	88	3.46			1550	3484	64	3.9	0.92	2.03
CK 1000 050 V3	50	1.97	150	5.91	100	3.94			1573	3537	82	5.0	1.02	2.25
CK 1000 063 V3	63	2.48	176	6.93	113	4.45			1590	3574	102	6.2	1.12	2.47
CK 1000 075 V3	75	2.95	200	7.87	125	4.92			1600	3598	120	7.3	1.23	2.71
CK 1000 080 V3	80	3.15	210	8.27	130	5.12			1604	3606	128	7.8	1.27	2.80
CK 1000 100 V3	100	3.94	250	9.84	150	5.91			1615	3630	158	9.6	1.43	3.15
CK 1000 125 V3	125	4.92	300	11.81	175	6.89			1624	3650	196	11.9	1.64	3.62

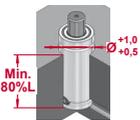
Notes: $\pm 5\%$ force variation; 160 bar / 2320 psi at 20°C / 68°F.

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	20 bar / 290 psi 160 bar / 2320 psi	20°C / 68°F	Charging Adapter	18 CG 1-Q
Smax	< 90%	Tmin Tmax	0°C / 32°F 80°C / 176°F	Connection	CK-H 1000 XXX V3	
Vmax	1,6 m/s	Force variation by temperature	$\pm 0,3\% / ^\circ\text{C}$	Cardridge Kit	2840K169A	

								
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

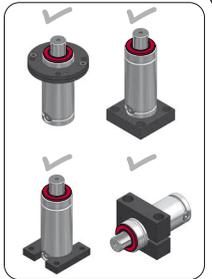
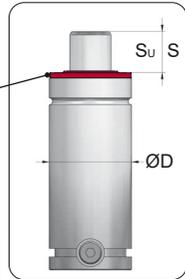
CK 1000 050 V3 28 50

CK 1000 050 V3 + PW 028 050





Protective Wiper



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

PC Protective Cover



HOW TO ORDER

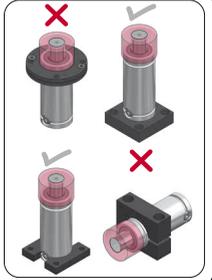
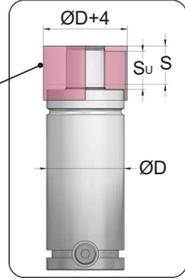
CK 1000 050 V3 28 50 50

CK 1000 050 V3 + PC 028 050 050





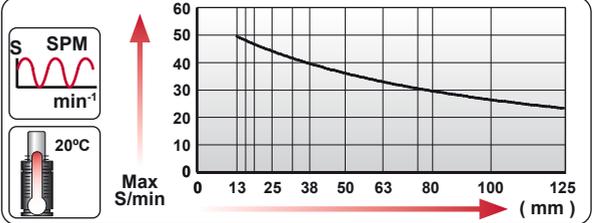
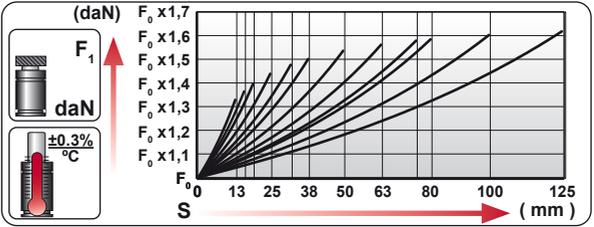
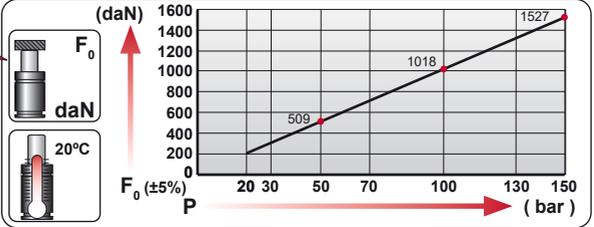
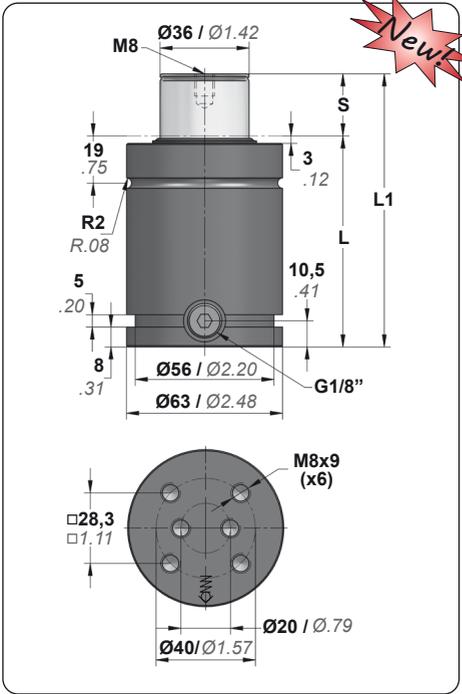
Protective Cover



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.

CK 1500 V3

Low Profile



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.
CK 1500 013 V3	13	0.51	86	3.39	73	2.87	1530 3440 ±5% 150 bar 2175 psi at 20°C 68°F		2059	4629	51	3.1	1.28	2.82
CK 1500 016 V3	16	0.63	92	3.62	76	2.99			2114	4752	59	3.6	1.32	2.91
CK 1500 019 V3	19	0.75	98	3.86	79	3.11			2158	4851	66	4.1	1.36	3.00
CK 1500 025 V3	25	0.98	110	4.33	85	3.35			2225	5003	81	5.0	1.44	3.17
CK 1500 032 V3	32	1.26	124	4.88	92	3.62			2281	5129	99	6.0	1.53	3.37
CK 1500 038 V3	38	1.50	136	5.35	98	3.86			2317	5209	114	6.9	1.60	3.53
CK 1500 050 V3	50	1.97	160	6.30	110	4.33			2368	5324	144	8.8	1.76	3.88
CK 1500 063 V3	63	2.48	186	7.32	123	4.84			2405	5407	176	10.8	1.93	4.25
CK 1500 075 V3	75	2.95	210	8.27	135	5.31			2430	5462	206	12.6	2.08	4.59
CK 1500 080 V3	80	3.15	220	8.66	140	5.51			2438	5480	219	13.3	2.15	4.74
CK 1500 100 V3	100	3.94	260	10.24	160	6.30			2464	5539	269	16.4	2.40	5.29
CK 1500 125 V3	125	4.92	310	12.20	185	7.28			2486	5588	331	20.2	2.72	6.00

TECHNICAL DATA													
Fluid	N ₂		Pmin Pmax	20 bar 150 bar		20°C / 68°F		290 psi 2175 psi		Charging Adapter	18 CG 1-Q		
Smax	< 90%		Tmin Tmax	0 °C		32 °F		80 °C		Connection	CK-H 1500 XXX V3		
Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C						Cardridge Kit	3651L210A		



CK 1500 V3

Low Profile

mm	mm	mm	mm	mm	mm	mm	mm
mm	mm	mm	mm	mm	mm	mm	mm
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		A14-063 581 A39-063 583 A69-063 583	B21-075 590 B76-075 594	C05-063 596 C35-063 599	D02-063 600 D67-063 602

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

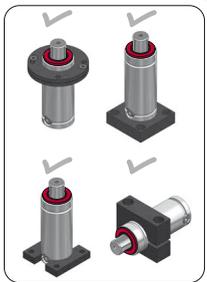
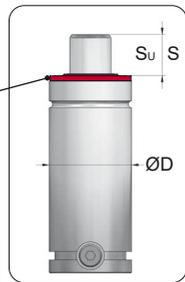
HOW TO ORDER

CK 1500 050 V3 36 63

CK 1500 050 V3 + PW 036 063



Protective Wiper



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

PC Protective Cover

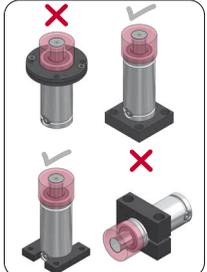
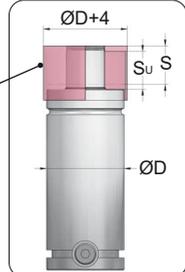
HOW TO ORDER

CK 1500 050 V3 36 63 50

CK 1500 050 V3 + PC 036 063 050



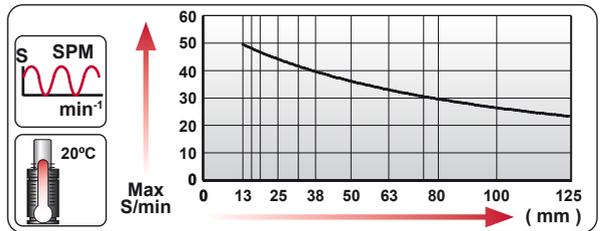
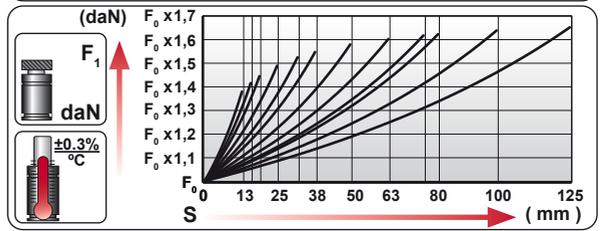
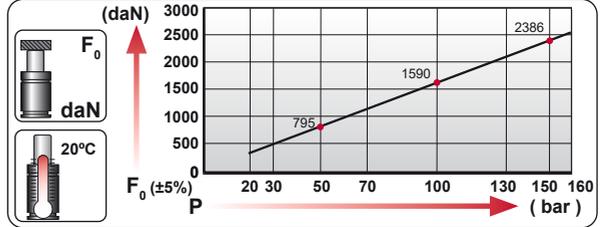
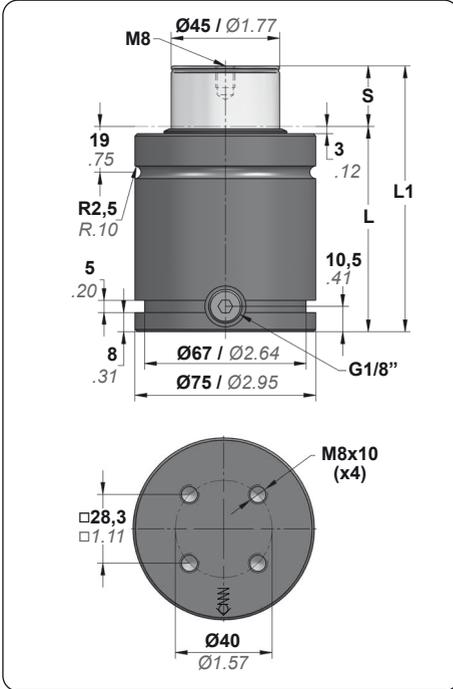
Protective Cover



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.

CK 2500 V1

Low Profile



VDI SAFETY

STANDARS

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.		Kg. lb	
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³		
CK 2500 013 V1	13	0.51	86	3.39	73	2.87	2545 5721 ±5% 160 bar 2320 psi at 20°C 68°F		3562	8007	72	4.4	1.83	4.03
CK 2500 016 V1	16	0.63	92	3.62	76	2.99			3653	8212	84	5.1	1.88	4.14
CK 2500 019 V1	19	0.75	98	3.86	79	3.11			3725	8375	95	5.8	1.93	4.25
CK 2500 025 V1	25	0.98	110	4.33	85	3.35			3833	8617	118	7.2	2.03	4.48
CK 2500 032 V1	32	1.26	124	4.88	92	3.62			3920	8813	145	8.9	2.15	4.74
CK 2500 038 V1	38	1.50	136	5.35	98	3.86			3975	8935	168	10.3	2.26	4.98
CK 2500 050 V1	50	1.97	160	6.30	110	4.33			4051	9107	214	13.1	2.46	5.42
CK 2500 063 V1	63	2.48	186	7.32	123	4.84			4105	9229	264	16.1	2.68	5.91
CK 2500 075 V1	75	2.95	210	8.27	135	5.31			4141	9309	310	18.9	2.89	6.37
CK 2500 080 V1	80	3.15	220	8.66	140	5.51			4153	9336	329	20.1	2.98	6.57
CK 2500 100 V1	100	3.94	260	10.24	160	6.30	4190	9419	405	24.7	3.32	7.32		
CK 2500 125 V1	125	4.92	310	12.20	185	7.28	4221	9489	501	30.6	3.75	8.27		

TECHNICAL DATA													
Fluid	N ₂	Pmin Pmax	20 bar	160 bar	Charging Adapter	18 CG 1-Q							
Smax	< 90%	20°C / 68°F	290 psi	2320 psi	Connection	CK-H 2500 XXX V1							
Vmax	1,6 m/s	Tmin Tmax	0 °C	80 °C	Cardridge Kit	4563L245A							
		Force variation by temperature	32 °F	176 °F									
			±0,3% / °C										

mm	mm	mm	mm	mm	mm	mm	mm
L1	L1	L1	L1	L1	L1	L1	L1
mm	mm	mm	mm	mm	mm	mm	mm
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		A14-075 581 A34-075 582	B21-075 590 B76-075 594	C05-075 596 C20-075 598	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

CK 2500 050 V1 **45** **75**

CK 2500 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

CK 2500 050 V1 **45** **75** **50**

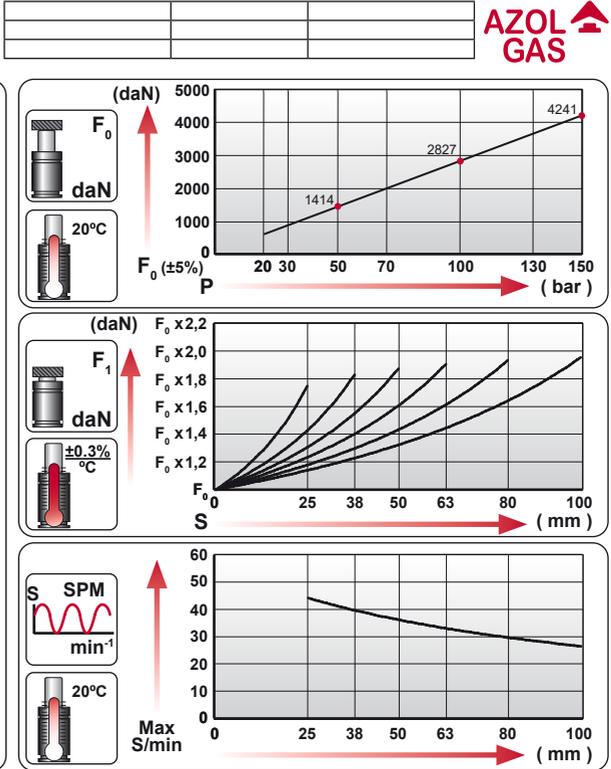
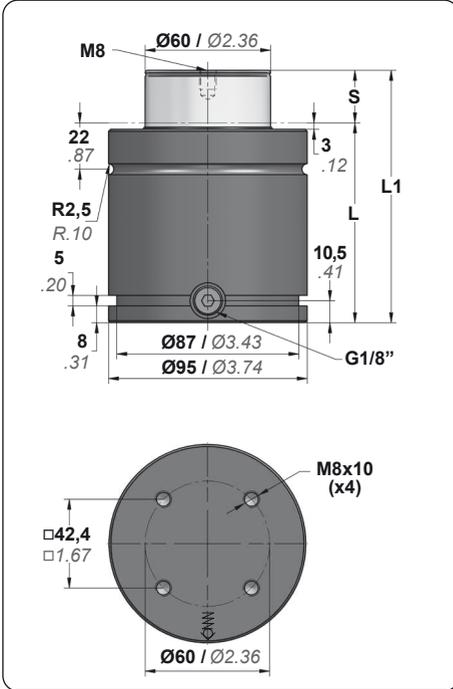
CK 2500 050 V1 + PC 045 075 050

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

CK 4000 V1

Low Profile



VDI SAFETY

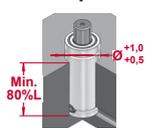
STANDARS

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
CK 4000 025 V1	25	0.98	120	4.72	95	3.74	3960 ±5% 140 bar 2030 psi at 20°C 68°F	8902	5930	13332	213	13.0	3.52	7.76
CK 4000 038 V1	38	1.50	146	5.75	108	4.25			6235	14017	294	18.0	3.89	8.58
CK 4000 050 V1	50	1.97	170	6.69	120	4.72			6410	14411	370	22.6	4.23	9.33
CK 4000 063 V1	63	2.48	196	7.72	133	5.24			6540	14703	452	27.6	4.60	10.14
CK 4000 080 V1	80	3.15	230	9.06	150	5.91			6657	14965	558	34.1	5.09	11.22
CK 4000 100 V1	100	3.94	270	10.63	170	6.69			6750	15175	684	41.7	5.66	12.48

TECHNICAL DATA															
Fluid	N ₂		Pmin Pmax	20 bar 290 psi		150 bar 2175 psi		Charging Adapter		18 CG 1-Q					
Smax	< 90%		Tmin Tmax	20°C / 68°F		80°C / 176°F		Connection		CK-H 4000 XXX V1					
Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C				Cardridge Kit		6080U275A					

								
	50	50	50	50	50	50	50	50
	Ø95							
	L1=158	L1=170	L1=195	L1=220	L1=215	L1=220	L1=215	L1=255
	L1=162	L1=170	L1=205	L1=220	L1=215	L1=220	L1=215	L1=255
	L1=162	L1=170	L1=205	L1=220	L1=215	L1=220	L1=215	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



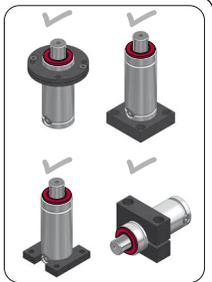
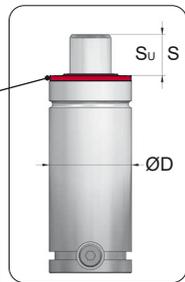
HOW TO ORDER

CK 4000 050 V1 60 95

CK 4000 050 V1 + PW 060 095



Protective Wiper



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

PC Protective Cover



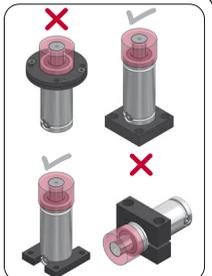
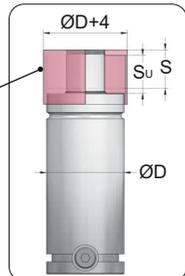
HOW TO ORDER

CK 4000 050 V1 60 95 50

CK 4000 050 V1 + PC 060 095 050



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.



GAS SPRINGS



AZOL 
GAS



LOW PROFILE CT

- Medium size gas springs
- Medium range contact force (200-5000 daN)
- Ideal for stampers of small parts
- Used for cam return



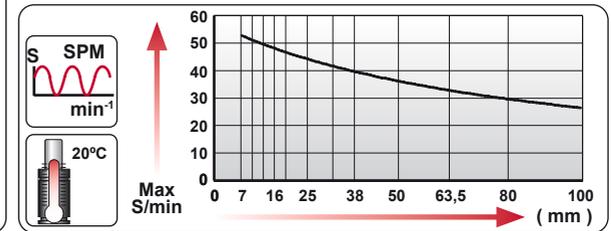
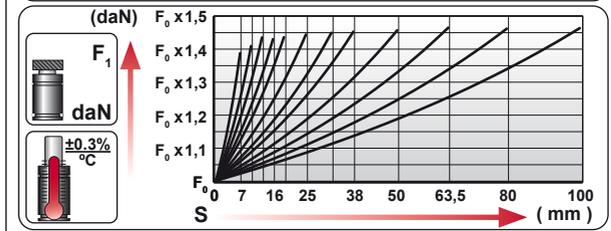
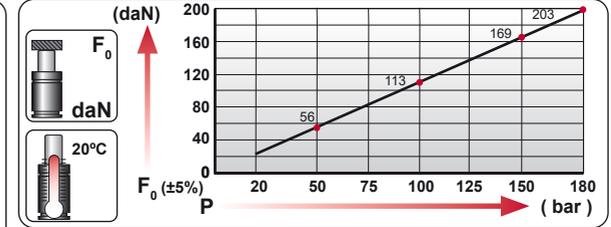
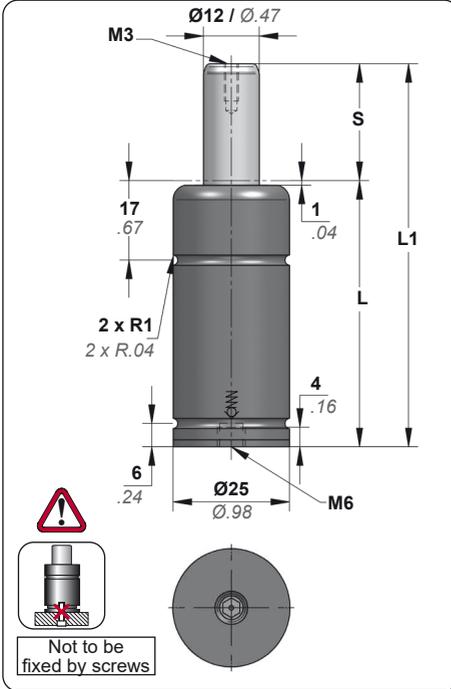
CT LOW PROFILE SMALL

MODEL	F ₀ daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
CT 200 V2	200 450	Ø25 Ø0.98	7 - 100 0.28 - 3.94	46 - 232 1.81 - 9.13	180 2610	M6	X	X
CT 300 V2	300 674	Ø32 Ø1.26	7 - 125 0.28 - 4.92	51 - 287 2.00 - 11.30	150 2175	M6	X	X
CT 500	500 1124	Ø38 Ø1.50	10 - 125 0.39 - 4.92	52 - 282 2.05 - 11.10	150 2175	M6	✓	✓
CT 700	700 1574	Ø45 Ø1.77	10 - 125 0.39 - 4.92	58 - 288 2.28 - 11.34	150 2175	M6	✓	✓
CT 1000 V1	1000 2248	Ø50 Ø1.97	10 - 125 0.39 - 4.92	58 - 288 2.28 - 11.34	160 2320	M6	✓	✓
CT 1500 V1	1500 3372	Ø63 Ø2.48	13 - 125 0.51 - 4.92	78 - 302 3.07 - 11.89	150 2175	M6	✓	✓
CT 3000 V1	3000 6744	Ø75 Ø2.95	12 - 125 0.47 - 4.92	78 - 304 3.07 - 11.97	150 2175	M6	✓	✓
CT 5000	5000 11240	Ø105 Ø4.13	12 - 125 0.47 - 4.92	84 - 310 3.31 - 12.20	150 2175	M6	✓	✓

		Ø50	L1=138 L1=148 L1=152	X	Ø50	L1=138 L1=150 L1=150		Ø50	L1=170 L1=185 L1=195	Ø50	L1=195
					Ø50			Ø50	L1=195		
					Ø50			Ø50	L1=165 L1=175		
					Ø50			Ø50	L1=220		
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 			

CT 200 V2

Low Profile



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	
CT 200 007 V2	7	0.28	46	1.81	39	1.54	200	450	±5%	278	625	3	0.2	0.11	0.24
CT 200 010 V2	10	0.39	52	2.05	42	1.65				282	635	4	0.2	0.12	0.26
CT 200 012 V2	12.7	0.50	57.4	2.26	44.7	1.76				285	640	5	0.3	0.12	0.26
CT 200 016 V2	16	0.63	64	2.52	48	1.89				286	644	6	0.4	0.13	0.29
CT 200 019 V2	19	0.75	70	2.76	51	2.01				288	647	7	0.4	0.13	0.29
CT 200 025 V2	25	0.98	82	3.23	57	2.24				289	650	9	0.6	0.15	0.33
CT 200 032 V2	32	1.26	96	3.78	64	2.52				290	653	12	0.7	0.16	0.35
CT 200 038 V2	38	1.50	108	4.25	70	2.76				291	654	14	0.8	0.17	0.37
CT 200 050 V2	50	1.97	132	5.20	82	3.23				292	656	18	1.1	0.19	0.42
CT 200 063 V2	63.5	2.50	159	6.26	95.5	3.76				292	657	23	1.4	0.22	0.49
CT 200 080 V2	80	3.15	192	7.56	112	4.41	293	658	29	1.7	0.25	0.55			
CT 200 100 V2	100	3.94	232	9.13	132	5.20	293	659	36	2.2	0.29	0.64			

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



CT 200 V2
Low Profile

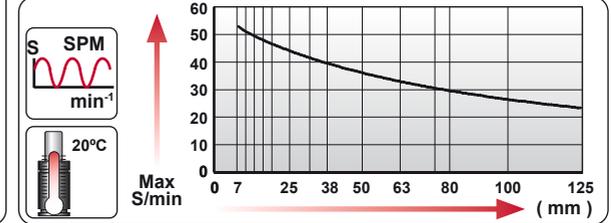
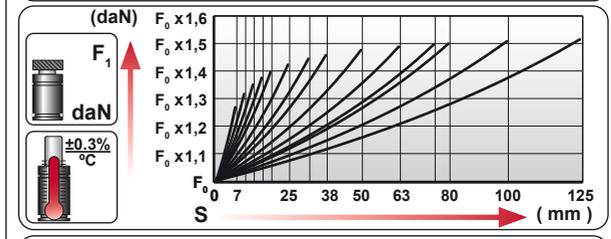
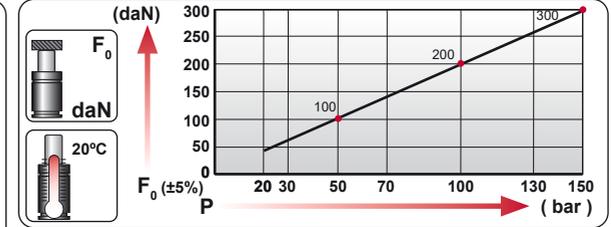
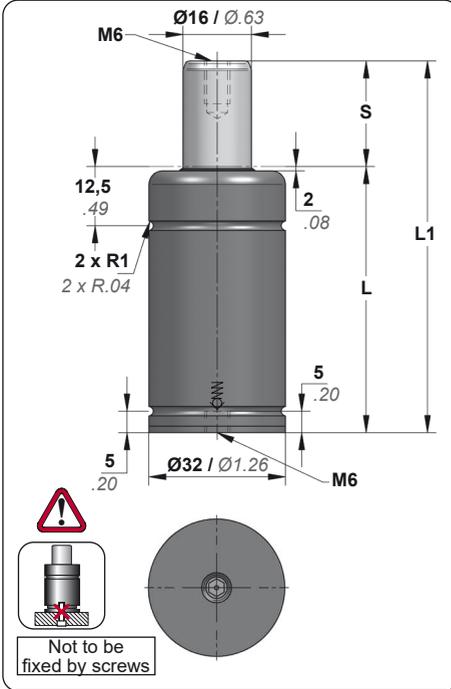
MODEL	AFC	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount
HOW TO ORDER		A14-025 A44-025 A49-025		A19-025	

CT 300 V2

Low Profile



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
CT 300 007 V2	7	0.28	51	2.01	44	1.73	300 ±5% 150 bar 2175 psi at 20°C 68°F	674	381	857	7	0.4	0.21	0.46
CT 300 010 V2	10	0.39	57	2.24	47	1.85			396	889	8	0.5	0.22	0.49
CT 300 013 V2	13	0.51	63	2.48	50	1.97			406	912	10	0.6	0.23	0.51
CT 300 016 V2	16	0.63	69	2.72	53	2.09			413	929	12	0.7	0.24	0.53
CT 300 019 V2	19	0.75	75	2.95	56	2.20			419	942	13	0.8	0.25	0.55
CT 300 025 V2	25	0.98	87	3.43	62	2.44			427	961	17	1.0	0.27	0.60
CT 300 032 V2	32	1.26	101	3.98	69	2.72			434	975	21	1.3	0.29	0.64
CT 300 038 V2	38	1.50	113	4.45	75	2.95			438	984	24	1.5	0.31	0.68
CT 300 050 V2	50	1.97	137	5.39	87	3.43			443	997	31	1.9	0.35	0.77
CT 300 063 V2	63	2.48	163	6.42	100	3.94			447	1005	39	2.3	0.40	0.88
CT 300 075 V2	75	2.95	187	7.36	112	4.41			450	1011	45	2.8	0.44	0.97
CT 300 080 V2	80	3.15	197	7.76	117	4.61			450	1012	48	2.9	0.46	1.01
CT 300 100 V2	100	3.94	237	9.33	137	5.39			453	1018	60	3.6	0.52	1.15
CT 300 125 V2	125	4.92	287	11.30	162	6.38			455	1023	74	4.5	0.61	1.34

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

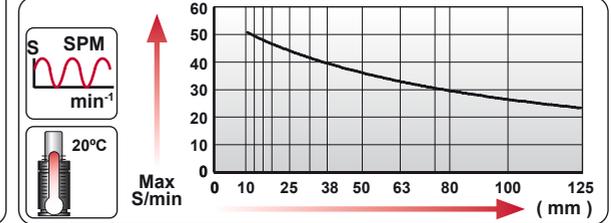
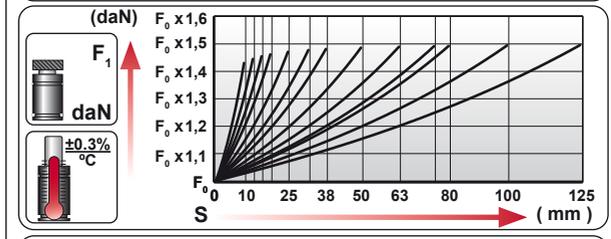
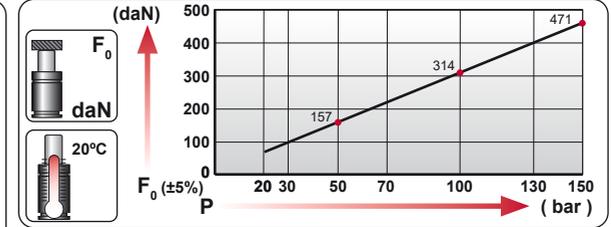
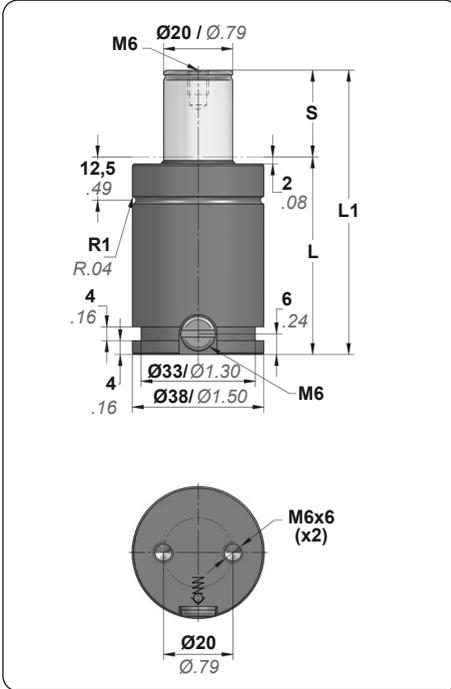
	50	50		50	50	50	50	50
	Ø32	Ø32		Ø32	Ø32	Ø32	Ø32	Ø32
	L1=142 L1=145 L1=154	L1=130 L1=140		L1=137 L1=139	L1=150 L1=150 L1=160	L1=150	L1=155	L1=195
MODEL	AFC/AFD AFNA AF	CW 350 KZ 350		CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount
HOW TO ORDER		A14-032 580 A34-032 582 A44-032 584			

CT 500

Low Profile



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
CT 500 010	10	0.39	52	2.05	42	1.65	470	1057	672	1511	10	0.6	0.26	0.57
CT 500 013	13	0.51	58	2.28	45	1.77								
CT 500 016	16	0.63	64	2.52	48	1.89								
CT 500 019	19	0.75	70	2.76	51	2.01								
CT 500 025	25	0.98	82	3.23	57	2.24								
CT 500 032	32	1.26	96	3.78	64	2.52								
CT 500 038	38	1.50	108	4.25	70	2.76								
CT 500 050	50	1.97	132	5.20	82	3.23								
CT 500 063	63	2.48	158	6.22	95	3.74								
CT 500 075	75	2.95	182	7.17	107	4.21								
CT 500 080	80	3.15	192	7.56	112	4.41								
CT 500 100	100	3.94	232	9.13	132	5.20								
CT 500 125	125	4.92	282	11.10	157	6.18								

TECHNICAL DATA

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

		50	50	50	50	50	50	50
		Ø38	Ø38	Ø38	Ø38	Ø38	Ø38	Ø38
		L1=130 L1=140	L1=150	L1=132 L1=137 L1=150	L1=150 L1=155	L1=150	L1=155 L1=160	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

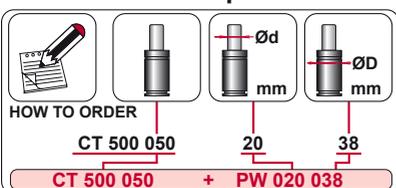
MOUNTING OPTIONS

	Drop-in Min. 80%L +1.0 Ø+0.5	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.

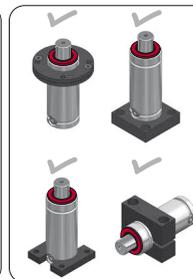
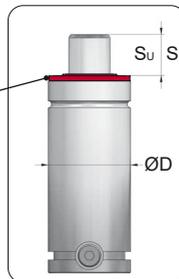
PW Protective Wiper



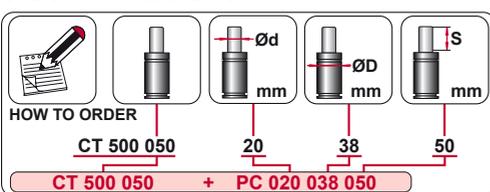
PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



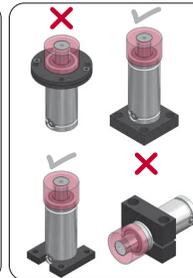
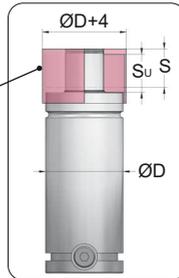
PC Protective Cover



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.

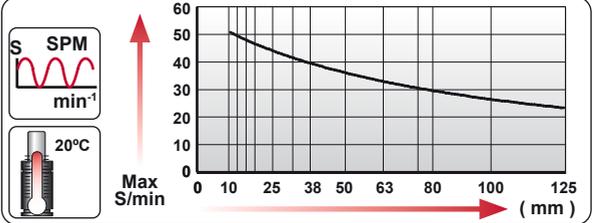
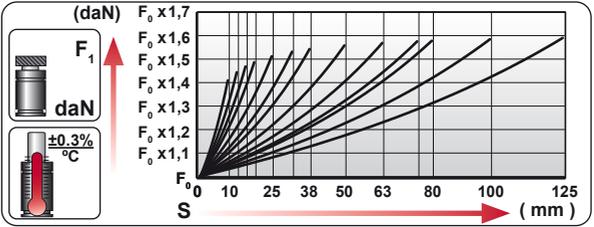
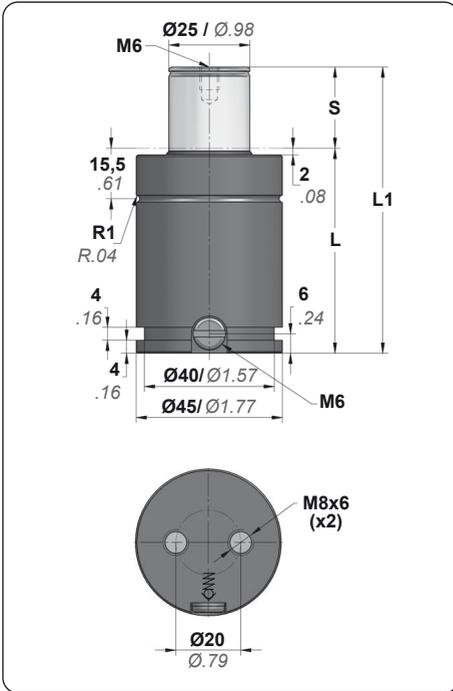


Protective Cover



CT 700

Low Profile



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.
CT 700 010	10	0.39	58	2.28	48	1.89	712	1601	1006	2261	17	1.0	0.44	0.97
CT 700 013	13	0.51	64	2.52	51	2.01								
CT 700 016	16	0.63	70	2.76	54	2.13								
CT 700 019	19	0.75	76	2.99	57	2.24								
CT 700 025	25	0.98	88	3.46	63	2.48								
CT 700 032	32	1.26	102	4.02	70	2.76								
CT 700 038	38	1.50	114	4.49	76	2.99								
CT 700 050	50	1.97	138	5.43	88	3.46								
CT 700 063	63	2.48	164	6.46	101	3.98								
CT 700 075	75	2.95	188	7.40	113	4.45								
CT 700 080	80	3.15	198	7.80	118	4.65								
CT 700 100	100	3.94	238	9.37	138	5.43								
CT 700 125	125	4.92	288	11.34	163	6.42								

TECHNICAL DATA													
Fluid	N ₂		Pmin Pmax	20 bar 150 bar		290 psi 2175 psi	Charging Adapter	06 CG 2-Q					
Smax	< 90%		Tmin Tmax	20°C / 68°F		0°C 80°C	Connection	CT-H 700 XXX					
Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C		32°F 176°F	Cartridge Kit	2538E150B					

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

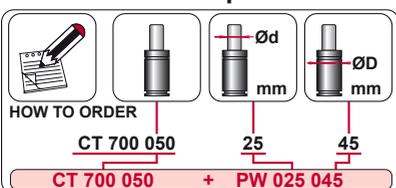
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-045 581 A34-045 582	B21-045 590 B76-045 594	C05-045 596 C20-045 598	D02-045 600 D67-045 602

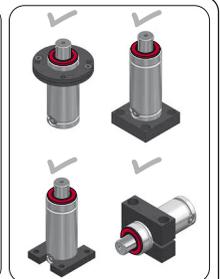
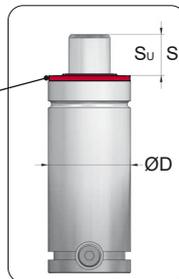
PROTECTION OPTIONS

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

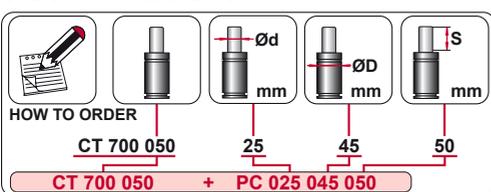


Protective Wiper

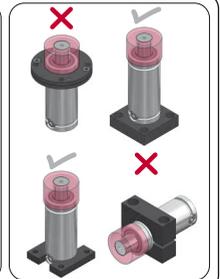
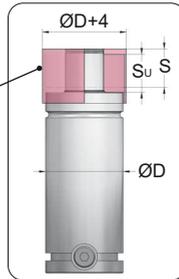


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

PC Protective Cover



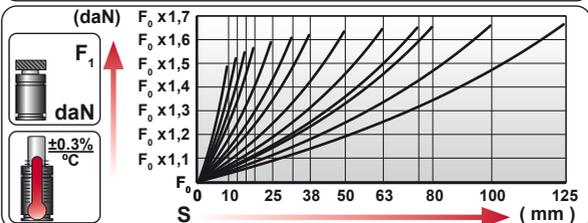
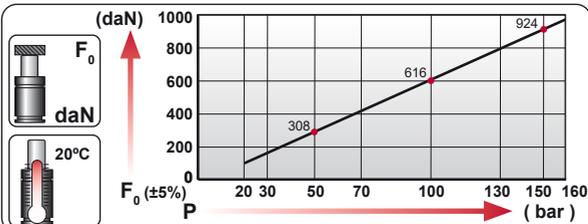
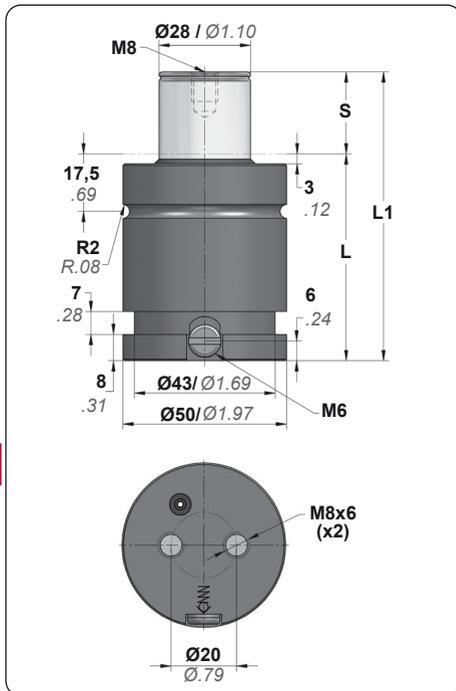
Protective Cover



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.

CT 1000 V1

Low Profile



VDI SAFETY

- $> S$
- $> V_{max}$
- $> P_{max}$

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
CT 1000 010 V1	10	0.39	58	2.28	48	1.89	985	2214	1503	3379	18	1.1	0.53	1.17
CT 1000 013 V1	13	0.51	64	2.52	51	2.01			1533	3446	22	1.4	0.56	1.23
CT 1000 016 V1	16	0.63	70	2.76	54	2.13			1553	3492	27	1.6	0.58	1.28
CT 1000 019 V1	19	0.75	76	2.99	57	2.24			1568	3525	31	1.9	0.61	1.34
CT 1000 025 V1	25	0.98	88	3.46	63	2.48			1588	3570	41	2.5	0.66	1.46
CT 1000 032 V1	32	1.26	102	4.02	70	2.76			1603	3604	51	3.1	0.72	1.59
CT 1000 038 V1	38	1.50	114	4.49	76	2.99			1612	3623	60	3.7	0.77	1.70
CT 1000 050 V1	50	1.97	138	5.43	88	3.46			1623	3649	78	4.8	0.87	1.92
CT 1000 063 V1	63	2.48	164	6.46	101	3.98			1631	3666	98	6.0	0.98	2.16
CT 1000 075 V1	75	2.95	188	7.40	113	4.45			1636	3677	116	7.1	1.08	2.38
CT 1000 080 V1	80	3.15	198	7.80	118	4.65			1637	3681	124	7.5	1.12	2.47
CT 1000 100 V1	100	3.94	238	9.37	138	5.43			1642	3692	154	9.4	1.29	2.84
CT 1000 125 V1	125	4.92	288	11.34	163	6.42			1646	3701	192	11.7	1.50	3.31

Force variation by temperature: $\pm 5\%$ at 160 bar / 2320 psi at 20°C / 68°F

TECHNICAL DATA															
Fluid	N_2		Pmin Pmax	20 bar / 290 psi		160 bar / 2320 psi		Charging Adapter	06 CG 2-Q						
Smax	< 90%		Tmin Tmax	20°C / 68°F		80°C / 176°F		Connection	CT-H 1000 XXX V1						
Vmax	1,6 m/s		Force variation by temperature	$\pm 0,3\% / ^\circ\text{C}$				Cardridge Kit	2840K169B						

		50	50	50	50	50	50	50
		$\varnothing 50$	$\varnothing 50$	$\varnothing 50$	$\varnothing 50$	$\varnothing 50$	$\varnothing 50$	$\varnothing 50$
		L1=138	L1=138	L1=170	L1=195	L1=165	L1=175	L1=220
		L1=148	L1=150	L1=185				
		L1=152	L1=150	L1=195				
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
	Min. 80%L				
HOW TO ORDER		A14-050 581 A34-050 582	B21-050 590 B76-050 594	C05-050 596 C20-050 598	D02-050 600 D67-050 602

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

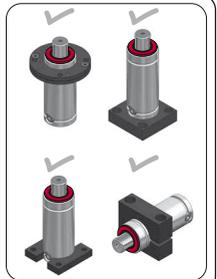
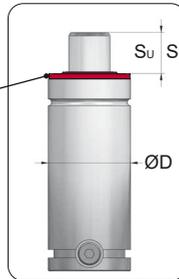
CT 1000 050 V1 28 50

CT 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

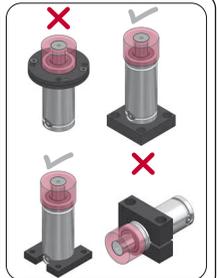
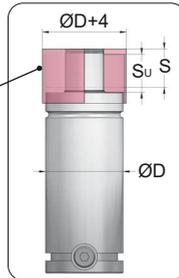
CT 1000 050 V1 28 50 50

CT 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.

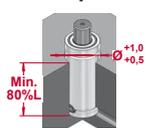


Protective Cover



							
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  581 A39-063  583 A69-063  583	B21-075  590 B76-075  594		D67-063  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



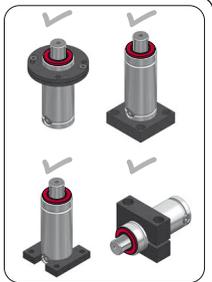
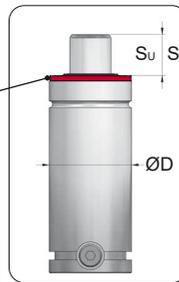
HOW TO ORDER

CT 1500 050 V1 36 63

CT 1500 050 V1 + PW 036 063



Protective Wiper



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

PC Protective Cover



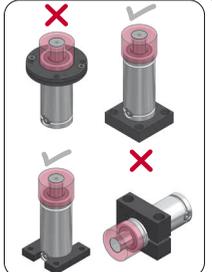
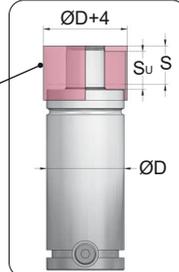
HOW TO ORDER

CT 1500 050 V1 36 63 50

CT 1500 050 V1 + PC 036 063 050



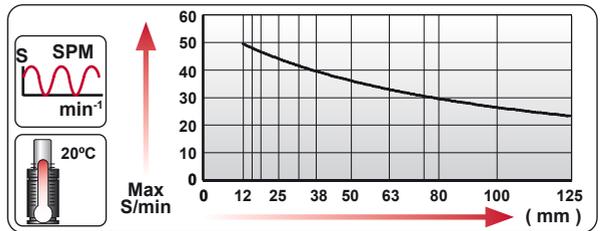
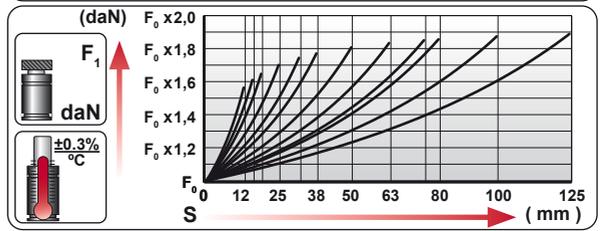
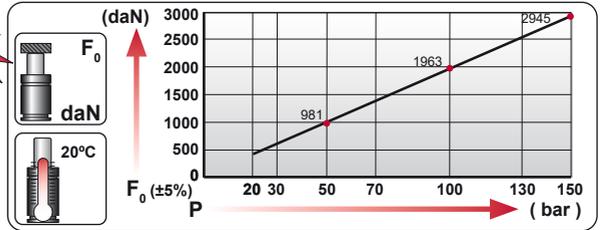
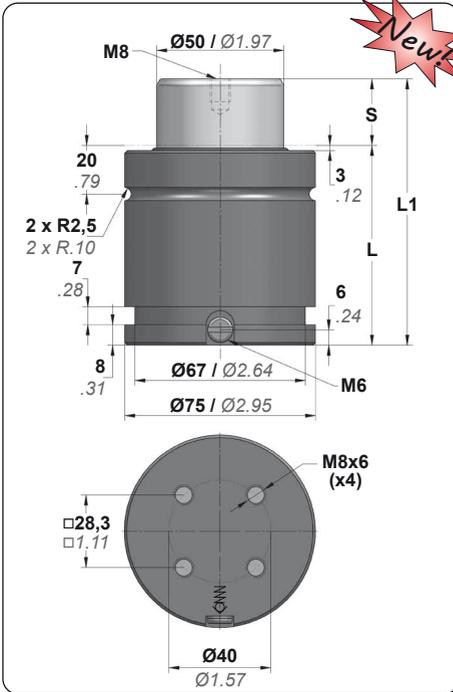
Protective Cover



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.

CT 3000 V1

Low Profile



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
CT 3000 012 V1	12	0.47	78	3.07	66	2.60	2945 6621 ±5% 150 bar 2175 psi at 20°C 68°F		4552	10234	67	4.1	1.69	3.73
CT 3000 016 V1	16	0.63	86	3.39	70	2.76		4744	10665	83	5.1	1.75	3.86	
CT 3000 019 V1	19	0.75	92	3.62	73	2.87		4852	10908	95	5.8	1.80	3.97	
CT 3000 025 V1	25	0.98	104	4.09	79	3.11		5011	11265	119	7.3	1.92	4.23	
CT 3000 032 V1	32	1.26	118	4.65	86	3.39		5137	11549	147	9.0	2.04	4.50	
CT 3000 038 V1	38	1.50	130	5.12	92	3.62		5215	11725	171	10.5	2.16	4.76	
CT 3000 050 V1	50	1.97	154	6.06	104	4.09		5324	11969	220	13.4	2.38	5.25	
CT 3000 063 V1	63	2.48	180	7.09	117	4.61		5401	12142	272	16.6	2.62	5.78	
CT 3000 075 V1	75	2.95	204	8.03	129	5.08		5451	12254	320	19.5	2.84	6.26	
CT 3000 080 V1	80	3.15	214	8.43	134	5.28		5468	12292	340	20.8	2.93	6.46	
CT 3000 100 V1	100	3.94	254	10.00	154	6.06	5520	12408	421	25.7	3.30	7.28		
CT 3000 125 V1	125	4.92	304	11.97	179	7.05	5562	12505	522	31.8	3.76	8.29		

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	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	CT-H 3000 XXX V1
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C		Cardridge Kit	5065P280A



CT 3000 V1
Low Profile

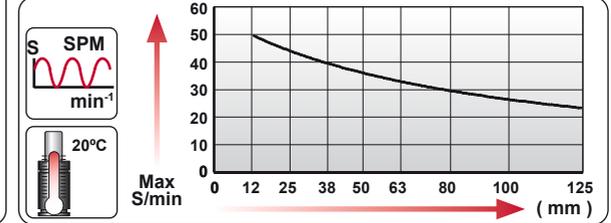
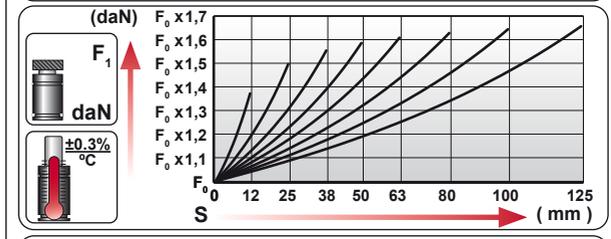
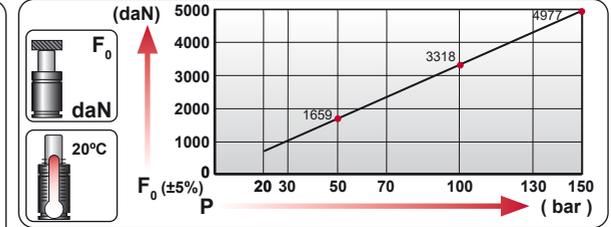
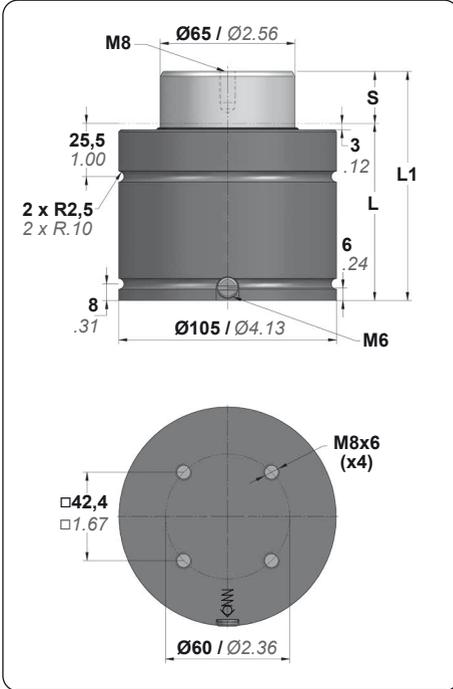
Ls mm L2 mm L1 mm	<p>50</p> <p>Ø75</p> <p>L1=145</p> <p>L1=155</p> <p>L1=159</p>	<p>50</p> <p>Ø75</p> <p>L1=154</p> <p>L1=160</p> <p>L1=160</p>	<p>50</p> <p>Ø75</p> <p>L1=185</p> <p>L1=195</p> <p>L1=210</p>	<p>50</p> <p>Ø75</p> <p>L1=210</p>	<p>50</p> <p>Ø75</p> <p>L1=175</p> <p>L1=200</p>	<p>50</p> <p>Ø75</p> <p>L1=240</p>	
	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

	<p>Drop-in</p> <p>Min. 80%L</p> <p>+1.0</p> <p>Ø+0.5</p>	<p>Top Mount</p>	<p>Base Mount</p>	<p>Foot Mount</p>	<p>Support Mount</p>
HOW TO ORDER		<p>A14-075 581</p> <p>A34-075 582</p>	<p>B21-075 590</p> <p>B76-075 594</p>	<p>C05-075 596</p> <p>C20-075 598</p>	<p>D02-075 601</p> <p>D67-075 602</p>

CT 5000

Low Profile



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
CT 5000 012	12	0.47	84	3.31	72	2.83	4980 ±5% 150 bar 2175 psi at 20°C 68°F	11195	6960	15647	140	8.5	3.48	7.67
CT 5000 025	25	0.98	110	4.33	85	3.35			7556	16986	243	14.8	3.92	8.64
CT 5000 038	38	1.50	136	5.35	98	3.86			7826	17594	347	21.2	4.37	9.63
CT 5000 050	50	1.97	160	6.30	110	4.33			7971	17920	442	27.0	4.78	10.54
CT 5000 063	63	2.48	186	7.32	123	4.84			8074	18152	546	33.3	5.22	11.51
CT 5000 080	80	3.15	220	8.66	140	5.51			8164	18353	681	41.5	5.80	12.79
CT 5000 100	100	3.94	260	10.24	160	6.30			8234	18510	840	51.2	6.49	14.31
CT 5000 125	125	4.92	310	12.20	185	7.28			8292	18640	1039	63.4	7.34	16.18

TECHNICAL DATA

Fluid	N ₂	Pmin Pmax	20 bar 290 psi / 150 bar 2175 psi	20°C / 68°F	Charging Adapter	06 CG 2-Q
Smax	< 90%	Tmin Tmax	0 °C / 32 °F / 80 °C / 176 °F	Connection	CT-H 5000 XXX	
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C	Cardridge Kit	6590W310A	



CT 5000
Low Profile

MODEL				CT 5000				

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-105 581	B21-105 590 B76-105 594		