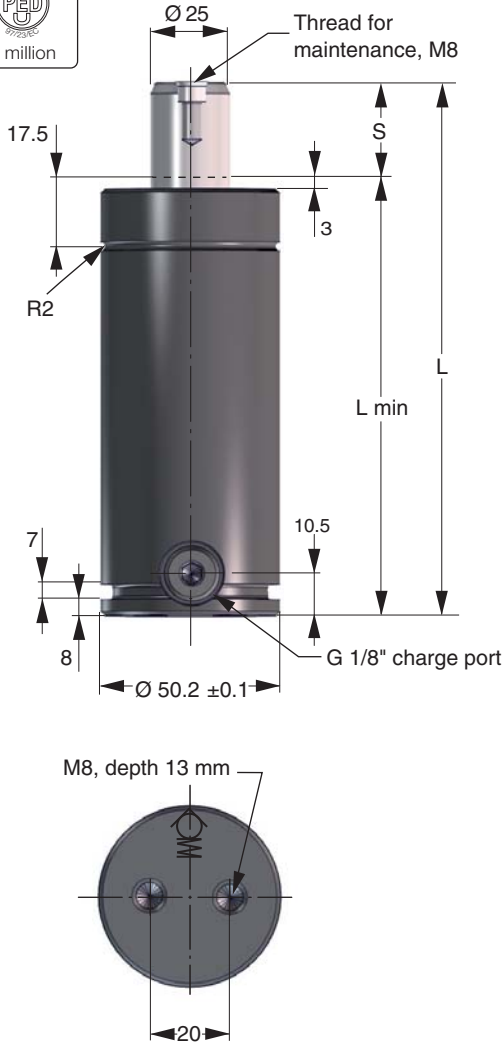


TU 750



The standard line of gas springs is the TU line. Sizes 250 to 10 000 correspond to the ISO 11901 standard for gas springs.

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 750-013	** 12.7		12,000		2,700	120.4	107.7	0.03	1.33	
TU 750-025	** 25		12,000		2,700	145	120	0.04	1.44	√
TU 750-038	** 38.1		12,000		2,700	171.2	133.1	0.06	1.57	
TU 750-050	** 50		12,000		2,700	195	145	0.07	1.68	√
TU 750-064	** 63.5		12,000		2,700	222	158.5	0.09	1.78	
TU 750-080	** 80		12,000		2,700	255	175	0.11	1.94	√
TU 750-100	** 100	7,400	12,000	1,665	2,700	295	195	0.14	2.13	√
TU 750-125	** 125		12,100		2,720	345	220	0.17	2.37	√
TU 750-160	** 160		12,100		2,720	415	255	0.21	2.70	√
TU 750-200	** 200		12,100		2,720	495	295	0.26	3.08	
TU 750-250	** 250		12,100		2,720	595	345	0.33	3.55	
TU 750-300	** 300		12,100		2,720	695	395	0.39	4.03	

* = at full stroke

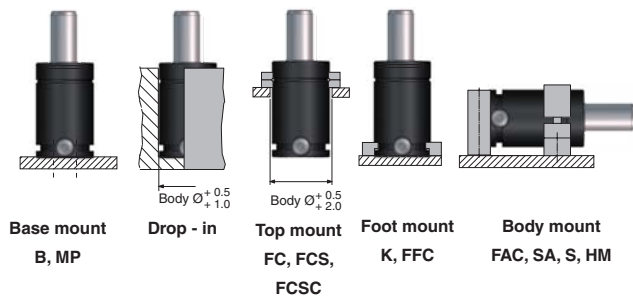
** Recommended stroke length for optimal delivery

Basic Information

For general information see "About gas springs", 2.1
 Pressure medium Nitrogen
 Max. charging pressure 150 bar
 Min. charging pressure 25 bar
 Operating temperature 0 to +80°C
 Force increase by temperature ±0.3%/°C
 Recommended max strokes/min ~ 15-40 (at 20°C)
 Max piston rod velocity 1.6 m/s
 Rod surface Nitrided
 Tube surface Black oxide
 *Repair kit 3019817

*Identified by circular rings on the top of tube, guide and rod.

Mounting Possibilities



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