

# Gas spring POWERLINE with reinforced spring base

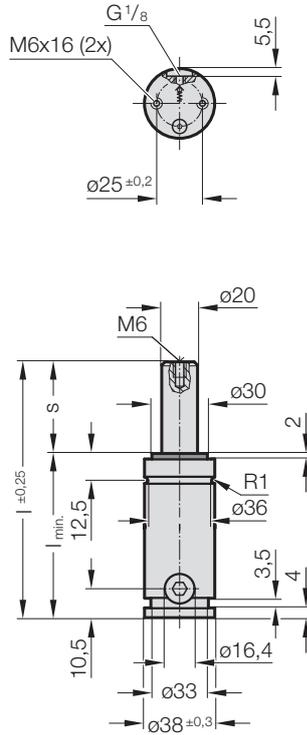
**Note:**

Initial spring force at 150 bar = 470 daN

Order No for spare parts kit: 2487.15.00500  
(Stroke length 10 and 13 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

**2487.15.33.00500.**



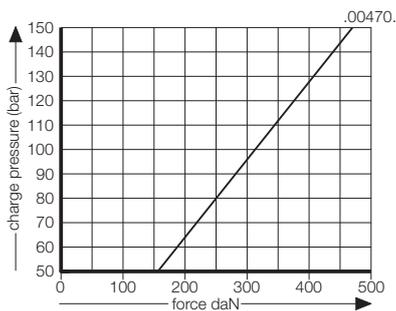
**PED**  
2014/68/EU



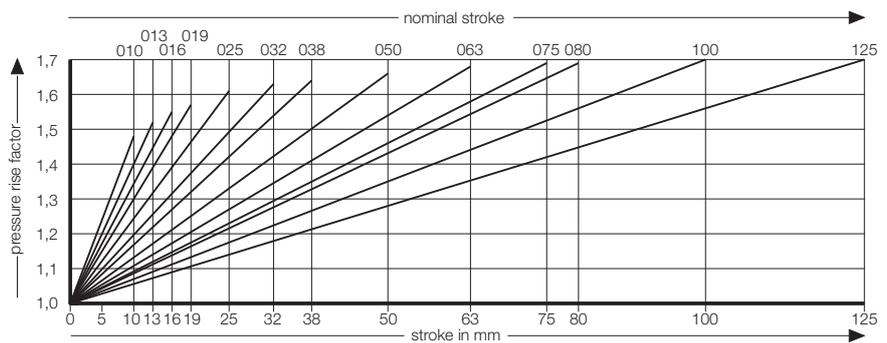
**2487.15.33.00500. Gas spring POWERLINE with reinforced spring base**

| Order No             | s<br>(Stroke max.) | l <sub>min.</sub> | l   | Gas volume [l] | Weight [kg] |
|----------------------|--------------------|-------------------|-----|----------------|-------------|
| 2487.15.33.00500.010 | 10                 | 50                | 60  | 0.011          | 0.32        |
| 2487.15.33.00500.013 | 13                 | 53                | 66  | 0.014          | 0.34        |
| 2487.15.33.00500.016 | 16                 | 56                | 72  | 0.016          | 0.36        |
| 2487.15.33.00500.019 | 19                 | 59                | 78  | 0.019          | 0.37        |
| 2487.15.33.00500.025 | 25                 | 65                | 90  | 0.024          | 0.4         |
| 2487.15.33.00500.032 | 32                 | 72                | 104 | 0.03           | 0.43        |
| 2487.15.33.00500.038 | 38                 | 78                | 116 | 0.035          | 0.46        |
| 2487.15.33.00500.050 | 50                 | 90                | 140 | 0.045          | 0.52        |
| 2487.15.33.00500.063 | 63                 | 103               | 166 | 0.056          | 0.58        |
| 2487.15.33.00500.075 | 75                 | 115               | 190 | 0.067          | 0.63        |
| 2487.15.33.00500.080 | 80                 | 120               | 200 | 0.071          | 0.66        |
| 2487.15.33.00500.100 | 100                | 140               | 240 | 0.088          | 0.75        |
| 2487.15.33.00500.125 | 125                | 165               | 290 | 0.109          | 0.87        |

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!