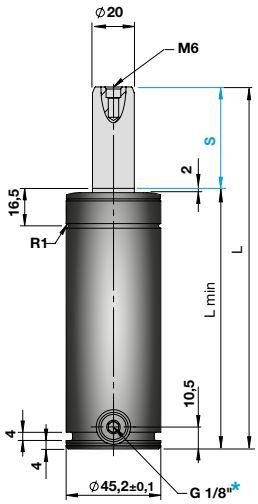
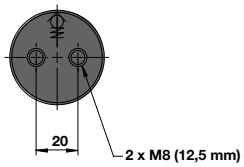


TU-500

Gas spring Standard Line





Norm: ISO 11901-1
VDI 3003
39D878
B2 4005
B2 4006

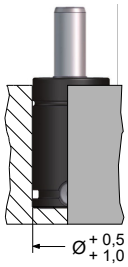
T: < 80 °C

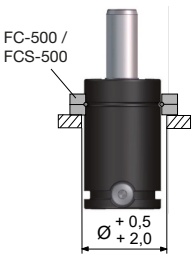
S = stroke
** Charge port*

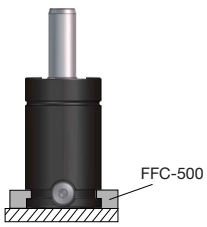
S1	S	L ± 0.25	L min	bar	F1 [daN]	F2 [daN]	m [kg]	V [L]	Order No.
10	10	105	95	150	470	600	0.93	0.023	TU-500-10
13	12.7	110.4	97.7	150	470	610	0.95	0.025	TU-500-13
25	25	135	110	150	470	640	1.04	0.038	TU-500-25
38	38.1	161.2	123.1	150	470	650	1.13	0.051	TU-500-38
50	50	185	135	150	470	660	1.21	0.063	TU-500-50
64	63.5	212	148.5	150	470	660	1.31	0.077	TU-500-64
80	80	245	165	150	470	670	1.43	0.093	TU-500-80
100	100	285	185	150	470	670	1.57	0.114	TU-500-100
125	125	335	210	150	470	670	1.74	0.139	TU-500-125
160	160	405	245	150	470	670	1.99	0.175	TU-500-160

INSTALLATION VARIANTS









Technical information	
Pressure medium	N_2
Max. filling pressure (at 20 °C)	150 bar
Min. filling pressure (at 20 °C)	25 bar
Operating temperature	0 °C - 80 °C
Force increase by temperature	0,3 % / 1 °C
Max. piston rod velocity	1,6 m/s
Recommended max strokes / min (at 20° C)	~ 40 - 80
Repair kit	2026637-0500

D 3002B 03.2025