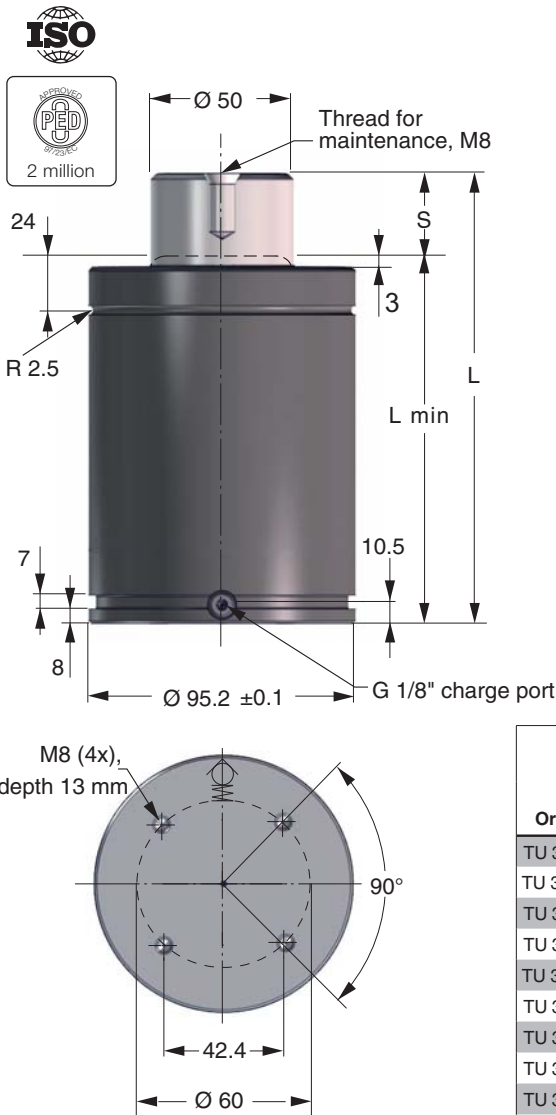


TU 3000



The TU line constitutes our standard line of gas springs. Sizes 250 to 10,000 conform to the ISO 11901 gas spring standard.

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 3000-025	** 25		42,000		9,440	170	145	0.20	6.45	✓
TU 3000-038	** 38.1		43,000		9,670	196.2	158.1	0.26	6.87	
TU 3000-050	** 50		44,000		9,890	220	170	0.32	7.25	✓
TU 3000-064	** 63.5		45,000		10,100	247	183.5	0.38	7.67	
TU 3000-080	** 80		46,000		10,340	280	200	0.46	8.20	✓
TU 3000-100	** 100	30,000	47,000	6,750	10,570	320	220	0.56	8.83	✓
TU 3000-125	** 125		47,000		10,570	370	245	0.69	9.63	✓
TU 3000-160	** 160		47,000		10,570	440	280	0.87	10.74	✓
TU 3000-200	** 200		48,000		10,790	520	320	1.07	12.00	
TU 3000-250	** 250		48,000		10,790	620	370	1.32	13.59	
TU 3000-300	** 300		48,000		10,790	720	420	1.57	15.18	

* = at full stroke

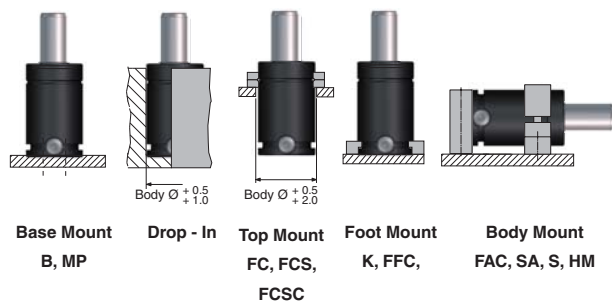
** Recommended stroke length for optimal delivery

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 3019025

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

Mounting Possibilities



Note! For dimensions on mounting possibilities K-3000, FAC-3000, SA-3000, HM-3000 and FCSC-3000 refer to Chapter 3.