

R15

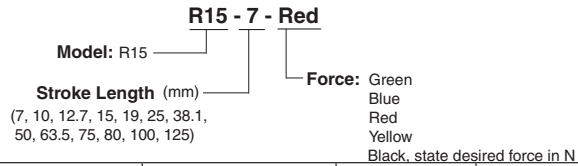


The R series was named because the tube is Roll-formed and therefore permanently closed, making these springs non-repairable.

R series springs are available with Ø12, Ø15, and Ø19 mm tube diameters and with stroke lengths up to 125 mm.

There are 4 color-coded models, all with preset forces. An adjustable model (black) is also available. It can be ordered either set to a specific charge pressure or it can be adjusted by customers with the appropriate charging equipment and training.

How to order



Model	Force in N at +20°C		Color	Charging pressure (bar)
	Initial	Initial		
R15	180	40	Green	45
R15	350	80	Blue	90
R15	500	115	Red	135
R15	700	160	Yellow	180
R15 XX*	80-700	18-160	Black	20-180

*Force to be set by the end user. Delivered with a pre-charge of 5-10 bar.

S stroke	End force in N at +20°C*				End force in lbf at +20°C*				L ±0.25	L min.	Gas vol. (l)	Weight (kg)
	R15	R15	R15	R15	R15	R15	R15	R15				
7	216	432	648	865	49	97	146	195	56	49	0.001	0.05
10	224	447	671	895	50	101	151	201	62	52	0.001	0.05
12.7	228	457	685	914	51	103	154	206	68	55	0.001	0.05
15	232	463	695	927	52	104	156	209	72	57	0.002	0.05
19	236	471	707	943	53	106	159	212	80	61	0.002	0.05
25	240	480	720	961	54	108	162	216	92	67	0.002	0.06
38.1	258	516	774	1,032	58	116	174	232	118.2	80.1	0.003	0.07
50	258	516	774	1,033	58	116	174	232	142	92	0.004	0.08
63.5	273	546	819	1,092	61	123	184	246	172	108.5	0.005	0.09
75	270	541	811	1,082	61	122	182	243	195	120	0.006	0.10
80	270	539	809	1,079	61	121	182	243	205	125	0.006	0.11
100	267	534	802	1,069	60	120	180	240	245	145	0.008	0.12
125	265	531	796	1,062	60	119	179	239	295	170	0.010	0.14

*= at full stroke.

Basic Information

- For more information, see "About gas springs", 2.1
- Pressure medium Nitrogen
 - Max. charging pressure 180 bar
 - Min. charging pressure 20 bar
 - Operating temperature 0 to +80°C
 - Force increase by temperature ±0.3 %/°C
 - Recommended max. strokes/min. ~100 – 150 (at 20°C)
 - Max. piston rod velocity 1.6 m/s
- Rod surface Nitrided
 - Tube surface Black oxide
 - Repair Kit Non-repairable

Mounting Possibilities

