

Gas spring, Standard

Note:

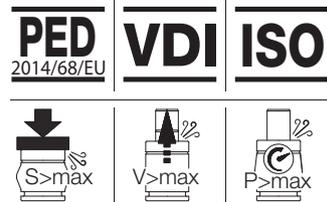
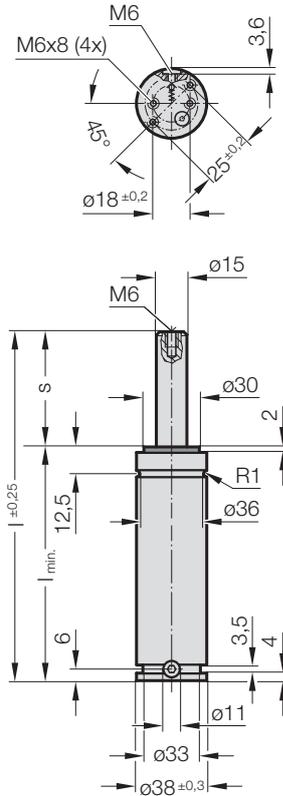
Initial spring force at 150 bar = 260 daN

Order No for spare parts kit: 2480.15.00250
(Stroke length 10 and 13 not repairable)

Gas spring without valve
Order No (example): 2480.15.00250..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 - 100 (at 20°C)
Max. piston rod speed: 1.8 m/s

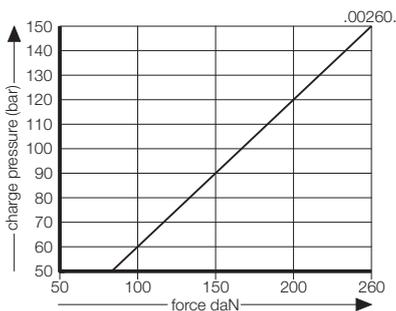
2480.15.00250.



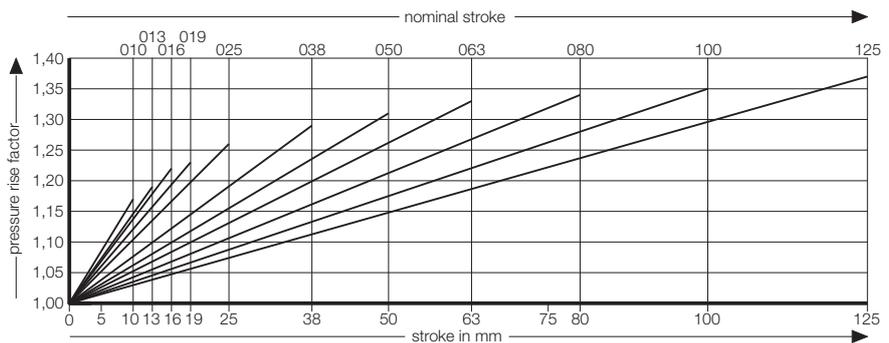
2480.15.00250. Gas spring, Standard

Order No	s (Stroke max.)	l _{min.}	l	Gas volume [l]	Weight [kg]
2480.15.00250.010	10	60	70	0.016	0.4
2480.15.00250.013	12.7	62.7	75.4	0.018	0.41
2480.15.00250.016	16	66	82	0.021	0.43
2480.15.00250.019	19	69	88	0.023	0.45
2480.15.00250.025	25	75	100	0.027	0.48
2480.15.00250.038	38	88	126	0.037	0.54
2480.15.00250.050	50	100	150	0.046	0.6
2480.15.00250.063	63.5	113.5	177	0.057	0.66
2480.15.00250.080	80	130	210	0.069	0.74
2480.15.00250.100	100	150	250	0.084	0.81
2480.15.00250.125	125	175	300	0.102	0.98

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!