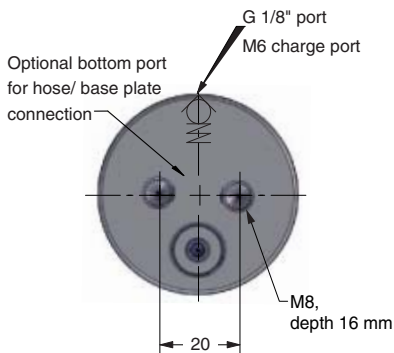
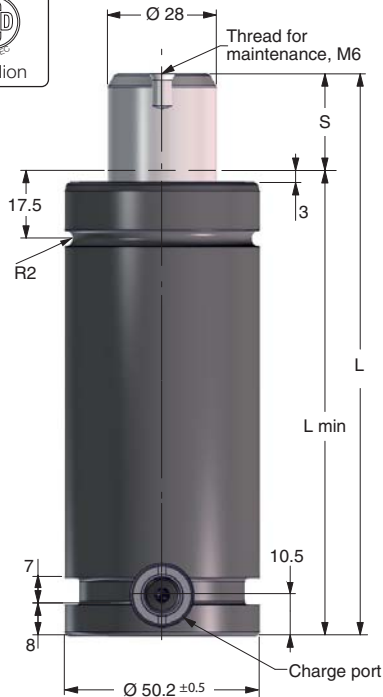


# TX 1000



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 1000-013	**	13	11,200	2,525	121	108	0.06	1.17	
TX 1000-025	**	25	12,100	2,725	145	120	0.07	1.27	
TX 1000-038	**	38	12,800	2,875	171	133	0.09	1.32	
TX 1000-050	**	50	13,200	2,975	195	145	0.11	1.37	
TX 1000-063	**	63	13,500	3,050	221	158	0.13	1.58	
TX 1000-075		75	13,700	3,075	245	170	0.15	1.71	
TX 1000-080	**	80	13,800	3,100	255	175	0.16	1.73	
TX 1000-100	**	100	14,100	3,175	295	195	0.19	1.90	
TX 1000-125	**	125	14,300	3,225	345	220	0.23	2.11	
TX 1000-150		150	14,500	3,250	395	245	0.27	2.32	
TX 1000-160	**	160	14,500	3,250	415	255	0.28	2.40	
TX 1000-175		175	14,600	3,275	445	270	0.30	2.53	
TX 1000-200	**	200	14,700	3,300	495	295	0.34	2.74	
TX 1000-250	**	250	14,800	3,325	595	345	0.42	2.16	
TX 1000-300	**	300	14,900	3,350	695	395	0.49	3.58	

\* = at full stroke

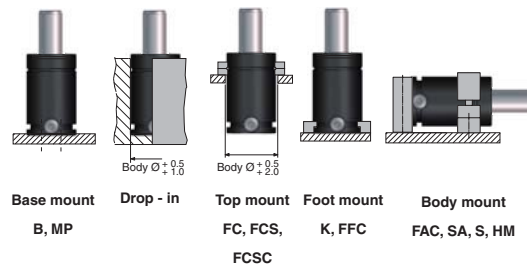
\*\* Recommended stroke length for optimal delivery

## 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 ..... 3023788

## Mounting Possibilities



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