

# Gas spring POWERLINE with reinforced spring base

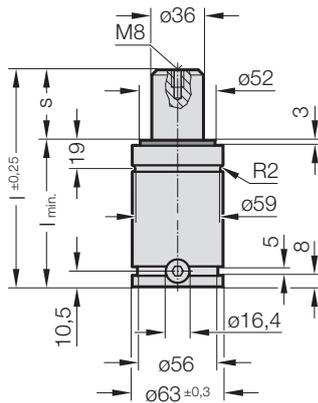
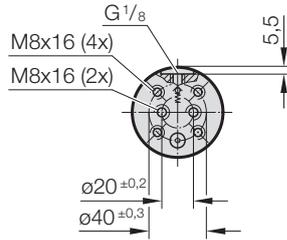
**Note:**

Initial spring force at 150 bar = 1530 daN

Order No for spare parts kit: 2487.15.01500  
(Stroke length 16 not repairable)

Pressure medium: Nitrogen N<sub>2</sub>  
 Max. filling pressure: 150 bar  
 Min. filling pressure: 20 bar  
 Working temperature: 0°C to +80°C  
 Temperature related force increase: ± 0.3%/°C  
 Max. recommended extensions per minute:  
 approx. 20 to 100 (at 20°C)  
 Max. piston rod speed: 1.8 m/s

**2487.15.33.01500.**



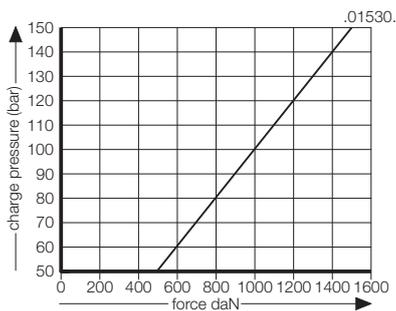
**PED**  
2014/68/EU



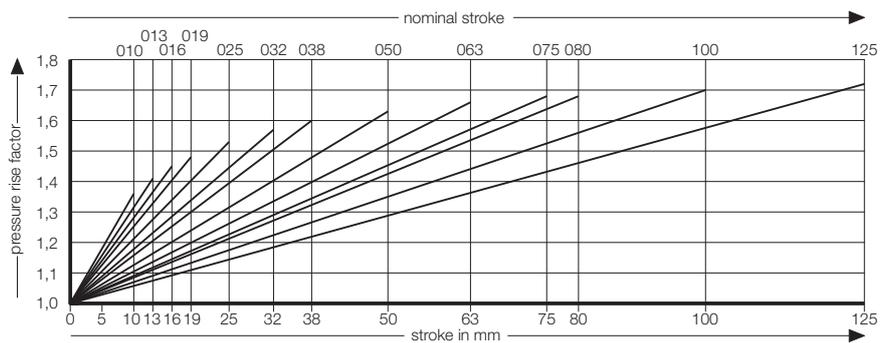
**2487.15.33.01500. Gas spring POWERLINE with reinforced spring base**

| Order No             | s<br>(Stroke <sub>max</sub> ) | l <sub>min.</sub> | l   | Gas volume [l] | Weight [kg] |
|----------------------|-------------------------------|-------------------|-----|----------------|-------------|
| 2487.15.33.01500.010 | 10                            | 62                | 72  | 0.045          | 1.04        |
| 2487.15.33.01500.013 | 13                            | 65                | 78  | 0.053          | 1.08        |
| 2487.15.33.01500.016 | 16                            | 68                | 84  | 0.061          | 1.11        |
| 2487.15.33.01500.019 | 19                            | 71                | 90  | 0.068          | 1.15        |
| 2487.15.33.01500.025 | 25                            | 77                | 102 | 0.084          | 1.22        |
| 2487.15.33.01500.032 | 32                            | 84                | 116 | 0.103          | 1.3         |
| 2487.15.33.01500.038 | 38                            | 90                | 128 | 0.119          | 1.37        |
| 2487.15.33.01500.050 | 50                            | 102               | 152 | 0.15           | 1.51        |
| 2487.15.33.01500.063 | 63                            | 115               | 178 | 0.185          | 1.67        |
| 2487.15.33.01500.075 | 75                            | 127               | 202 | 0.216          | 1.81        |
| 2487.15.33.01500.080 | 80                            | 132               | 212 | 0.229          | 1.87        |
| 2487.15.33.01500.100 | 100                           | 152               | 252 | 0.282          | 2.11        |
| 2487.15.33.01500.125 | 125                           | 177               | 302 | 0.348          | 2.4         |

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!