



# GAS SPRINGS

**AZOL**  
**GAS** 



## MINI SERIES AF

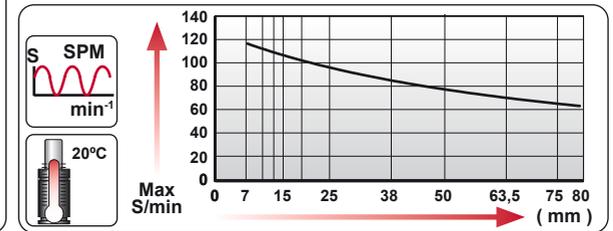
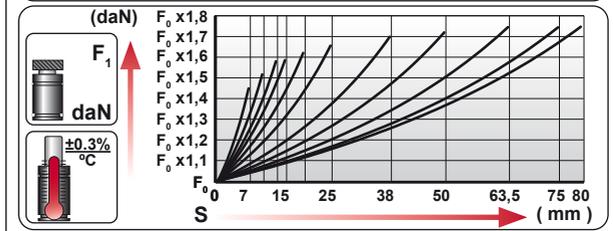
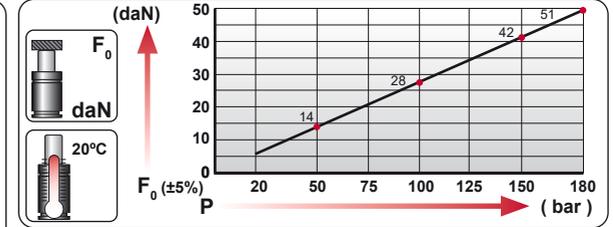
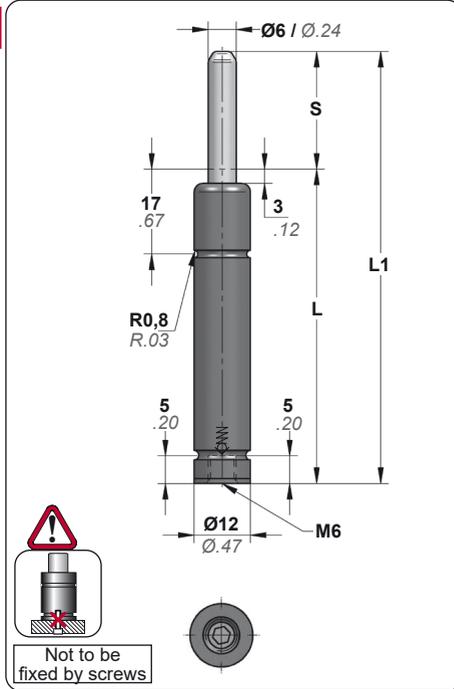
- Smallest size gas springs
- Lowest contact force (50-360 daN)
- Ideal replacement for coil springs
- Used as part ejectors, pushers or strippers

MODEL	F <sub>0</sub> daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
<b>AFB V2</b>	50 112	Ø12 Ø0.47	7 - 80 0.28 - 3.15	56 - 205 2.20 - 8.07	180 2610	M6	X	X
<b>AFH V1</b>	90 202	Ø15 Ø0.59	7 - 80 0.28 - 3.15	56 - 205 2.20 - 8.07	180 2610	M6	X	X
<b>AFJ V1</b>	90 202	Ø19 Ø0.75	7 - 125 0.28 - 4.92	56 - 295 2.20 - 11.61	180 2610	M6	X	X
<b>AFK V1</b>	100 225	Ø20 Ø0.79	10 - 80 0.39 - 3.15	74 - 214 2.91 - 8.43	160 2320	M6	X	X
<b>AFC</b>	200 450	Ø25 Ø0.98	7 - 125 0.28 - 4.92	56 - 295 2.20 - 11.61	180 2610	M6	X	✓
<b>AFNA</b>	200 450	Ø25 Ø0.98	10 - 50 0.39 - 1.97	65 - 145 2.56 - 5.71	180 2610	M6	X	✓
<b>AF V1</b>	200 450	Ø25 Ø0.98	12 - 100 0.47 - 3.94	78 - 254 3.07 - 10	180 2610	M6	X	X
<b>AFT V1</b>	360 809	Ø32 Ø1.26	7 - 125 0.28 - 4.92	56 - 295 2.20 - 11.61	180 2610	M6	X	X

	50	50	50	50	50	50	50	50
	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32
	L1=142	L1=130 L1=140	L1=137 L1=139	L1=150 L1=150	L1=150	L1=155	L1=195	
MODEL	AFT	CW 350 KZ 350	X	CT 300 CK 300	CM 350 CD 300	AG 150	CP 500	CS 770
SERIES	MINI	COMPACT HEIGHT	THREADED	LOW PROFILE	HEAVY DUTY	ISO	HEAVY LOAD	POWER SHORT STROKE

# AFB V2

Mini



**VDI SAFETY**

**STANDARS**

ORDER	S		L1 ±0.25		L			
	mm	inch	mm	inch	mm	inch	Kg.	lb
AFB --- 007 V2	7	0.28	56	2.20	49	1.93	0.03	0.07
AFB --- 010 V2	10	0.39	62	2.44	52	2.05	0.03	0.07
AFB --- 012 V2	12.7	0.50	67.4	2.65	54.7	2.15	0.04	0.09
AFB --- 015 V2	15	0.59	72	2.83	57	2.24	0.04	0.09
AFB --- 019 V2	19	0.75	80	3.15	61	2.40	0.04	0.09
AFB --- 025 V2	25	0.98	92	3.62	67	2.64	0.04	0.09
AFB --- 038 V2	38	1.50	118	4.65	80	3.15	0.05	0.11
AFB --- 050 V2	50	1.97	142	5.59	92	3.62	0.06	0.13
AFB --- 063 V2	63.5	2.50	172	6.77	108.5	4.27	0.07	0.15
AFB --- 075 V2	75	2.95	195	7.68	120	4.72	0.07	0.15
AFB --- 080 V2	80	3.15	205	8.07	125	4.92	0.08	0.18

ORDER	COLOR	P	
		bar	psi
AFB 13 050 V2	Green	45	650
AFB 25 050 V2	Blue	90	1305
AFB 38 050 V2	Red	135	1960
AFB 50 050 V2	Yellow	180	2610
AFB XX 050 V2	Black	20-180	290-2610

ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
	AFB 13 050 V2	13	29	20
AFB 25 050 V2	25	56	45	101
AFB 38 050 V2	38	85	65	146
AFB 50 050 V2	50	112	85	191
AFB XX 050 V2	6-50	13-112	10-85	22-191

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



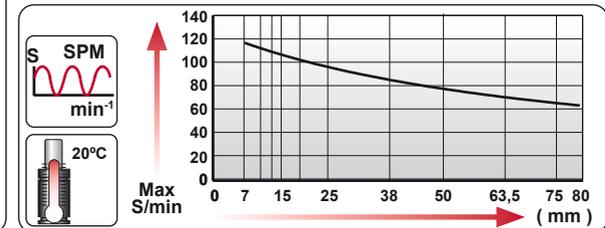
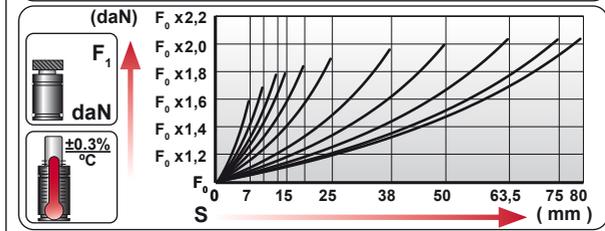
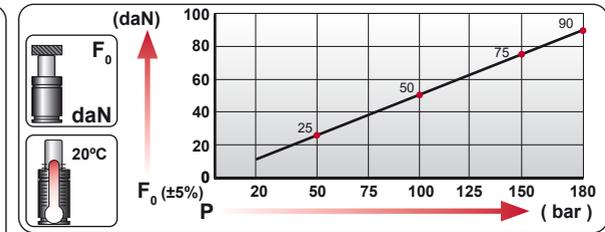
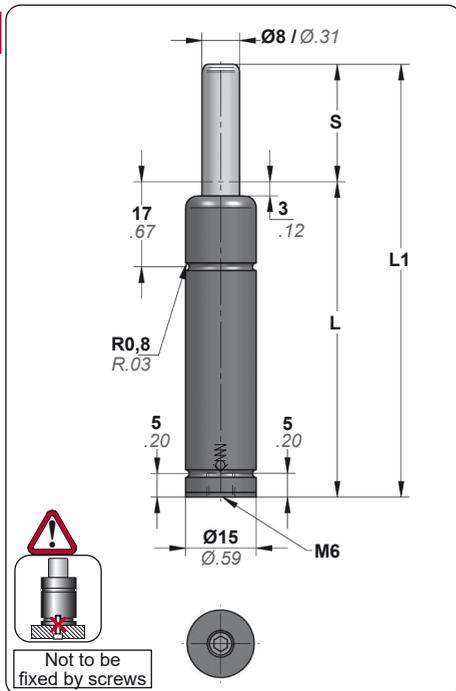
**AFB V2**  
Mini

<b>MODEL</b>								

<b>MOUNTING OPTIONS</b>					
	<b>Drop-in</b>	<b>Top Mount</b>	<b>Base Mount</b>	<b>Foot Mount</b>	<b>Support Mount</b>
<b>HOW TO ORDER</b>		<b>A14-012</b> 580 <b>A59-012</b> 585			

# AFH V1

Mini



## VDI SAFETY

## STANDARS



ORDER	S		L1 ±0.25		L		Kg. lb	
	mm	inch	mm	inch	mm	inch		
AFH ___ 007 V1	7	0.28	56	2.20	49	1.93	0.05	0.11
AFH ___ 010 V1	10	0.39	62	2.44	52	2.05	0.06	0.13
AFH ___ 012 V1	12.7	0.50	67.4	2.65	54.7	2.15	0.06	0.13
AFH ___ 015 V1	15	0.59	72	2.83	57	2.24	0.06	0.13
AFH ___ 019 V1	19	0.75	80	3.15	61	2.40	0.06	0.13
AFH ___ 025 V1	25	0.98	92	3.62	67	2.64	0.07	0.15
AFH ___ 038 V1	38	1.50	118	4.65	80	3.15	0.08	0.18
AFH ___ 050 V1	50	1.97	142	5.59	92	3.62	0.10	0.22
AFH ___ 063 V1	63.5	2.50	172	6.77	108.5	4.27	0.11	0.24
AFH ___ 075 V1	75	2.95	195	7.68	120	4.72	0.12	0.26
AFH ___ 080 V1	80	3.15	205	8.07	125	4.92	0.13	0.29

ORDER	COLOR	P	
		bar	psi
AFH 18 050 V1	Green	35	510
AFH 35 050 V1	Blue	70	1015
AFH 50 050 V1	Red	100	1450
AFH 70 050 V1	Yellow	140	2030
AFH XX 050 V1	Black	20-180	290-2610

ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
	AFH 18 050 V1	18	40	35
AFH 35 050 V1	35	79	70	157
AFH 50 050 V1	50	112	100	225
AFH 70 050 V1	70	157	140	315
AFH XX 050 V1	10-90	22-202	20-180	45-405

## TECHNICAL DATA

Fluid	N <sub>2</sub>	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	X
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C	Cardridge Kit	X



**AFH V1**  
Mini

<b>MODEL</b>								

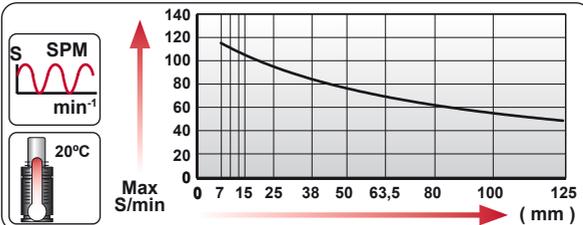
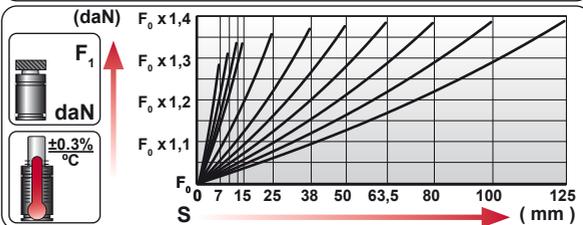
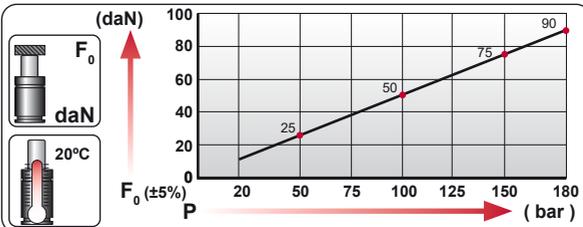
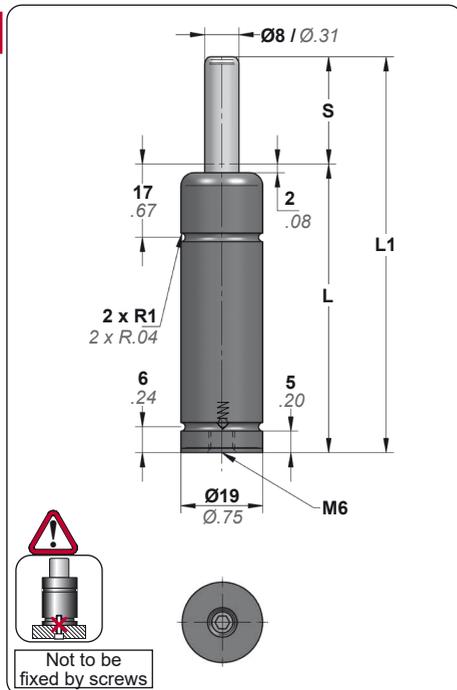
**MOUNTING OPTIONS**

	<b>Drop-in</b>	<b>Top Mount</b>	<b>Base Mount</b>	<b>Foot Mount</b>	<b>Support Mount</b>
<b>HOW TO ORDER</b>		<b>A14-015</b> 580 <b>A49-015</b> 584			

## AFJ V1

Mini

BMW B2 4006	FORD W-DX35-8036
MB B8 3180 220 000 002	
VW 39D 878	

**AZOL  
GAS**

**VDI  
SAFETY**

**STANDARS**


ORDER	S		L1 ±0.25		L		Kg.		lb
	mm	inch	mm	inch	mm	inch	mm	lb	
AFJ ___ 007 V1	7	0.28	56	2.20	49	1.93	0.08	0.18	
AFJ ___ 010 V1	10	0.39	62	2.44	52	2.05	0.08	0.18	
AFJ ___ 012 V1	12.7	0.50	67.4	2.65	54.7	2.15	0.08	0.18	
AFJ ___ 015 V1	15	0.59	72	2.83	57	2.24	0.09	0.20	
AFJ ___ 025 V1	25	0.98	92	3.62	67	2.64	0.10	0.22	
AFJ ___ 038 V1	38	1.50	118	4.65	80	3.15	0.12	0.26	
AFJ ___ 050 V1	50	1.97	142	5.59	92	3.62	0.13	0.29	
AFJ ___ 063 V1	63.5	2.50	172	6.77	108.5	4.27	0.15	0.33	
AFJ ___ 080 V1	80	3.15	205	8.07	125	4.92	0.17	0.37	
AFJ ___ 100 V1	100	3.94	245	9.65	145	5.71	0.19	0.42	
AFJ ___ 125 V1	125	4.92	295	11.61	170	6.69	0.22	0.49	

ORDER	COLOR	P	
		bar	psi
AFJ 30 050 V1	Green	60	870
AFJ 50 050 V1	Blue	100	1450
AFJ 70 050 V1	Red	140	2030
AFJ 90 050 V1	Yellow	180	2610
AFJ XX 050 V1	Black	20-180	290-2610

ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
	AFJ 30 050 V1	30	67	40
AFJ 50 050 V1	50	112	70	157
AFJ 70 050 V1	70	157	100	225
AFJ 90 050 V1	90	202	125	281
AFJ XX 050 V1	10-90	22-202	14-125	31-281

**TECHNICAL DATA**

	Fluid	N <sub>2</sub>		Pmin Pmax 20°C / 68°F	20 bar 180 bar 290 psi 2610 psi		Charging Adapter	06 CG 2-Q
	Sm <sub>max</sub>	< 90%		Tmin Tmax	0 °C 80 °C 32 °F 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

AFJ \_\_\_ 050      8      19

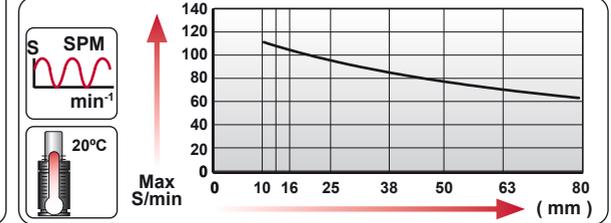
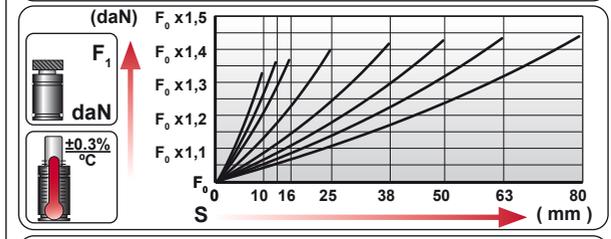
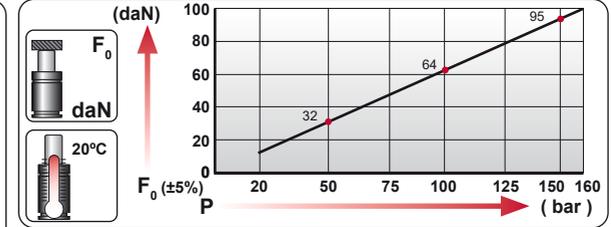
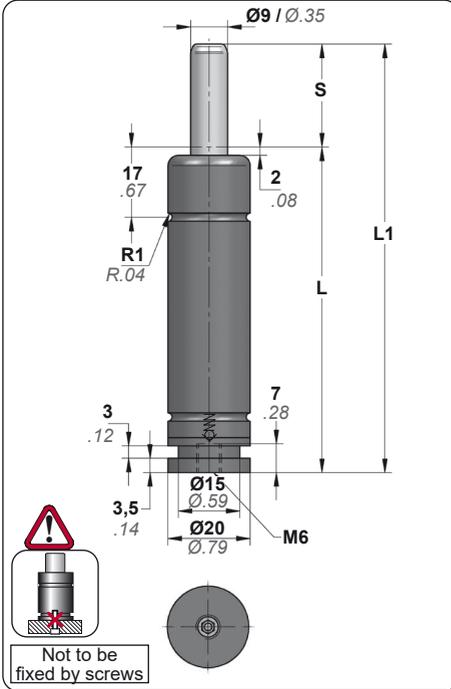
**AFJ \_\_\_ 050 + PG 008 019**

Protective Guard

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

# AFK V1

Mini



**VDI SAFETY**

**STANDARS**

ORDER	S		L1 $\pm 0.25$		L			
	mm	inch	mm	inch	mm	inch	Kg.	lb
AFK ___ 010 V1	10	0.39	74	2.91	64	2.52	0.12	0.26
AFK ___ 012 V1	12.7	0.50	79.4	3.13	66.7	2.63	0.12	0.26
AFK ___ 016 V1	16	0.63	86	3.39	70	2.76	0.13	0.29
AFK ___ 025 V1	25	0.98	104	4.09	79	3.11	0.14	0.31
AFK ___ 038 V1	38	1.50	130	5.12	92	3.62	0.16	0.35
AFK ___ 050 V1	50	1.97	154	6.06	104	4.09	0.18	0.40
AFK ___ 063 V1	63	2.48	180	7.09	117	4.61	0.19	0.42
AFK ___ 080 V1	80	3.15	214	8.43	134	5.28	0.22	0.49

ORDER	COLOR	P	
		bar	psi
AFK 25 050 V1	Green	40	580
AFK 50 050 V1	Blue	80	1160
AFK 75 050 V1	Red	120	1740
AFK 100 050 V1	Yellow	160	2320
AFK XXX 050 V1	Black	20-160	290-2320

ORDER	$F_0$ Initial Force $\pm 5\%$ 20°C 68°F		$F_1$ (ISOTHERMAL) End Force	
	daN	lb	daN	lb
AFK 25 050 V1	25	56	35	79
AFK 50 050 V1	50	112	70	157
AFK 75 050 V1	75	169	105	236
AFK 100 050 V1	100	225	140	315
AFK XXX 050 V1	13-100	29-225	18-140	40-315

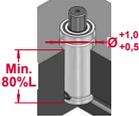
TECHNICAL DATA			
Fluid	$N_2$	Pmin Pmax 20°C / 68°F	20 bar 160 bar 290 psi 2320 psi
Smax	< 90%	Tmin Tmax	0 °C 80 °C 32 °F 176 °F
Vmax	1,6 m/s	Force variation by temperature	$\pm 0,3\% / ^\circ C$
Charging Adapter		Connection	06 CG 2-Q
Cardridge Kit			X



**AFK V1**  
Mini

								
								
								
<b>MODEL</b>								

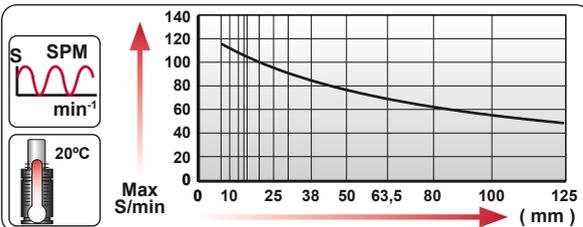
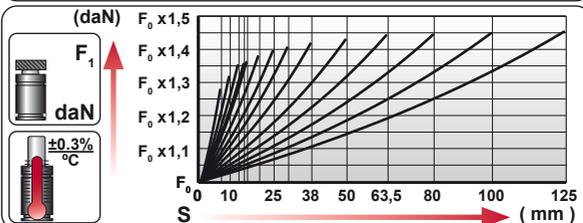
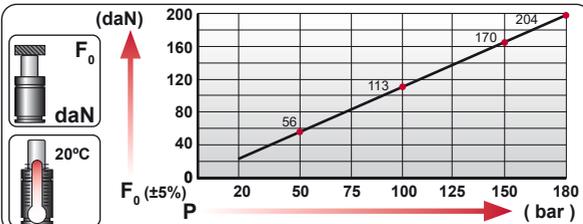
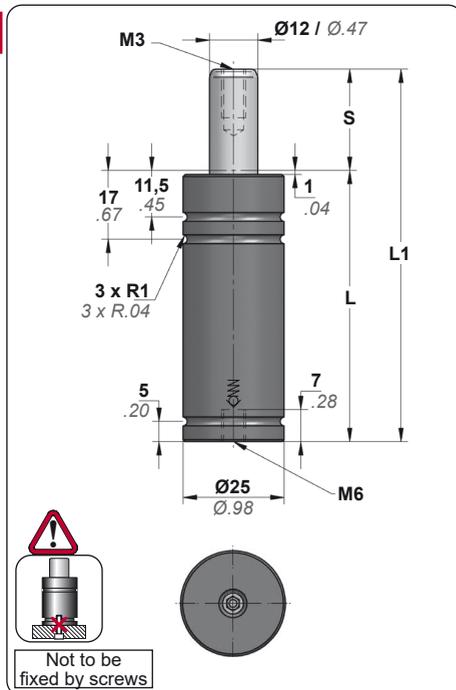
**MOUNTING OPTIONS**

	<p><b>Drop-in</b></p> 	<p><b>Top Mount</b></p> 	<p><b>Base Mount</b></p> 	<p><b>Foot Mount</b></p> 	<p><b>Support Mount</b></p> 
<b>HOW TO ORDER</b>					

**AFC**

Mini

BMW B2 4006	PSA E24.54.815.G
MB B8 3180 220 000 002	
VW 39D 878	

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

ORDER	S		L1 ±0.25		L		Kg.		lb
	mm	inch	mm	inch	mm	inch	mm	lb	
AFC ___ 007	7	0.28	56	2.20	49	1.93	0.15	0.33	
AFC ___ 010	10	0.39	62	2.44	52	2.05	0.16	0.35	
AFC ___ 012	12.7	0.50	67.4	2.65	54.7	2.15	0.16	0.35	
AFC ___ 015	15	0.59	72	2.83	57	2.24	0.17	0.37	
AFC ___ 016	16	0.63	74	2.91	58	2.28	0.17	0.37	
AFC ___ 020	20	0.79	82	3.23	62	2.44	0.18	0.40	
AFC ___ 025	25	0.98	92	3.62	67	2.64	0.19	0.42	
AFC ___ 030	30	1.18	102	4.02	72	2.83	0.20	0.44	
AFC ___ 038	38	1.50	118	4.65	80	3.15	0.21	0.46	
AFC ___ 050	50	1.97	142	5.59	92	3.62	0.24	0.53	
AFC ___ 063	63.5	2.50	172	6.77	108.5	4.27	0.27	0.60	
AFC ___ 080	80	3.15	205	8.07	125	4.92	0.30	0.66	
AFC ___ 100	100	3.94	245	9.65	145	5.71	0.34	0.75	
AFC ___ 125	125	4.92	295	11.61	170	6.69	0.39	0.86	

ORDER	COLOR	P	
		bar	psi
AFC 50 050	Green	45	650
AFC 100 050	Blue	90	1305
AFC 150 050	Red	135	1960
AFC 200 050	Yellow	180	2610
AFC XXX 050	Black	20-180	290-2610

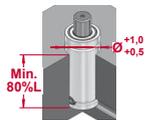
ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
AFC 50 050	50	112	70	157
AFC 100 050	100	225	145	326
AFC 150 050	150	337	215	483
AFC 200 050	200	450	285	641
AFC XXX 050	23-200	52-450	35-285	79-641

**TECHNICAL DATA**

Fluid	N <sub>2</sub>	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	<b>X</b>
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C	Cardridge Kit	00195108B

	50	50		50	50		50	50
	Ø25	Ø25		Ø25	Ø25		Ø25	Ø25
	L1=142 L1=145 L1=154	L1=130		L1=132 L1=133	L1=160		L1=160	L1=195
MODEL	AFC/AFD AFNA AF	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

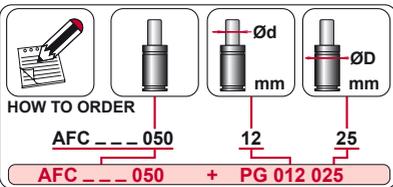
**MOUNTING OPTIONS**

	<b>Drop-in</b>  +1.0 Ø40.5 Min. 80%L	<b>Top Mount</b> 	<b>Base Mount</b> 	<b>Foot Mount</b> 	<b>Support Mount</b> 
HOW TO ORDER		A14-025  580 A44-025  584 A49-025  584			D02-025  600

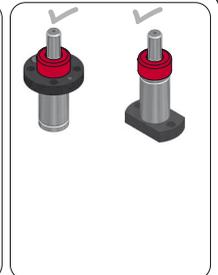
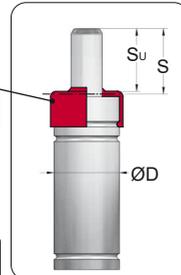
**PROTECTION OPTIONS**

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.

**PG Protective Guard**



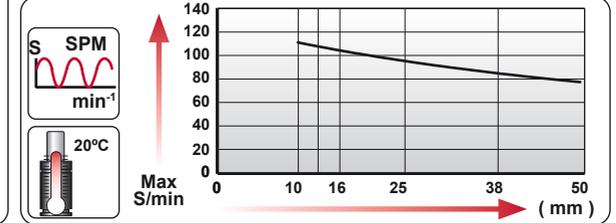
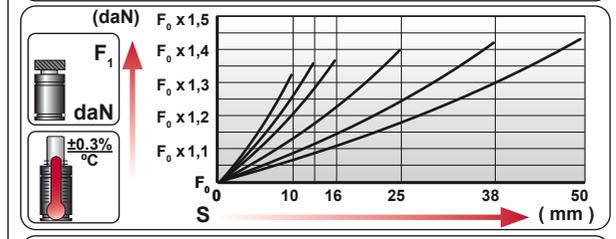
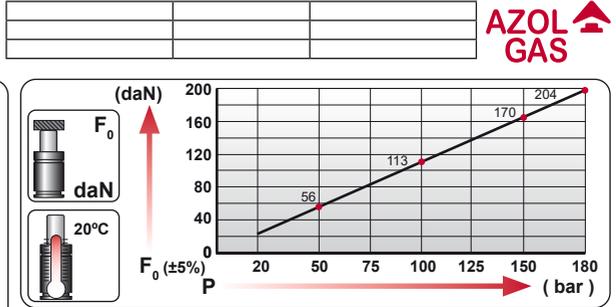
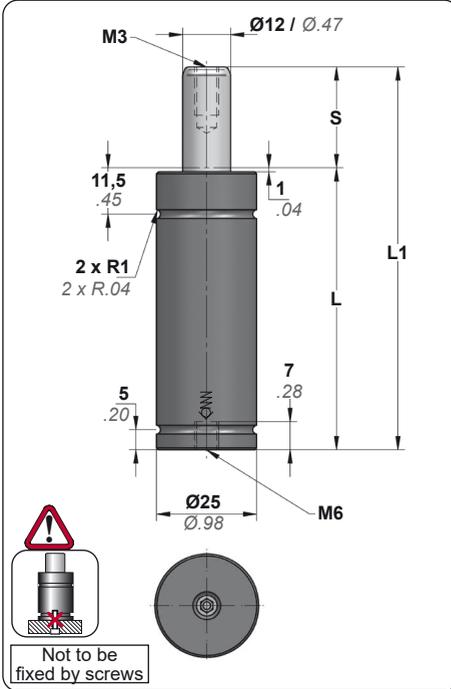
Protective Guard



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

**AFNA**

Mini



**VDI SAFETY**

**STANDARS**

ORDER	S		L1 ±0.25		L			
	mm	inch	mm	inch	mm	inch	Kg.	lb
AFNA ... 010	10	0.39	65	2.56	55	2.17	0.17	0.37
AFNA ... 012	12.7	0.50	70.4	2.77	57.7	2.27	0.17	0.37
AFNA ... 016	16	0.63	77	3.03	61	2.40	0.18	0.40
AFNA ... 025	25	0.98	95	3.74	70	2.76	0.20	0.44
AFNA ... 038	38	1.50	121	4.76	83	3.27	0.22	0.49
AFNA ... 050	50	1.97	145	5.71	95	3.74	0.25	0.55

ORDER	COLOR	P	
		bar	psi
AFNA 50 050	Green	45	650
AFNA 100 050	Blue	90	1305
AFNA 150 050	Red	135	1960
AFNA 200 050	Yellow	180	2610
AFNA XXX 050	Black	20-180	290-2610

ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
AFNA 50 050	50	112	70	157
AFNA 100 050	100	225	145	326
AFNA 150 050	150	337	215	483
AFNA 200 050	200	450	285	641
AFNA XXX 050	23-200	52-450	33-285	74-641

TECHNICAL DATA					
Fluid	N <sub>2</sub>	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	<b>X</b>
Vmax	1,6 m/s	Force variation by temperature	±0,3% / °C	Cardridge Kit	12Y0B170A



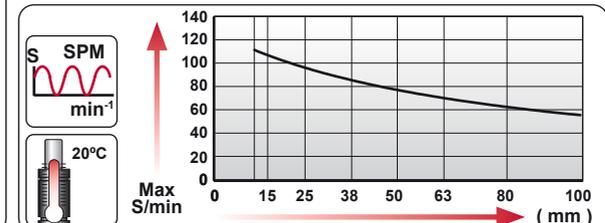
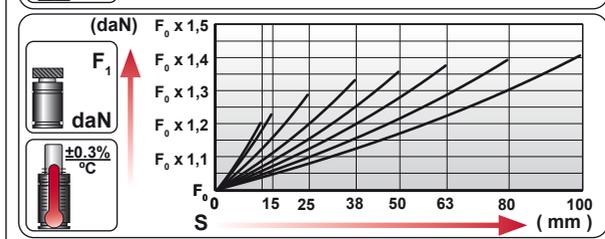
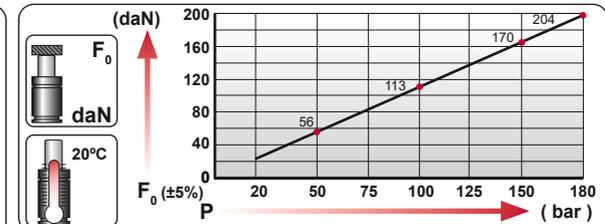
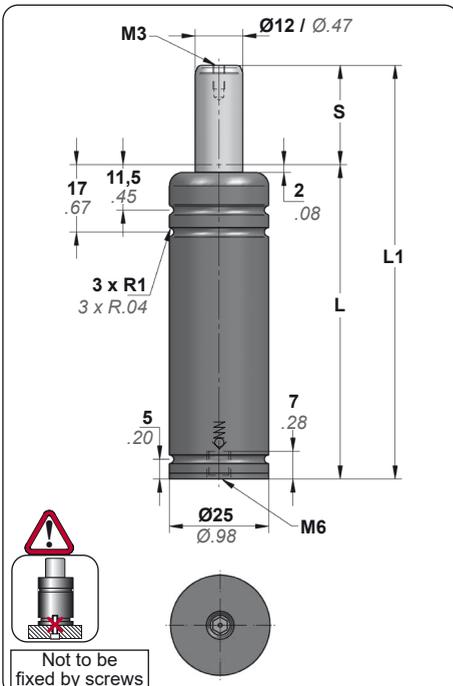
	50	50		50	50		50	50
	$\varnothing 25$	$\varnothing 25$		$\varnothing 25$	$\varnothing 25$		$\varnothing 25$	$\varnothing 25$
		L1=130		L1=132 L1=133	L1=160		L1=160	L1=195
	L1=142 L1=145 L1=154							
MODEL	AFC/AFD AFNA AF	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

### MOUNTING OPTIONS

	<b>Drop-in</b> 	<b>Top Mount</b> 	<b>Base Mount</b> 	<b>Foot Mount</b> 	<b>Support Mount</b> 
<b>HOW TO ORDER</b>		A14-025  580 A44-025  584 A49-025  584			D02-025  600

# AF V1

Mini



**VDI SAFETY**

**STANDARS**

ORDER	S		L1 ±0.25		L			
	mm	inch	mm	inch	mm	inch	Kg.	lb
AF ___ 012 V1	12	0.47	78	3.07	66	2.60	0.17	0.37
AF ___ 015 V1	15	0.59	84	3.31	69	2.72	0.18	0.40
AF ___ 025 V1	25	0.98	104	4.09	79	3.11	0.20	0.44
AF ___ 038 V1	38	1.50	130	5.12	92	3.62	0.22	0.49
AF ___ 050 V1	50	1.97	154	6.06	104	4.09	0.25	0.55
AF ___ 063 V1	63	2.48	180	7.09	117	4.61	0.27	0.60
AF ___ 080 V1	80	3.15	214	8.43	134	5.28	0.30	0.66
AF ___ 100 V1	100	3.94	254	10.00	154	6.06	0.34	0.75

ORDER	COLOR	P	
		bar	psi
AF 50 050 V1	Green	45	650
AF 100 050 V1	Blue	90	1305
AF 150 050 V1	Red	135	1960
AF 200 050 V1	Yellow	180	2610
AF XXX 050 V1	Black	20-180	290-2610

ORDER	F <sub>0</sub> Initial Force ±5% 20°C 68°F		F <sub>1</sub> (ISOTHERMAL) End Force	
	daN	lb	daN	lb
AF 50 050 V1	50	112	70	157
AF 100 050 V1	100	225	135	303
AF 150 050 V1	150	337	205	461
AF 200 050 V1	200	450	270	607
AF XXX 050 V1	23-200	52-450	30-270	67-607

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

	$\text{Ø}25$	$\text{Ø}25$		$\text{Ø}25$	$\text{Ø}25$		$\text{Ø}25$	$\text{Ø}25$
	L1=142 L1=145 L1=154	L1=130		L1=132 L1=133	L1=160		L1=160	L1=195
MODEL	AFC/AFD AFNA AF	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

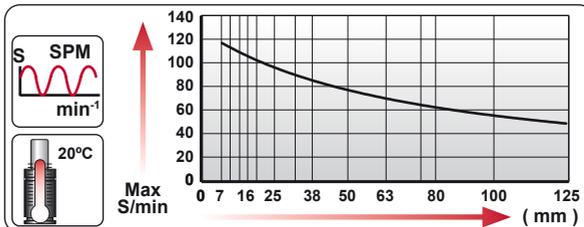
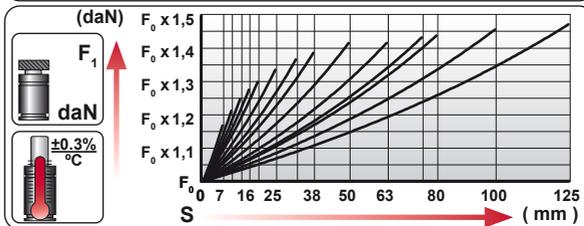
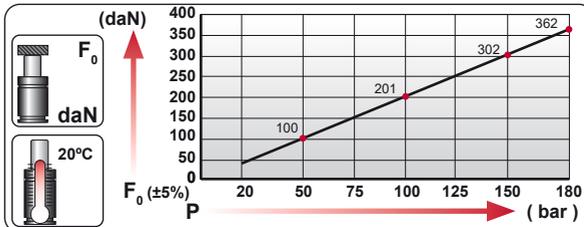
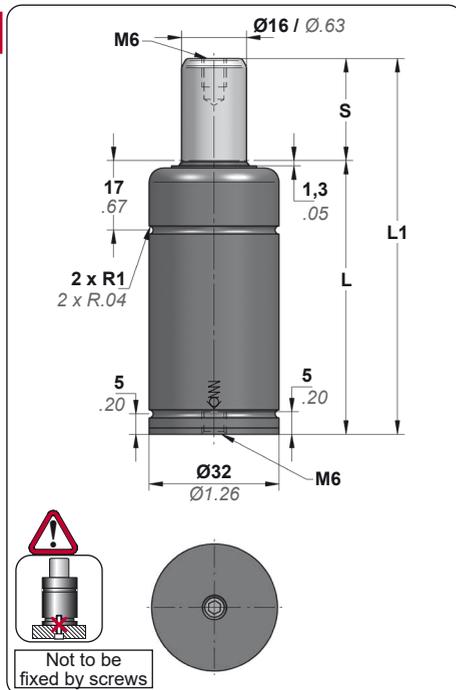
**MOUNTING OPTIONS**

	<b>Drop-in</b> 	<b>Top Mount</b> 	<b>Base Mount</b> 	<b>Foot Mount</b> 	<b>Support Mount</b> 
<b>HOW TO ORDER</b>		A14-025			

## AFT V1

Mini

	FORD W-DX35-8040	

**AZOL  
GAS**

**VDI  
SAFETY**
**STANDARS**


ORDER	S		L1 ±0.25		L		Kg.	
	mm	inch	mm	inch	mm	inch		
AFT ___ 007 V1	7	0.28	56	2.20	49	1.93	0.22	0.49
AFT ___ 010 V1	10	0.39	62	2.44	52	2.05	0.23	0.51
AFT ___ 013 V1	13	0.51	68	2.68	55	2.17	0.24	0.53
AFT ___ 016 V1	16	0.63	74	2.91	58	2.28	0.25	0.55
AFT ___ 019 V1	19	0.75	80	3.15	61	2.40	0.26	0.57
AFT ___ 025 V1	25	0.98	92	3.62	67	2.64	0.28	0.62
AFT ___ 032 V1	32	1.26	106	4.17	74	2.91	0.30	0.66
AFT ___ 038 V1	38	1.50	118	4.65	80	3.15	0.32	0.71
AFT ___ 050 V1	50	1.97	142	5.59	92	3.62	0.36	0.79
AFT ___ 063 V1	63	2.48	171	6.73	108	4.25	0.42	0.93
AFT ___ 075 V1	75	2.95	195	7.68	120	4.72	0.46	1.01
AFT ___ 080 V1	80	3.15	205	8.07	125	4.92	0.47	1.04
AFT ___ 100 V1	100	3.94	245	9.65	145	5.71	0.54	1.19
AFT ___ 125 V1	125	4.92	295	11.61	170	6.69	0.63	1.39

ORDER	COLOR	P	
		bar	psi
AFT 80 050 V1	Green	40	580
AFT 160 050 V1	Blue	80	1160
AFT 240 050 V1	Red	120	1740
AFT 310 050 V1	Yellow	155	2450
AFT XXX 050 V1	Black	20-180	290-2610

ORDER	$F_0$ Initial Force ±5% 20°C 68°F		$F_1$ (ISOTHERMAL) End Force	
	daN	lb	daN	lb
	AFT 80 050 V1	80	180	115
AFT 160 050 V1	160	360	225	506
AFT 240 050 V1	240	540	340	764
AFT 310 050 V1	310	697	440	989
AFT XXX 050 V1	40-360	90-809	65-600	146-1349

**TECHNICAL DATA**

Fluid	N <sub>2</sub>	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	50
	Ø32	Ø32		Ø32	Ø32	Ø32	Ø32	Ø32
	L1=142	L1=130 L1=140		L1=137 L1=139	L1=150 L1=150	L1=150	L1=155	L1=195
MODEL	AFT	CW 350 KZ 350		CT 300 CK 300	CM 350 CD 300	AG 150	CP 500	CS 770

**MOUNTING OPTIONS**

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