

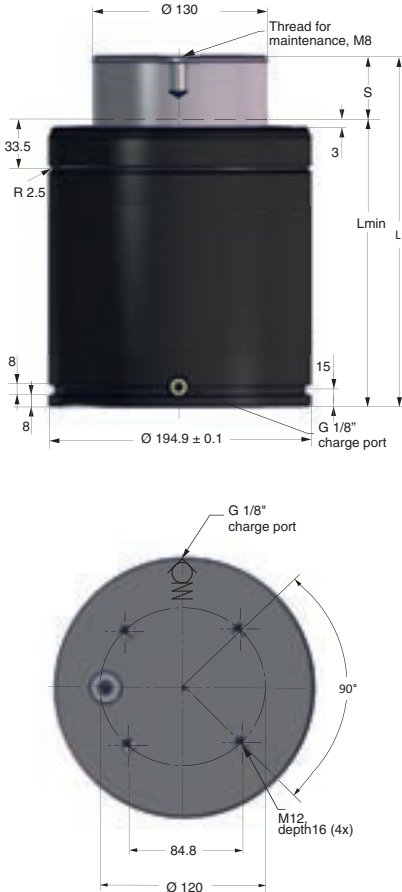


The Power Line - Heavy Duty series is a crossover between the standard TU Series and the Power Line X Series.

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 20000-025	25		242,000		54,404	210	185	2.03	28.20
TX 20000-038	38		256,400		57,640	236	198	2.41	29.57
TX 20000-050	50		266,800		59,980	260	210	2.77	30.83
TX 20000-063	63		276,000		62,048	286	223	3.15	32.20
TX 20000-075	75		283,100		63,644	310	235	3.51	33.46
TX 20000-080	80		285,700		64,228	320	240	3.66	33.98
TX 20000-100	100	200,000	294,600	44,960	66,229	360	260	4.25	36.09
TX 20000-125	125		303,100		68,140	410	285	5.00	38.71
TX 20000-150	150		309,700		69,624	460	310	5.74	41.34
TX 20000-160	160		312,000		70,140	480	320	6.04	42.39
TX 20000-175	175		315,000		70,815	510	335	6.48	43.97
TX 20000-200	200		319,000		71,714	560	360	7.23	46.60
TX 20000-250	250		325,600		73,198	660	410	8.71	51.85
TX 20000-300	300		330,600		72,322	760	460	10.20	57.11

\*\* = at full stroke

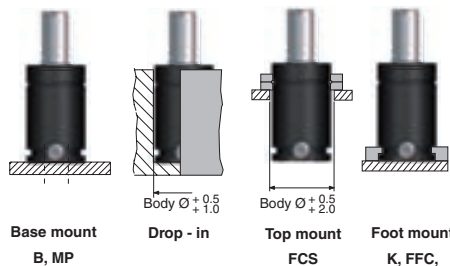
## Basic Information

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..... 3026204

## Mounting Possibilities



**Note!** For dimensions on mounting possibility K-10000 refer to "Special Mounts".

**MP**  
**ISO**

Note! Comes complete with screws to mount gas spring.

Order No.	a	b
MP-10000	210	170

**FCS**  
**ISO**

Body  $\varnothing \begin{smallmatrix} +2.0 \\ -0.5 \end{smallmatrix}$

Order No.	$\varnothing a$	b	c	$\varnothing d$	e	f
FCS-10000	240.4	210	170	17.5	27	47

**FFC**  
**ISO**

Order No.	a	b	$\varnothing c$	$\varnothing d$	e	f
FFC-10000	210	170	240.4	17.5	24	13

**Note!** For dimensions on mounting possibility K-10000 refer to "Special Mounts".