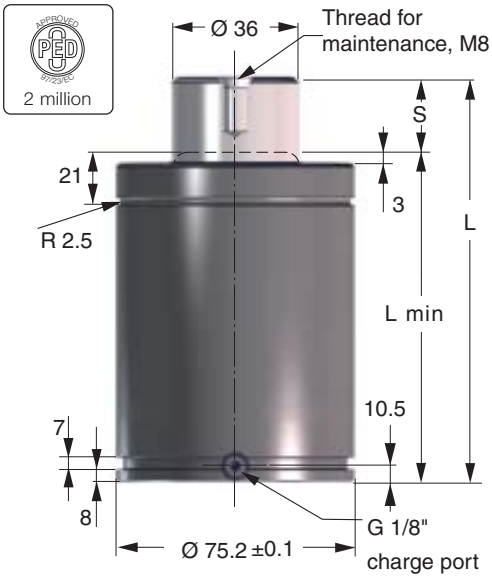
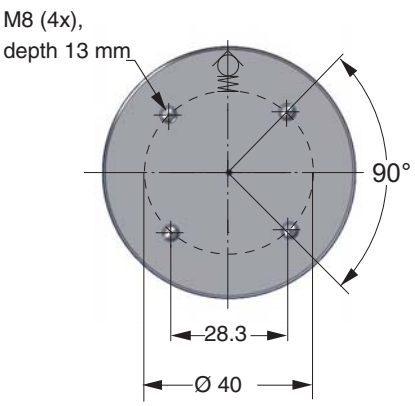
TU 1500

2 million



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 Initial	Force in N at 150 bar/+20°C End force*	Force in lbf at 150 bar/+20°C Initial	Force in lbf at 150 bar/+20°C End force*	L ±0.25	L min.	Gas vol. (l)	Weight (kg)	ISO
TU 1500-025	**	25					160	135	0.10	3.65	√
TU 1500-038	**	38.1					186.2	148.1	0.15	3.89	
TU 1500-050	**	50					210	160	0.18	4.11	√
TU 1500-064	**	63.5					237	173.5	0.22	4.35	
TU 1500-080	**	80					270	190	0.28	4.66	√
TU 1500-100	**	100	15,000	23,000	3,375	5,170	310	210	0.34	5.02	√
TU 1500-125	**	125					360	235	0.42	5.48	√
TU 1500-160	**	160					430	270	0.53	6.12	√
TU 1500-200	**	200					510	310	0.68	6.86	
TU 1500-250	**	250					610	360	0.81	7.77	
TU 1500-300	**	300					710	410	0.96	8.69	

* = at full stroke

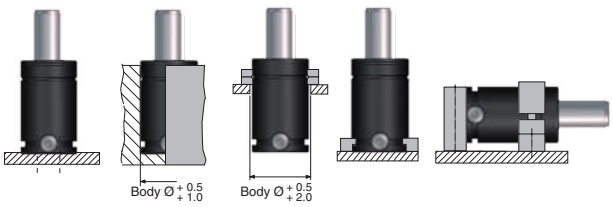
** Recommended stroke length for optimal delivery

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..... 2014068-02

Mounting Possibilities



Base mount B, MP | **Drop - in** | **Top mount FC, FCS, FCSC** | **Foot mount K, FFC,** | **Body mount FAC, SA, S, HM**

Note! For dimensions on mounting possibilities K-1500, FAC-1500, SA-1500, HM-1500 and FCSC-1500 refer to Chapter 3.