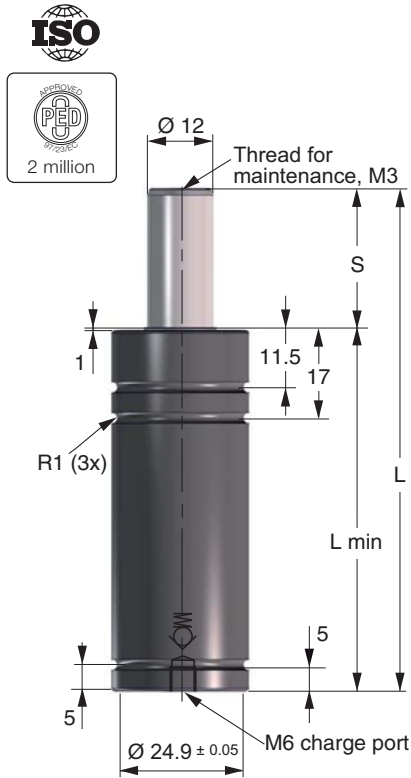


M2



The M2 is available in four preset models, with initial forces from 500 to 2000 N. The body of the spring and the mount are designed to meet the ISO-dimension found in ISO 11901 as well as in VDI 3003. 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.

The M2 spring can in many cases directly replace mechanical die springs of 25 mm (1 inch) diameter.

All M2 springs can be repaired and recharged. The spring can be attached to the tool, using a mount (FCR or SM). The M6 thread in the base of the spring is used for charging and is also a mounting option.

Model	Force in N at +20°C		Color	Charging pressure (bar)
	Initial	Initial		
M2	500	110	Green	45
M2	1,000	225	Blue	90
M2	1,500	340	Red	135
M2	2,000	450	Yellow	180
M2 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.

S stroke	End force in N at +20°C*				End force in lbf at +20°C*				L ±0.25 min.	L	Gas vol. (l)	Weight (kg)	ISO
	M2	M2	M2	M2	M2	M2	M2	M2					
10	770	1,530	2,300	3,060	173	344	689	689	62	52	0.005	0.14	
12.7	770	1,530	2,300	3,070	173	344	690	690	67.4	54.7	0.006	0.15	
** 15	770	1,540	2,310	3,070	173	346	690	690	72	57	0.007	0.16	✓
16	770	1,540	2,310	3,070	173	346	690	690	74	58	0.007	0.16	
** 25	770	1,540	2,310	3,080	173	346	692	692	92	67	0.010	0.18	✓
** 38.1	770	1,540	2,320	3,090	173	346	695	695	118.2	80.1	0.015	0.20	✓
** 50	770	1,540	2,320	3,090	173	346	695	695	142	92	0.019	0.22	✓
** 63.5	760	1,520	2,270	3,020	171	342	679	679	172		0.024	0.26	✓
** 80	760	1,520	2,280	3,040	171	342	683	683	205	125	0.029	0.30	✓
** 100	760	1,520	2,290	3,050	171	342	686	686	245	145	0.036	0.33	✓
** 125	760	1,530	2,290	3,060	171	344	689	689	295	170	0.044	0.39	✓

*at full stroke

** Recommended stroke length for optimal delivery

How to order

M2 -10 - Green

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

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

