

GAS SPRING, STANDARD

Note:

Initial spring force at 150 bar = 470 daN

Order No for spare parts kit: 2480.13.00500

Gas spring without valve

Order No (example): 2480.13.00500. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 50 bar

Working temperature: 0°C to +80°C

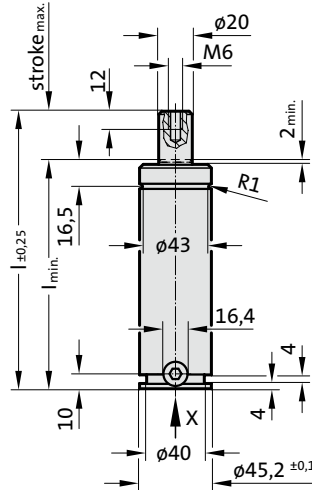
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

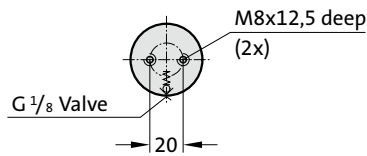
approx. 40 to 80 (at 20°C)

Max. piston speed: 1.6 m/s

2480.13.00500.



View X

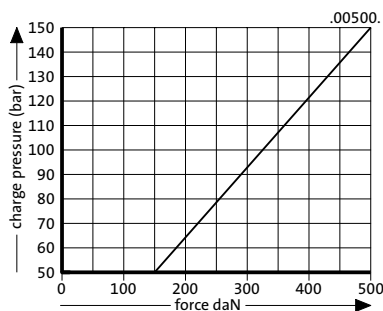


2480.13.00500.

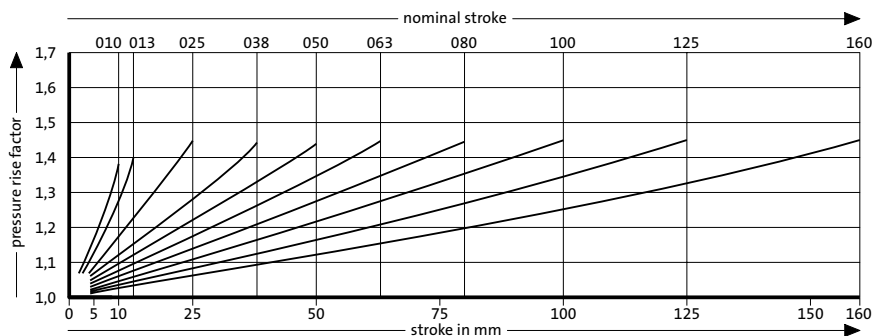
Gas spring, Standard

Order No	Stroke _{max.} (s)	l _{min.}	l
2480.13.00500.010	10	95	105
2480.13.00500.013	12.7	97.7	110.4
2480.13.00500.025	25	110	135
2480.13.00500.038	38.1	123.1	161.2
2480.13.00500.050	50	135	185
2480.13.00500.063	63.5	148.5	212
2480.13.00500.080	80	165	245
2480.13.00500.100	100	185	285
2480.13.00500.125	125	210	335
2480.13.00500.160	160	245	405

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!