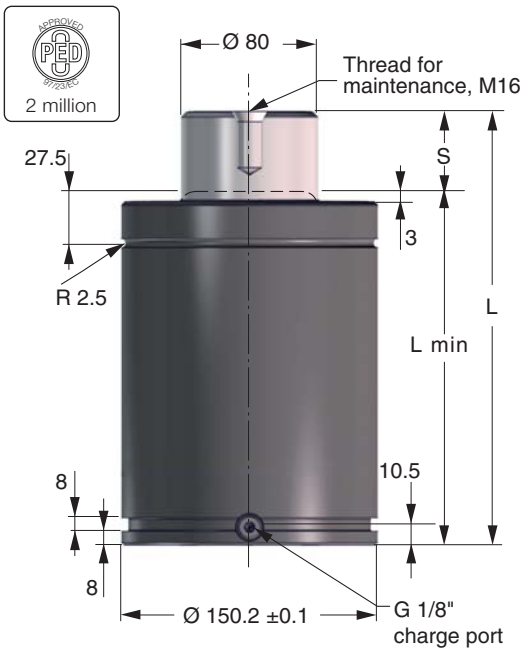
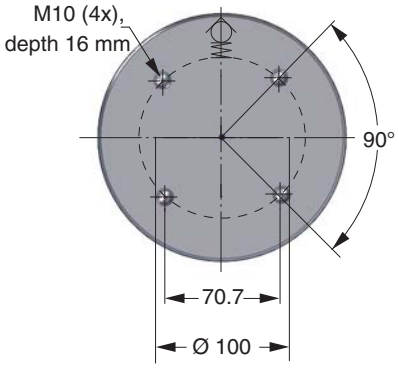
TU 7500





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 7500-025	**	25		105,000		23,600	205	180	0.51	20.30	√
TU 7500-038	**	38.1		110,000		24,730	231.2	193.1	0.67	21.40	
TU 7500-050	**	50		113,000		25,400	255	205	0.81	22.40	√
TU 7500-064	**	63.5		115,000		25,850	282	218.5	0.98	23.50	
TU 7500-080	**	80		117,000		26,300	315	235	1.18	24.80	√
TU 7500-100	**	100	75,000	119,000	16,860	26,750	355	255	1.43	26.50	√
TU 7500-125	**	125		121,000		27,200	405	280	1.74	28.50	√
TU 7500-160	**	160		122,000		27,430	475	315	2.17	31.40	√
TU 7500-200	**	200		123,000		27,650	555	355	2.66	34.70	
TU 7500-250	**	250		124,000		27,880	655	405	3.27	38.80	
TU 7500-300	**	300		124,000		27,880	755	455	3.88	42.90	

* = at full stroke

** Recommended stroke length for optimal delivery

Basic Information

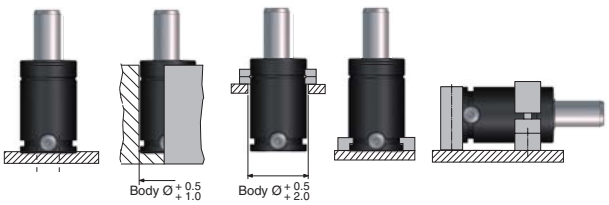
For general information see “About gas springs”, 2.1
Pressure medium ..... Nitrogen
Max. charging pressure ..... 150 bar
Min. charging pressure..... 25 bar
Operating temperature ..... 0 to +80°C
Force increase by temperature ..... ±0.3%/°C
Recommended max strokes/min ..... ~ 15-40 (at 20°C)
Max piston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

Rod surface..... Nitrided
Tube surface ..... Black oxide

* Repair kit 3018877

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

Mounting Possibilities



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

Note! For dimensions on mounting possibilities K-7500 and FCSC-7500 refer to Chapter 3.