

# GAS SPRING POWERLINE

**Note:**

Initial spring force at 150 bar = 9500 daN

Order No for spare parts kit: 2487.12.09500

Gas spring without valve

Order No (example): 2487.12.09500. .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

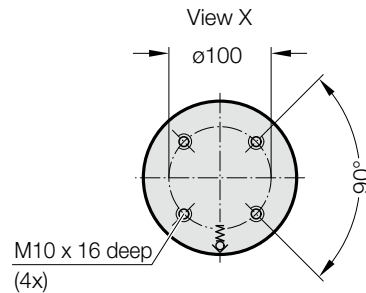
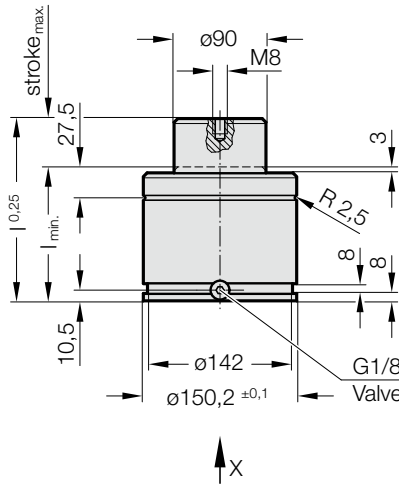
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 20 to 100 (at 20°C)

Max. piston speed: 1.6 m/s

**2487.12.09500.**

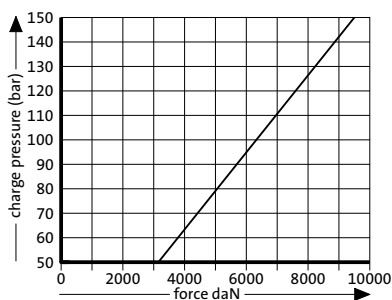


**2487.12.09500.**

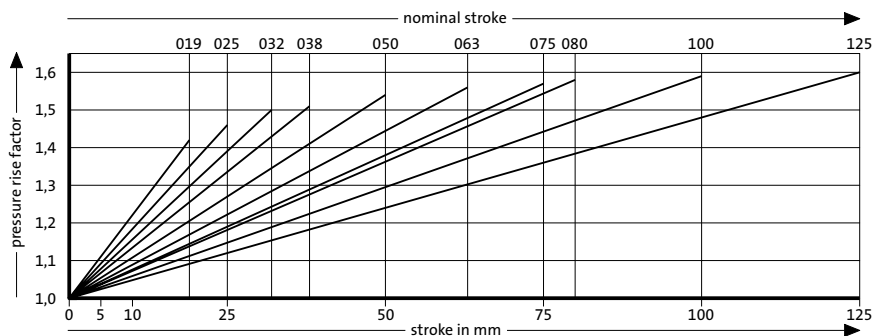
**Gas spring POWERLINE**

Order No	Stroke <sub>max.</sub> (s)	l <sub>min.</sub>	l
2487.12.09500.019	19	97	116
2487.12.09500.025	25	103	128
2487.12.09500.032	32	110	142
2487.12.09500.038	38	116	154
2487.12.09500.050	50	128	178
2487.12.09500.063	63	141	204
2487.12.09500.075	75	153	228
2487.12.09500.080	80	158	238
2487.12.09500.100.	100	178	278
2487.12.09500.125.	125	203	328

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!