

## GAS SPRING POWERLINE

**Note:**

Initial spring force at 150 bar = 6630 daN

Order No for spare parts kit: 2487.12.06600

Gas spring without valve

Order No (example): 2487.12.06600. .P

Pressure medium: Nitrogen N<sub>2</sub>

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

Working temperature: 0°C to +80°C

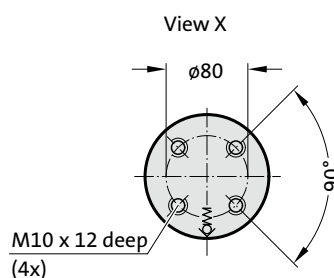
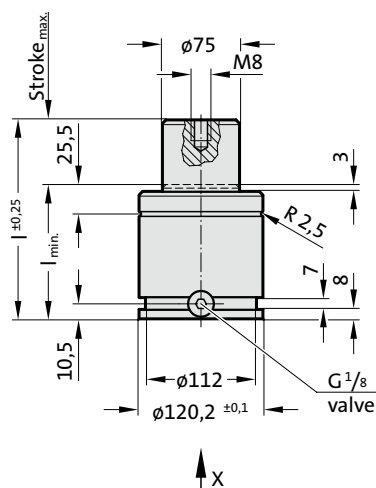
Temperature related force increase:  $\pm 0.3\%/^{\circ}\text{C}$

Max. recommended extensions per minute:

approx. 20 to 100 (at 20°C)

Max. piston speed: 1.6 m/s

2487.12.06600.

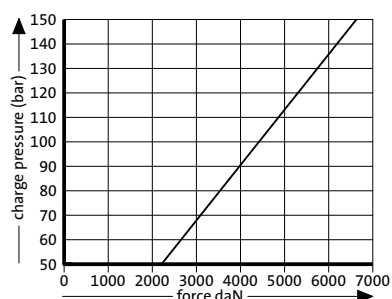


**2487.12.06600.**

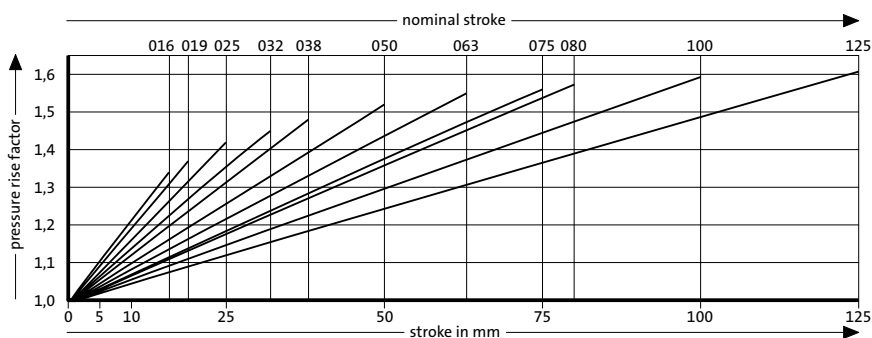
## Gas spring POWERLINE

| Order No          | Stroke <sub>max</sub> (s) | $I_{min}$ | $I$ |
|-------------------|---------------------------|-----------|-----|
| 2487.12.06600.016 | 16                        | 84        | 100 |
| 2487.12.06600.019 | 19                        | 87        | 106 |
| 2487.12.06600.025 | 25                        | 93        | 118 |
| 2487.12.06600.032 | 32                        | 100       | 132 |
| 2487.12.06600.038 | 38                        | 106       | 144 |
| 2487.12.06600.050 | 50                        | 118       | 168 |
| 2487.12.06600.063 | 63                        | 131       | 194 |
| 2487.12.06600.075 | 75                        | 143       | 218 |
| 2487.12.06600.080 | 80                        | 148       | 228 |
| 2487.12.06600.100 | 100                       | 168       | 268 |
| 2487.12.06600.125 | 125                       | 193       | 318 |

### Initial spring force versus charge pressure



### Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!