

Gas spring POWERLINE with reinforced spring base

Note:

Initial spring force at 150 bar = 740 daN

Order No for spare parts kit: 2487.15.00750
(Stroke length 10 and 13 not repairable)

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

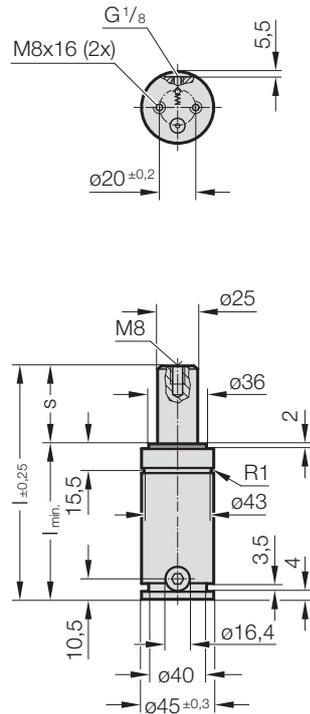
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 20 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

2487.15.33.00750.



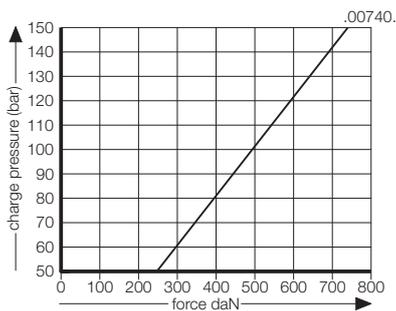
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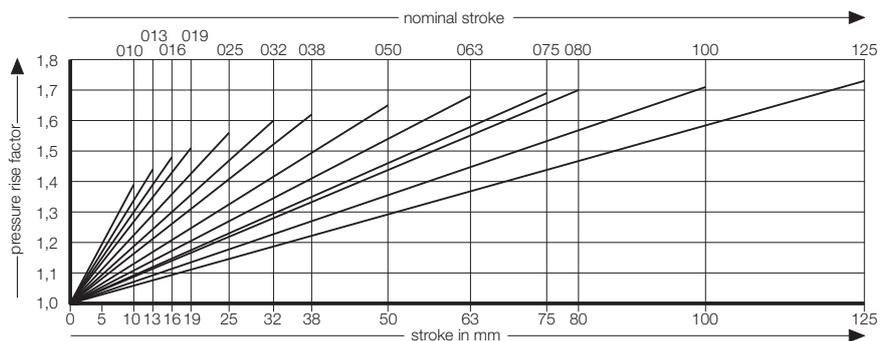
2487.15.33.00750. Gas spring POWERLINE with reinforced spring base

Order No	s (Stroke _{max})	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.33.00750.010	10	57	67	0.02	0.5
2487.15.33.00750.013	13	60	73	0.024	0.52
2487.15.33.00750.016	16	63	79	0.028	0.54
2487.15.33.00750.019	19	66	85	0.032	0.56
2487.15.33.00750.025	25	72	97	0.039	0.6
2487.15.33.00750.032	32	79	111	0.048	0.64
2487.15.33.00750.038	38	85	123	0.056	0.68
2487.15.33.00750.050	50	97	147	0.071	0.76
2487.15.33.00750.063	63	110	173	0.087	0.84
2487.15.33.00750.075	75	122	197	0.102	0.92
2487.15.33.00750.080	80	127	207	0.108	0.95
2487.15.33.00750.100	100	147	247	0.134	1.08
2487.15.33.00750.125	125	172	297	0.165	1.24

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!