

Gas spring POWERLINE

Note:

Initial spring force at 150 bar = 6630 daN

Order No for spare parts kit: 2487.15.06600
(Stroke length 16 and 19 not repairable)

Gas spring without valve

Order No (example): 2487.15.06600. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

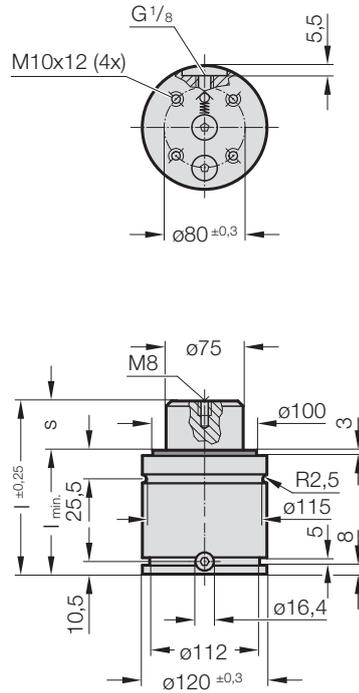
Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

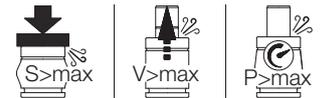
Max. recommended extensions per minute:
approx. 20 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

2487.15.06600.



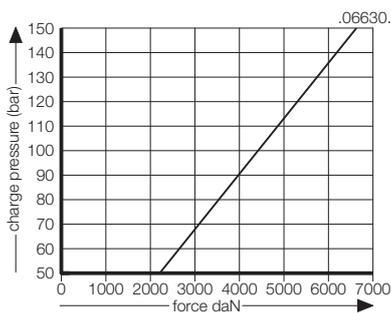
PED 2014/68/EU | **VDI** | **ISO**



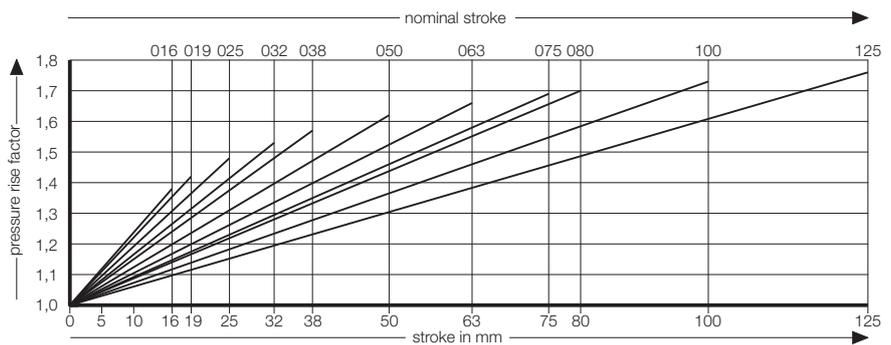
2487.15.06600. Gas spring POWERLINE

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.06600.016	16	84	100	0.298	5.12
2487.15.06600.019	19	87	106	0.33	5.23
2487.15.06600.025	25	93	118	0.394	5.47
2487.15.06600.032	32	100	132	0.469	5.75
2487.15.06600.038	38	106	144	0.533	5.99
2487.15.06600.050	50	118	168	0.661	6.47
2487.15.06600.063	63	131	194	0.799	6.99
2487.15.06600.075	75	143	218	0.927	7.47
2487.15.06600.080	80	148	228	0.98	7.67
2487.15.06600.100	100	168	268	1.193	8.46
2487.15.06600.125	125	193	318	1.459	9.46

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!