

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 750-013	13		12,000		2,700	111	98	0.04	0.85
TX 750-025	25		12,000		2,700	135	110	0.06	0.93
TX 750-038	38		12,000		2,700	161	123	0.07	1.01
TX 750-050	50		12,000		2,700	185	135	0.09	1.09
TX 750-063	63		12,000		2,700	211	148	0.11	1.17
TX 750-075	75		12,000		2,700	235	160	0.12	1.25
TX 750-080	80	7,400	12,000	1,665	2,700	245	165	0.13	1.28
TX 750-100	100		12,000		2,700	285	185	0.15	1.41
TX 750-125	125		12,100		2,720	335	210	0.19	1.56
TX 750-150	150		12,100		2,720	385	235	0.22	1.72
TX 750-160	160		12,100		2,720	405	245	0.23	1.79
TX 750-175	175		12,000		2,720	435	260	0.25	1.88
TX 750-200	200		12,100		2,720	485	285	0.28	2.04

* = at full stroke

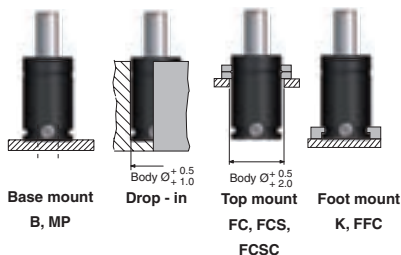
Basic Information

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 3026200

Mounting Possibilities



Note! For dimensions on mounting possibilities K-500 and FCSC-500 refer to "Special Mounts".

MP
ISO

Note! Comes complete with screws to mount gas spring.

Order No.	a	b
MP-500	70	50

FC
ISO

Order No.	Ø a	Ø b	c	Ø d	e	f
FC-500	86	70.7	50	9	13	23

FCS
ISO

Order No.	Ø a	b	c	Ø d	e	f
FCS-500	70.7	64	50	9	13	23

FFC
ISO

Order No.	a	b	Ø c	Ø d	e	f
FFC-500	70	50	70.7	9	20	6.5

S
ISO

Note! Support S is designed to be used in combination with flanges mounted in the U or C groove or mount option 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-500	45.4	17	29	30	100	82	9	9	20	15

Note! For dimensions on mounting possibility K-500 refer to "Special Mounts".