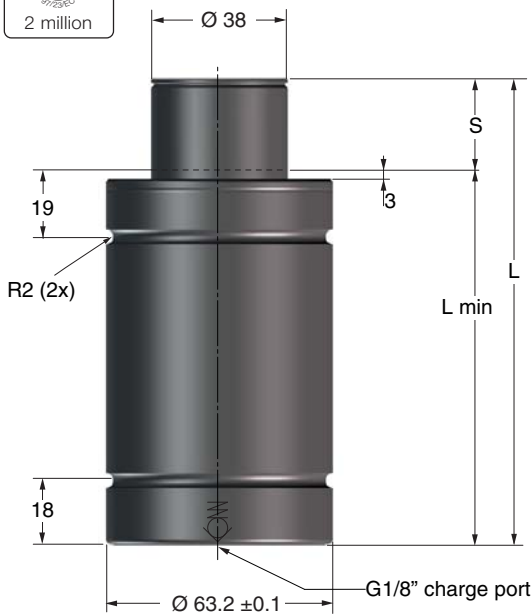


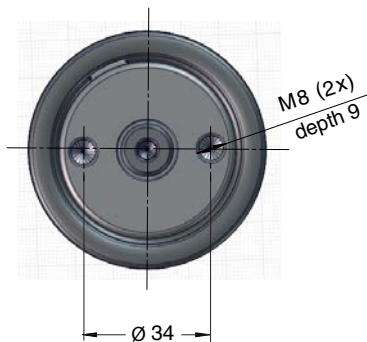
CU4 2900



The CU4 gas spring is a very compact Bore Sealed gas spring with impressive force in a compact body.

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, this CU4 spring 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 2900-010	10		40,000		8,990	85	75	0.08	1.14
CU4 2900-016	16		42,000		8,440	103	87	0.12	1.28
CU4 2900-025	25		45,000		10,120	130	105	0.16	1.49
CU4 2900-032*	32*	29,500	46,200	6,630	10,340	150	118	0.20	1.64
CU4 2900-040*	40*		47,200		10,570	175	135	0.24	1.83
CU4 2900-050*	50*		45,000		10,120	205	155	0.29	2.06
CU4 2900-065*	65*		47,000		10,570	256	191	0.35	2.39

* = 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 ... ~ 80-100 (at 20°C)
 Max piston rod velocity 0.8 m/s

Rod surface..... Nitrided
 Tube surface Nitrided
 Repair kit CU4 2900 3024837
 Repair kit CU 2900 2014493-0290
 Available until 12.31.2015

Mounting Possibilities

Base mount
B

