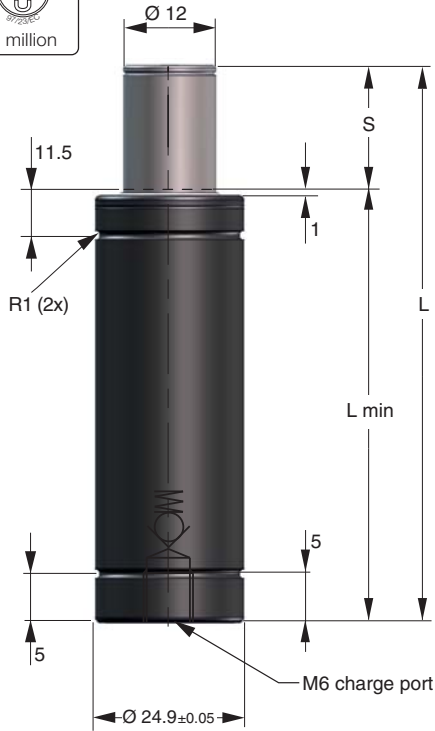
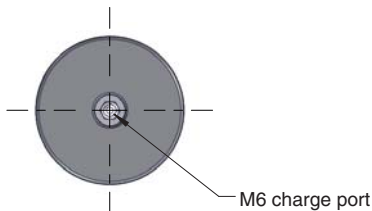


CU4 420



This is the smallest member of the CU4 family. As with the rest of the CU4 springs it has a very high force compared to its outer diameter.



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)
		Initial	End force*	Initial	End force*				
CU4 420-006	6		7,300		1,641	56	50	0.003	0.13
CU4 420-010	10		7,300		1,416	70	60	0.005	0.15
CU4 420-016	16		7,300		1,416	91	75	0.008	0.18
CU4 420-025	25	4,250	7,400	955	1,439	120	95	0.011	0.22
CU4 420-032	32		7,900		1,776	140	108	0.021	0.24
CU4 420-040	40		8,000		1,800	165	125	0.026	0.27
CU4 420-050	50		8,000		1,800	195	145	0.032	0.31

* = at full stroke

Basic Information

For general information, see "About gas springs", 2.1
 Pressure medium..... Nitrogen
 Max. charging pressure..... 150 bar (at 20°C)
 Min. charging pressure..... 25 bar (at 20°C)
 Operating temperature..... 0 to +80°C
 Force increase by temperature ±0.3 %/°C
 Recommended max. strokes/min.... 50 ~ 100 (at 20°C)
 Max. piston rod velocity..... 0.8 m/s

Rod surface..... Nitrided
 Tube surface Nitrided
 Repair kit..... Non-repairable

Mounting Possibilities

