

GAS SPRING, STANDARD

Note:

Initial spring force at 150 bar = 250 daN

Order No for spare parts kit: 2480.13.00250

Gas spring without valve

Order No (example): 2480.13.00250. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 50 bar

Working temperature: 0°C to +80°C

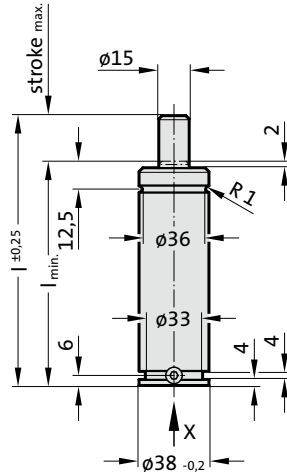
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

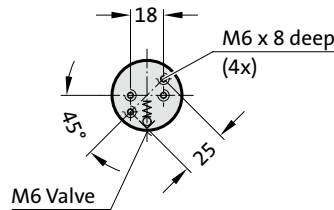
approx. 80 to 100 (at 20°C)

Max. piston speed: 1.6 m/s

2480.13.00250.



View X

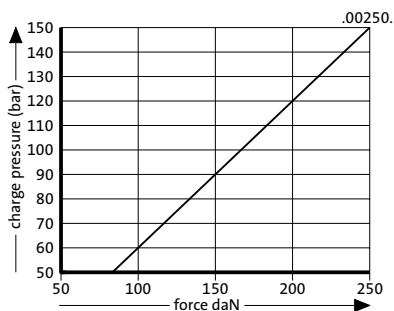


2480.13.00250.

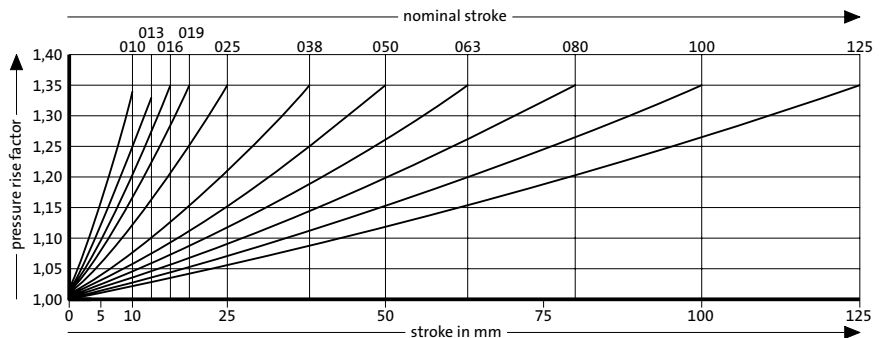
Gas spring, Standard

Order No	Stroke _{max.} (s)	l _{min.}	l
2480.13.00250.010	10	60	70
2480.13.00250.013	12.7	62.7	75.4
2480.13.00250.016	16	66	82
2480.13.00250.019	19	69	88
2480.13.00250.025	25	75	100
2480.13.00250.038	38.1	88.1	126.2
2480.13.00250.050	50	100	150
2480.13.00250.063	63.5	113.5	177
2480.13.00250.080	80	130	210
2480.13.00250.100	100	150	250
2480.13.00250.125	125	175	300

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!