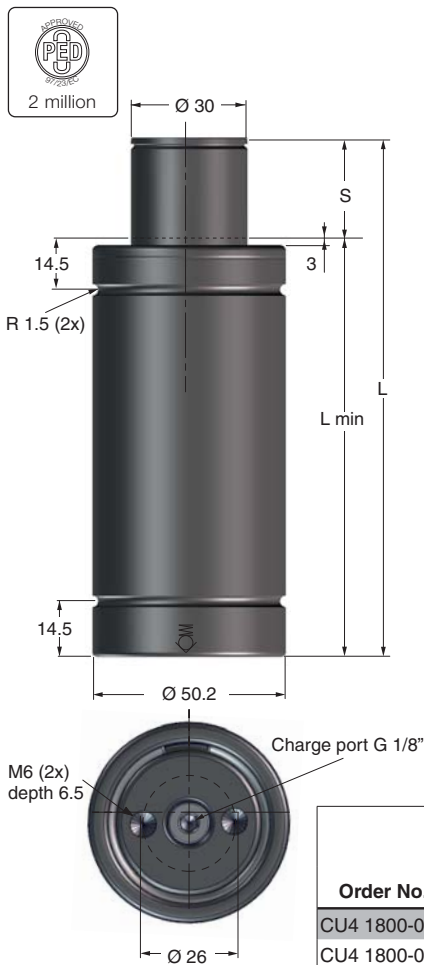


# CU4 1800



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 1800-006	6		24,000		5,395	66	60	0.030	0.60
CU4 1800-010	10		25,000		5,620	80	70	0.044	0.66
CU4 1800-016	16		25,000		5,620	106	90	0.072	0.79
CU4 1800-025	25	18,000	26,000	4,050	5,845	135	110	0.100	1.93
CU4 1800-032	32*		26,000		5,845	162	130	0.126	1.06
CU4 1800-040	40*		26,000		5,845	190	150	0.150	1.19
CU4 1800-050	50*		27,000		6,070	220	170	0.179	1.32
CU4 1800-065	65*		28,000		6,294	271	206	0.240	1.52

\* = 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 1800..... 3024836  
 Repair Kit CU 1800..... 2014493-0180  
 Available until 12.31.2015

## Mounting Possibilities

