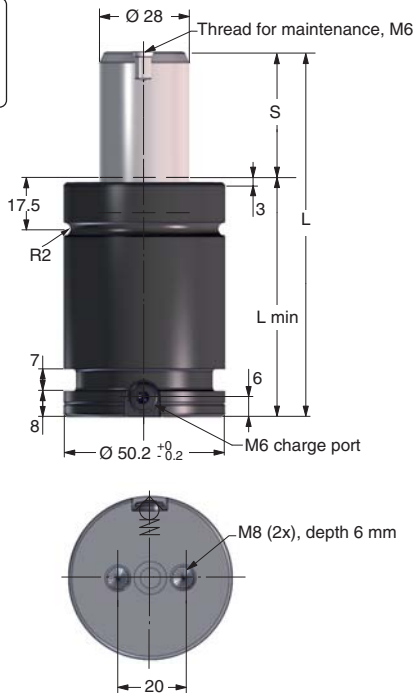


X 1000 and XMS 1000



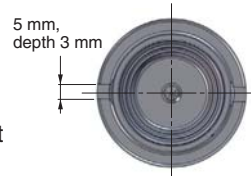
The Power Line Series includes our shortest and most powerful Piston Rod Sealed gas springs, offering impressive force in a very compact format.

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 two M8 threaded holes allow various mounting possibilities using our standard mounts.

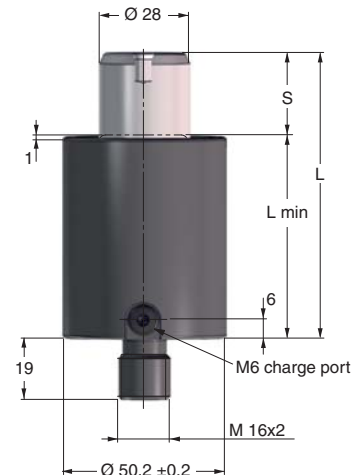
The X 1000 model is also available equipped with an M16 threaded tap for mounting. When ordering this version **XMS 1000-xxx** must be stated on the order



Order No.	S stroke	Force in N at 150 bar/+20°C		Force in lbf at 150 bar/+20°C		L ±0.25	L min.	Gas vol. (l)	Weight (kg)
		Initial	End force*	Initial	End force*				
X/XMS 1000-013	** 13	9,200	13,800	2,068	3,103	64	51	0.03	0.50
X/XMS 1000-016	** 16				3,103	70	54	0.04	0.52
X/XMS 1000-019	19				3,147	76	57	0.04	0.54
X/XMS 1000-025	** 25				3,192	88	63	0.05	0.59
X/XMS 1000-032	32				3,215	102	70	0.06	0.64
X/XMS 1000-038	** 38				3,260	114	76	0.07	0.70
X/XMS 1000-050	** 50				3,282	138	88	0.09	0.79
X/XMS 1000-063	** 63				3,305	164	101	0.11	0.89
X/XMS 1000-075	** 75				3,305	188	113	0.13	0.99
X/XMS 1000-080	** 80				3,327	198	118	0.14	1.03
X/XMS 1000-100	** 100				3,327	238	138	0.17	1.19
X/XMS 1000-125	** 125				3,327	288	163	0.21	1.39

* = at full stroke

** Recommended stroke length for optimal delivery

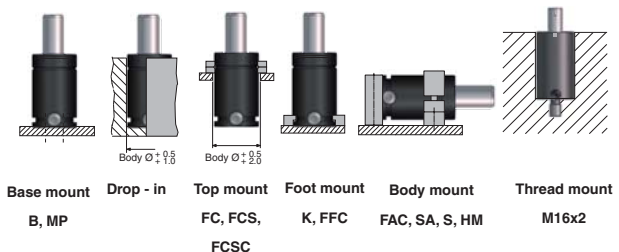


Basic Information

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.... ~50 to 100 (at 20°C)
 Max. piston rod velocity..... 1.6 m/s

Rod surface..... Nitrided
 Tube surface Black oxide
 Repair kit..... 3018847

Mounting Possibilities



Note! For dimensions on mounting possibilities K-750, FAC-750, SA-750, HM-750 and FCSC-750 refer to Chapter 3.

X 1000 Mounts

MP
ISO

Note! Comes complete with screws to mount gas spring.

Order No.	a	b
MP-750	75	56.5

FC
ISO

Order No.	Ø a	Ø b	c	Ø d	e	f
FC-750	95	80	56.5	9	13	24

FCS
ISO

Order No.	Ø a	b	c	Ø d	e	f
FCS-750	80	70	56.5	9	13	24

FFC
ISO

Order No.	a	b	Ø c	Ø d	e	f
FFC-750	75	56.5	80	9	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 (M8) should be tightened with torque 25 Nm.

Order No.	Ø a	b	c	d	e	f	g	Ø h	i	j
S-750	50.4	20	40	40	130	110	10	9	30	20

Note! For dimensions on mounting possibilities K-750, FAC-750, SA-750, HM-750 and FCSC-750 refer to Chapter 3.