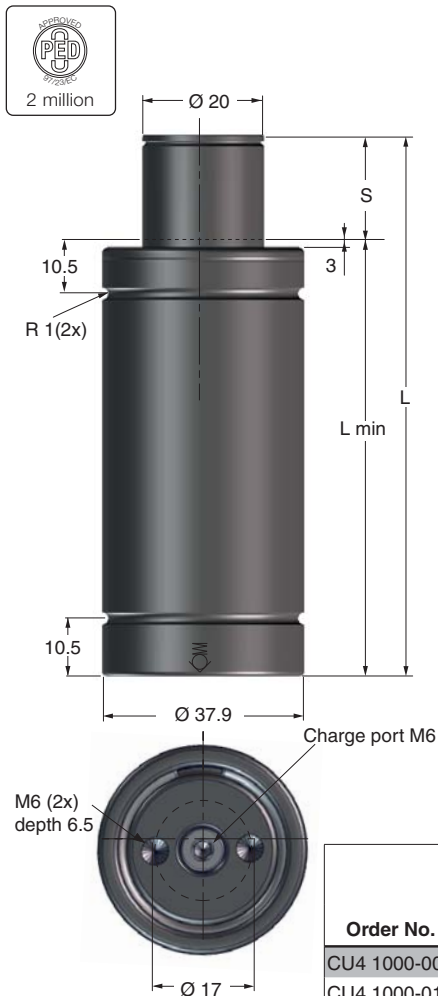


CU4 1000



The CU4 gas spring is a very compact Bore Sealed gas spring with impressive force in a compact body. The maximum frequency for the spring is 100 strokes/minute.

Springs with stroke lengths over 25 mm should always be attached to the tool, using a flange or the tapped holes in the bottom of the spring. We also recommend fixing of shorter stroke springs for optimal service life.

As an option, the CU4 springs can be delivered with a Side Port plate (SP) for applications where a sideport is needed (e.g., for use in hose systems).

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 1000-006	6		16,000			61	55	0.014	0.33
CU4 1000-010	10		16,000			78	68	0.024	0.38
CU4 1000-016	16		16,000			100	84	0.036	0.44
CU4 1000-025	25	10,600	16,000	2,400	3,595	135	110	0.056	0.54
CU4 1000-032*	32*		16,000			167	135	0.074	0.65
CU4 1000-040*	40*		16,000			195	155	0.092	0.73
CU4 1000-050*	50*		16,000			230	180	0.110	0.83

* = Should always be attached to the tool using the tapped holes in the bottom or a flange
 ** = 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.... ~100 (at 20°C)
 Max. piston rod velocity..... 0.8 m/s

Rod surface..... Nitrided
 Tube surface Nitrided
 Repair Kit CU4 1000..... 3024835
 Repair Kit CU 1000..... 2014493-0100
 Available until 12.31.2015

Mounting Possibilities

