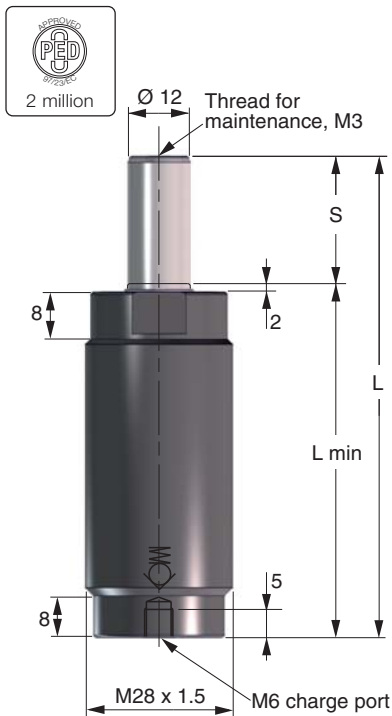


MM2



The MM2 is a version of the M2 spring with a threaded body, (M28 x 1.5). All internal parts and technical data are the same as for M2 springs (with the exception of strokes 63.5 to 125 whose total lengths are 3 mm shorter). Each spring is color-coded for easy identification of force rating.

We also offer a model with adjustable force (black) that can be customised to meet individual force requirements. The adjustable model may be set to desired pressure when ordered from us or by customers with charging equipment.

All MM2 springs can be repaired and recharged.

For locking the spring in the tool a lock nut is available.

Model	Force in N at +20°C	Force in lbf at +20°C	Color	Charging pressure (bar)
	Initial	Initial		
MM2	500	110	Green	45
MM2	1,000	225	Blue	90
MM2	1,500	340	Red	135
MM2	2,000	450	Yellow	180
MM2 XX *	280-2,000	63-450	Black	25-180

*Force to be set by the end user. Delivered with a pre-charge of 5-10 bar.

How to order

MM2 -10 - Black

Model
Stroke Length (mm)
(10, 12.7, 15, 16, 25, 38.1, 50, 63.5, 80, 100, 125)

Force:
Green
Blue
Red
Yellow
Black, state
desired force in N

S stroke	End force in N at +20°C*				End force in lbf at +20°C*				L ±0.25	L min.	Gas vol. (l)	Weight (kg)
	MM2	MM2	MM2	MM2	MM2	MM2	MM2	MM2				
10	770	1,530	2,300	3,060	173	344	517	689	62	52	0.005	0.14
12.7	770	1,530	2,300	3,070	173	344	517	690	67.4	54.7	0.006	0.15
15	770	1,540	2,310	3,070	173	346	519	690	72	57	0.007	0.16
16	770	1,540	2,310	3,070	173	346	519	690	74	58	0.007	0.16
25	770	1,540	2,310	3,080	173	346	519	692	92	67	0.010	0.18
38.1	770	1,540	2,320	3,090	173	346	522	695	118.2	80.1	0.015	0.20
50	770	1,540	2,320	3,090	173	346	522	695	142	92	0.019	0.22
63.5	760	1,520	2,270	3,020	171	342	510	679	169	105.5	0.024	0.26
80	760	1,520	2,280	3,040	171	342	513	683	202	122	0.029	0.30
100	760	1,520	2,290	3,050	171	342	515	686	242	142	0.036	0.33
125	760	1,530	2,290	3,060	171	344	515	689	292	167	0.044	0.39

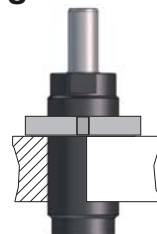
*at full stroke

Basic Information

For general information see "About gas springs", 2.1
 Pressure medium Nitrogen
 Max. charging pressure 180 bar
 Min. charging pressure 25 bar
 Operating temperature 0 to +80°C
 Force increase by temperature ±0.3%/°C
 Recommended max strokes/min ... ~ 80-100 (at 20°C)
 Max piston rod velocity 1.6 m/s

Rod surface..... Nitrided
 Tube surface Black oxide
 Repair kit 3016385

Mounting Possibilities



Thread mount
FRM