

Compact gas spring

Note:

Initial spring force at 150 bar = 2945 daN

Order No for spare parts kit: 2490.15.03000

Gas spring without valve

Order No (example): 2490.15.03000..P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

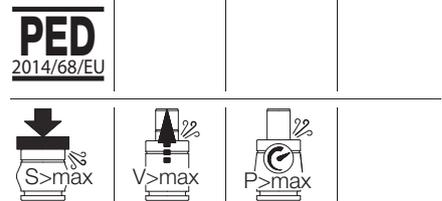
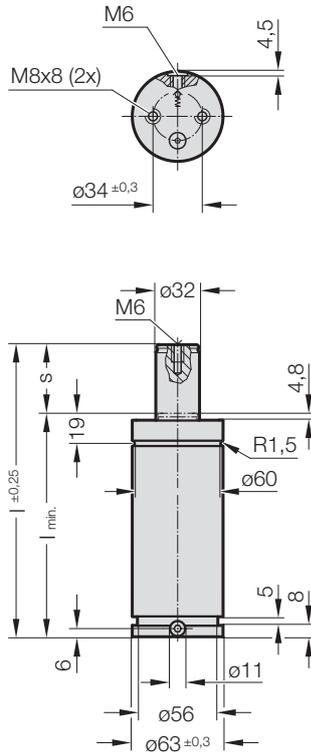
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 80 to 100 (at 20°C)

Max. piston rod speed: 0.8 m/s

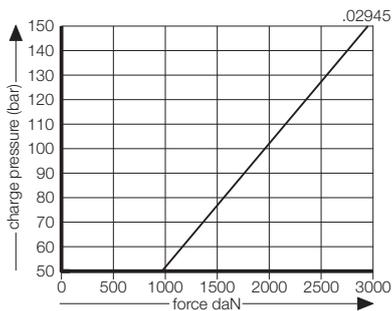
2490.15.03000.



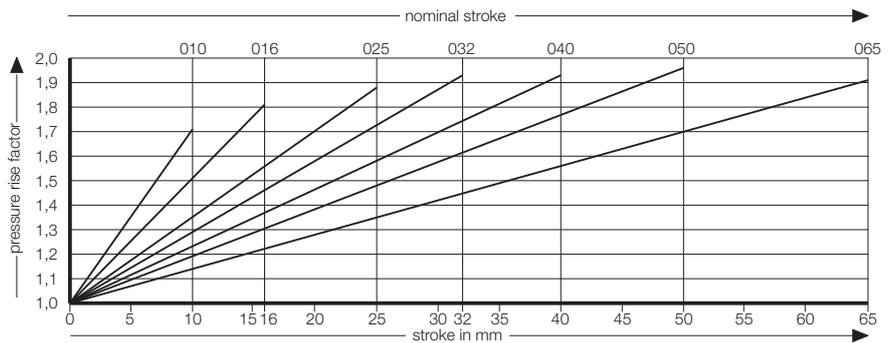
2490.15.03000. Compact gas spring

Order No	s (Stroke max.)	l _{min.}	l	Gas volume [l]	Weight [kg]
2490.15.03000.010	10	75	85	0.054	1.23
2490.15.03000.016	16	87	103	0.08	1.36
2490.15.03000.025	25	105	130	0.119	1.55
2490.15.03000.032	32	118	150	0.148	1.69
2490.15.03000.040	40	135	175	0.185	1.86
2490.15.03000.050	50	155	205	0.228	2.07
2490.15.03000.065	65	191	256	0.305	2.44

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!