

Compact gas spring

Note:

Initial spring force at 150 bar = 740 daN

Order No for spare parts kit: 2490.15.00750

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

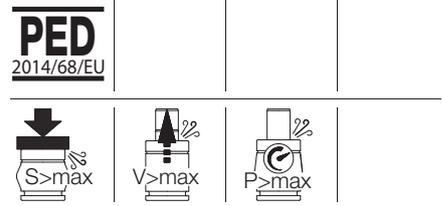
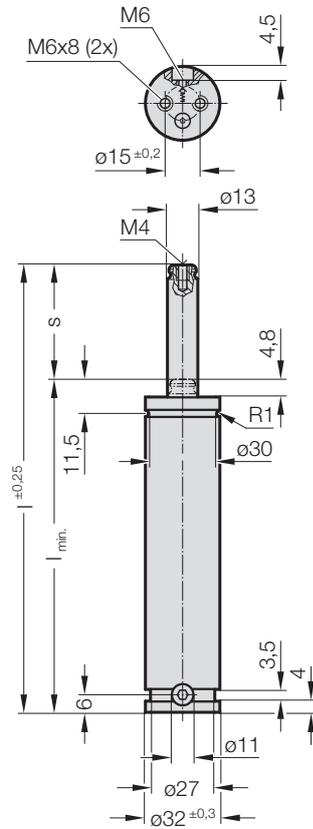
Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute: approx. 50 to 100 (at 20°C)

Max. piston rod speed: 0.8 m/s

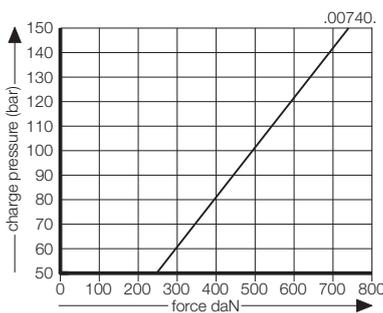
2490.15.00750.



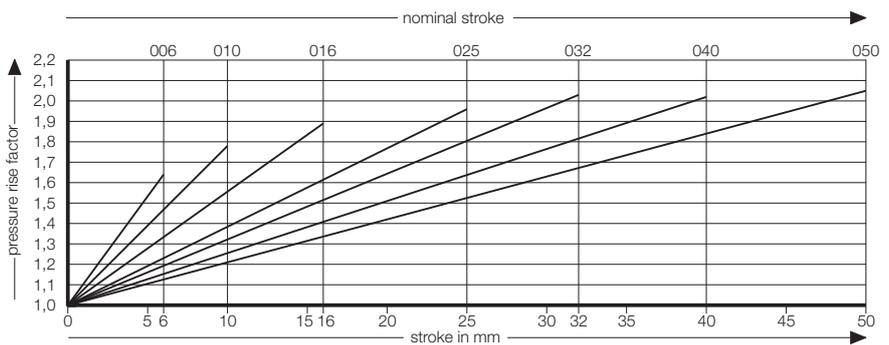
2490.15.00750. Compact gas spring

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2490.15.00750.006	6	57	63	0.009	0.23
2490.15.00750.010	10	65	75	0.013	0.25
2490.15.00750.016	16	77	93	0.019	0.29
2490.15.00750.025	25	95	120	0.028	0.33
2490.15.00750.032	32	108	140	0.035	0.37
2490.15.00750.040	40	125	165	0.044	0.42
2490.15.00750.050	50	145	195	0.054	0.47

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!