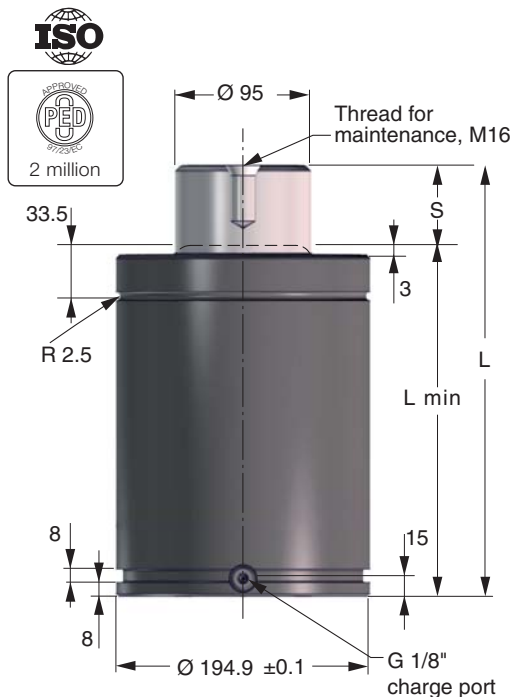
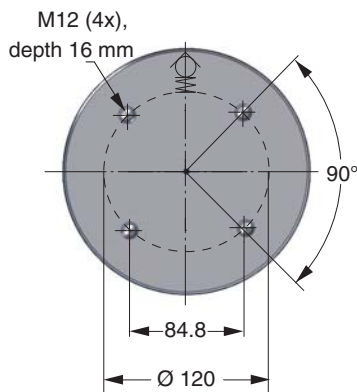


# TU 10000



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 10000-025	** 25		138,000		31,020	210	185	0.87	35.90	
TU 10000-038	** 38.1		143,000		32,150	236.2	198.1	1.13	37.60	
TU 10000-050	* 50		147,000		33,050	260	210	1.37	39.20	✓
TU 10000-064	** 63.5		150,000		33,720	287	223.5	1.64	41.00	
TU 10000-080	** 80		152,000		34,170	320	240	1.98	43.20	✓
TU 10000-100	** 100	106,000	156,000	23,830	35,070	360	260	2.38	45.80	✓
TU 10000-125	** 125		157,000		35,300	410	285	2.88	49.10	✓
TU 10000-160	** 160		158,000		35,520	480	320	3.59	53.70	✓
TU 10000-200	** 200		160,000		35,970	560	360	4.39	59.00	✓
TU 10000-250	** 250		160,000		35,970	660	410	5.40	65.60	✓
TU 10000-300	** 300		160,000		35,970	760	460	6.40	72.20	✓

\*\* = at full stroke

\*\* Recommended stroke length for optimal delivery

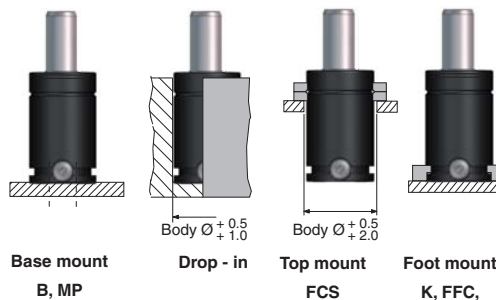
## Basic Information

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 ..... 3019037

## Mounting Possibilities



**Note!** For dimensions on mounting possibility K-10000 refer to Chapter 3.