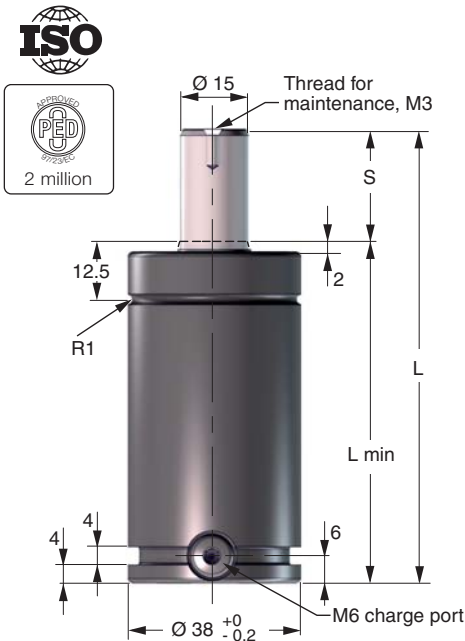
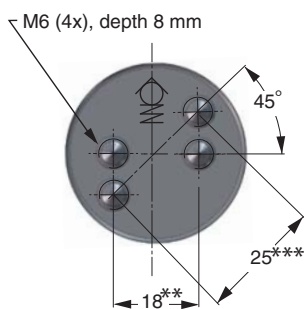


TU 250



The TU line constitutes our standard line of gas springs. Sizes 250 to 10000 conform to the ISO 11901 gas spring standard as well as VDI 3003.

The total length L is 50 mm + (2 × stroke).



** = VDI mounting holes

*** = KALLER mounting holes

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)	ISO
		Initial	End force*	Initial	End force*					
TU 250-010	** 10	2,650	3,500	600	790	70	60	0.011	0.40	✓
TU 250-013	** 12.7		3,500			75.4	62.7	0.013	0.42	
TU 250-016	** 16		3,500			82	66	0.016	0.43	✓
TU 250-025	** 25		3,500			100	75	0.023	0.48	✓
TU 250-038	** 38.1		3,500			126.2	88.1	0.032	0.54	
TU 250-050	** 50		3,500			150	100	0.041	0.60	✓
TU 250-064	** 63.5		3,500			177	113.5	0.051	0.67	
TU 250-080	** 80		3,500			210	130	0.062	0.75	✓
TU 250-100	** 100		3,500			250	150	0.077	0.85	
TU 250-125	** 125		3,500			300	175	0.096	0.97	

* = at full stroke

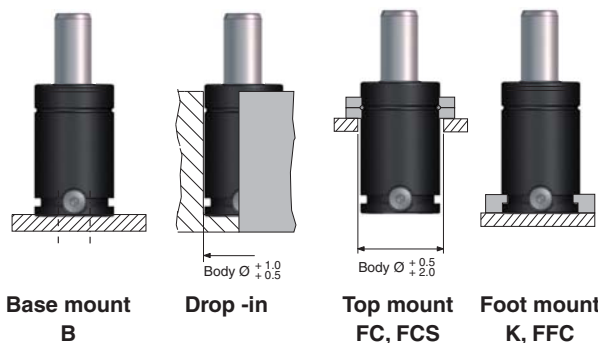
** Recommended stroke length for optimal delivery

Basic Information

For general information see "About gas springs", 2.1
 Pressure medium Nitrogen
 Max. charging pressure 150 bar
 Min. charging pressure 50 bar
 Operating temperature 0 to +80°C
 Force increase by temperature ±0.3%/°C
 Recommended max strokes/min ... ~ 80-100 (at 20°C)
 Max piston rod velocity 1.6 m/s

Rod surface..... Nitrided
 Tube surface Black oxide
 Repair kit 3016873

Mounting Possibilities



Note! For dimensions on mounting possibilities K-250 refer to Chapter 3.