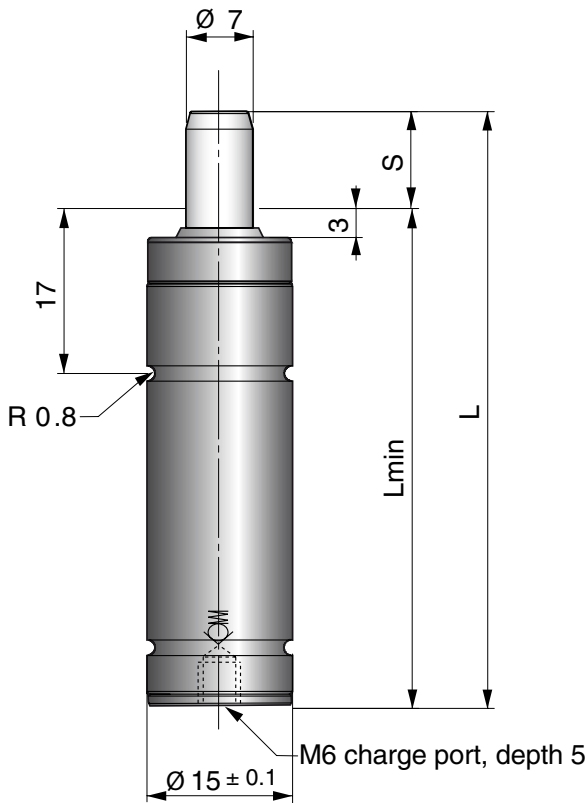


KALLER®



Gas Spring R15

Gas Spring R15



The R15 has all the benefits that are known of a Kaller gas spring:

- Over-Pressure protection and a Safety Rod
- Low force increase
- Adjustable force, four preset models and one customer specified model (black)
- Powerful initial force
- Long service life, 50,000 stroke meters or 500,000 strokes
- The Kaller R15 can replace a 5/8" coil spring
- R15 can be hoses or piped together using the M6 charge port

An upper C-groove together with the threaded bottom hole, allows various mounting possibilities for the R15.

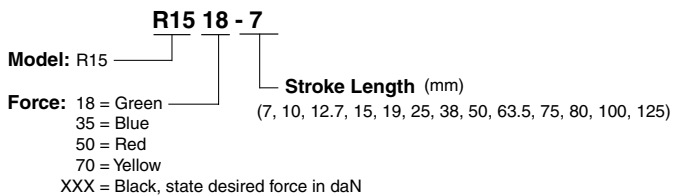
| Model | Initial Force in N at + 20°C | Colour | Charging pressure (bar) |
|----------|------------------------------|--------|-------------------------|
| R15 18 | 180 | Green | 45 |
| R15 35 | 350 | Blue | 90 |
| R15 50 | 500 | Red | 135 |
| R15 70 | 700 | Yellow | 180 |
| R15 XXX* | 80-700 | Black | 20-180 |

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

| S Stroke | End force in N at + 20°C at full stroke | | | | L ±0.25 | L min | Gas vol. (l) | Weight (kg) |
|----------|-----------------------------------------|--------|--------|--------|---------|-------|--------------|-------------|
| | R15 18 | R15 35 | R15 50 | R15 70 | | | | |
| 7 | 216 | 432 | 648 | 865 | 56 | 49 | 0.001 | 0.05 |
| 10 | 224 | 447 | 671 | 895 | 62 | 52 | 0.001 | 0.05 |
| 12.7 | 228 | 457 | 685 | 914 | 68 | 55 | 0.001 | 0.05 |
| 15 | 232 | 463 | 695 | 927 | 72 | 57 | 0.002 | 0.05 |
| 19 | 236 | 471 | 707 | 943 | 80 | 61 | 0.002 | 0.06 |
| 25 | 240 | 480 | 720 | 961 | 92 | 67 | 0.002 | 0.06 |
| 38.1 | 258 | 516 | 774 | 1032 | 118 | 80.1 | 0.003 | 0.07 |
| 50 | 258 | 516 | 774 | 1033 | 142 | 92 | 0.004 | 0.08 |
| 63.5 | 273 | 546 | 819 | 1092 | 172 | 108.5 | 0.005 | 0.09 |
| 75 | 270 | 541 | 811 | 1082 | 195 | 120 | 0.006 | 0.10 |
| 80 | 270 | 539 | 809 | 1079 | 205 | 125 | 0.006 | 0.11 |
| 100 | 267 | 534 | 802 | 1069 | 245 | 145 | 0.008 | 0.12 |
| 125 | 265 | 531 | 796 | 1062 | 295 | 170 | 0.010 | 0.14 |

| Safety Features |
|--------------------------|
| Safety Rod |
| Over-Pressure Protection |

How to order



Basic Information

- For more information, see "About gas springs" Ch. 2.1 in the main catalogue.
- Pressure medium Nitrogen
- Max. charging pressure 180 bar (at 20°)
- Min. charging pressure 20 bar (at 20°)
- 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

