

The Power Line – Heavy Duty Series is a crossover between the standard TU Series and the Power Line X Series.

These gas springs are available with forces from 7,400 N up to 200,000 N and stroke lengths between 13 and 300 mm.

There is an optional bottom port for hose/base plate connection.

An upper C-groove, lower U-groove and bottom 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 bar/+20°C		L ±0.25	L min.	Gas vol. (l)	Weight (kg)
		Initial	End force*	Initial	End force*				
TX 1500-013	13		17,700		3,979	121	108	0.10	1.76
TX 1500-025	25		19,100		4,294	145	120	0.13	1.89
TX 1500-038	38		20,000		4,496	171	133	0.17	2.04
TX 1500-050	50		20,600		4,631	195	145	0.20	2.18
TX 1500-063	63		21,100		4,743	221	158	0.23	2.33
TX 1500-075	75		21,500		4,833	245	170	0.27	2.47
TX 1500-080	80		21,600		4,856	255	175	0.28	2.52
TX 1500-100	100	15,000	21,700	3,372	4,878	295	195	0.33	2.76
TX 1500-125	125		22,400		4,968	345	220	0.40	3.04
TX 1500-150	150		22,500		5,036	395	245	0.47	3.33
TX 1500-160	160		22,600		5,058	415	255	0.50	3.44
TX 1500-175	175		22,600		5,081	445	270	0.54	3.61
TX 1500-200	200		22,800		5,126	495	295	0.60	3.90
TX 1500-250	250		23,000		5,171	595	345	0.74	4.47
TX 1500-300	300		23,200		5,216	695	395	0.87	5.05

\* = at full stroke

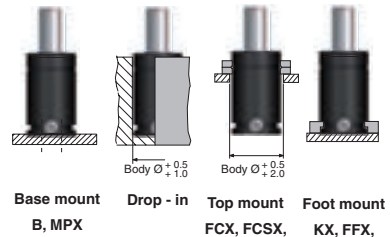
## Basic Information

For general information see "About gas springs"

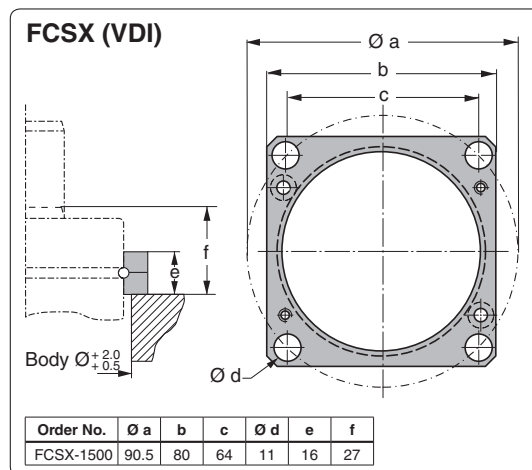
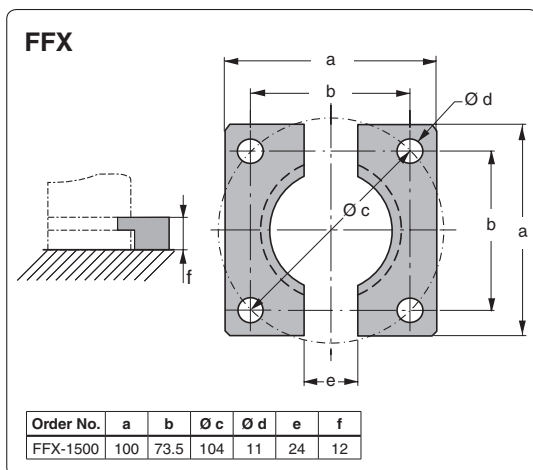
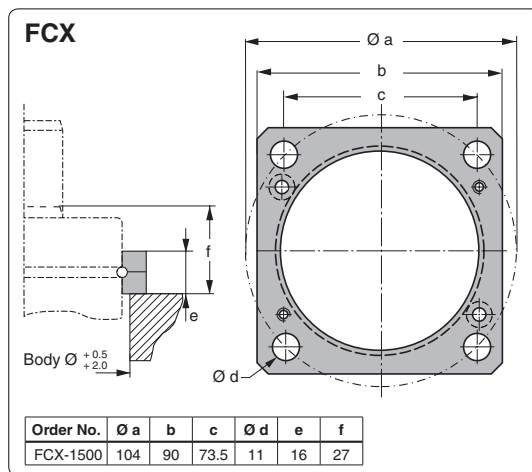
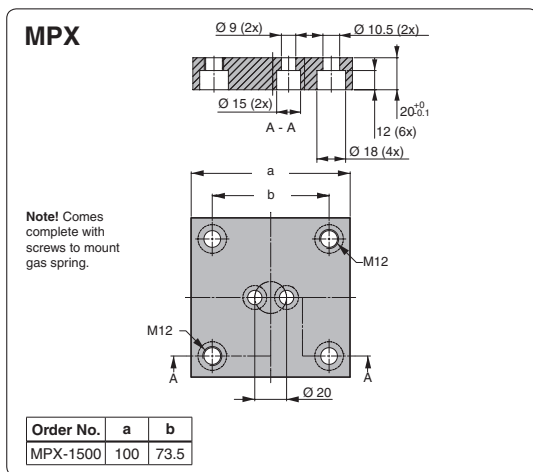
- Pressure medium ..... Nitrogen
- Max. charging pressure ..... 150 bar (at 20°C)
- Min. charging pressure ..... 25 bar (at 20°C)
- Operating temperature ..... 0 to +80°C
- Force increase by temperature ..... ±0.3%/°C
- Recommended max strokes/min ..... ~ 15-100 (at 20°C)
- Max piston rod velocity ..... 1.6 m/s

- Rod surface ..... Nitrided
- Tube surface ..... Black oxide
- Repair kit ..... 3026202

## Mounting Possibilities



**Note!** For dimensions on mounting possibilities KX-1500, HMF-X1500 and FCSCX-1500 refer to "Special Mounts".



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