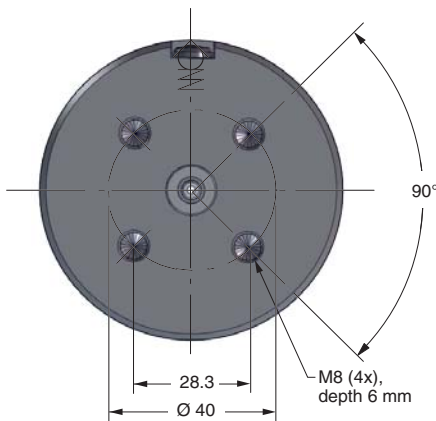
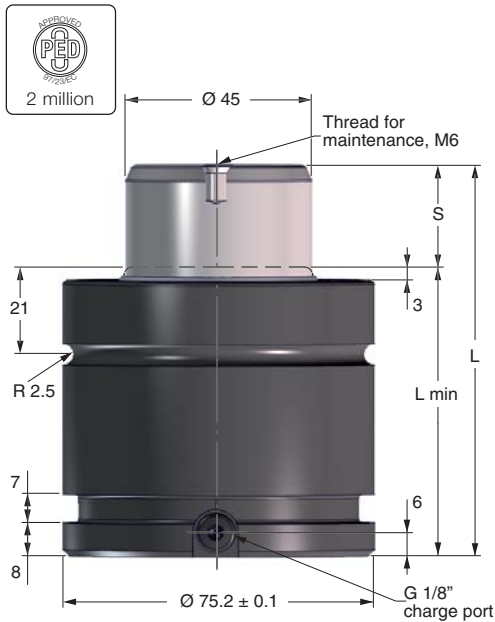


# X 2400



The Power Line Series includes our shortest and most powerful Piston Rod Sealed gas springs, offering impressive force in a very compact format.

These gas springs are available with forces from 1,700 N up to 200,000 N and stroke lengths between 7 and 125 mm.

There is a side port for gas charging that can also be used to connect to a hose system.

An upper C-groove, lower U-groove together with four M8 threaded holes allow various mounting possibilities using our standard mounts.

Order No.	S stroke	Force in N at 150 bar/+20°C		Force in lbf at 150		L ±0.25	L min.	Gas vol. (l)	Weight (kg)
		Initial	End force*	Initial	End force*				
X 2400-016	** 16	24,000	38,300	5,396	8,611	77	61	0.09	1.34
X 2400-019	19		38,500		8,656	83	64	0.10	1.38
X 2400-025	** 25		38,700		8,701	95	70	0.13	1.45
X 2400-032	32		38,600		8,678	109	77	0.16	1.56
X 2400-038	** 38		38,400		8,633	121	83	0.18	1.65
X 2400-050	** 50		39,200		8,813	145	95	0.23	1.84
X 2400-063	** 63		39,200		8,813	171	108	0.28	2.20
X 2400-075	75		39,200		8,813	195	120	0.33	2.26
X 2400-080	** 80		39,200		8,813	205	125	0.35	2.32
X 2400-100	** 100		39,300		8,835	245	145	0.43	2.66
X 2400-125	** 125		39,300		8,835	295	170	0.54	3.05

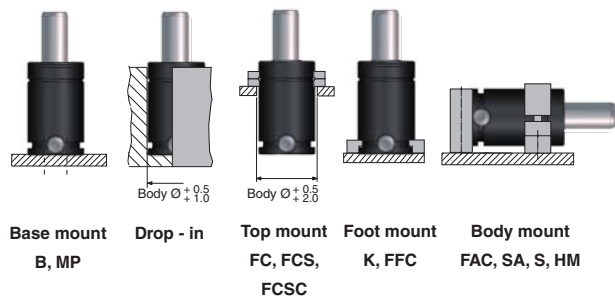
\* = at full stroke

\*\* Recommended stroke length for optimal delivery

## Basic Information

- For general information see "About gas springs", 2.1
- Pressure medium ..... Nitrogen
- Max. charging pressure ..... 150 bar (at 20°C)
- Min. charging pressure ..... 25 bar (at 20°C)
- Operating temperature ..... 0 to +80°C
- Force increase by temperature ..... ±0.3%/°C
- Recommended max strokes/min ... ~ 40 to 100 (at 20°C)
- Max piston rod velocity ..... 1.6 m/s
- Rod surface ..... Nitrided
- Tube surface ..... Black oxide
- Repair kit ..... 3018848
- The X 2400-016 and X 2400-019 are not possible to repair.

## Mounting Possibilities



**Note!** For dimensions on mounting possibilities K-1500, FAC-1500, SA-1500, HM-1500 and FCSC-1500 refer to Chapter 3.

# X 2400 Mounts

**MP**  
**ISO**

**Note!** Comes complete with screws to mount gas spring.

Order No.	a	b
MP-1500	100	73.5

**FC**  
**ISO**

Order No.	Ø a	Ø b	c	Ø d	e	f
FC-1500	122	104	73.5	11	16	29

**FCS**  
**ISO**

Order No.	Ø a	b	c	Ø d	e	f
FCS-1500	104	90	73.5	11	16	29

**FFC**  
**ISO**

Order No.	a	b	Ø c	Ø d	e	f
FFC-1500	100	73.5	104	11	24	12

**S**  
**ISO**

**Note!** Support S is designed to be used in combination with flanges mounted in the U or C groove or attachment B.

The mounting screw (M10) should be tightened with torque 52 Nm.

Order No.	Ø a	b	c	d	e	f	g	Ø h	i	j
S-1500	75.4	22.5	52.5	52.5	160	137	11.5	11	30	20

**Note!** For dimensions on mounting possibilities K-1500, FAC-1500, SA-1500, HM-1500 and FCSC-1500 refer to Chapter 3.