Gas spring, Standard, with external thread

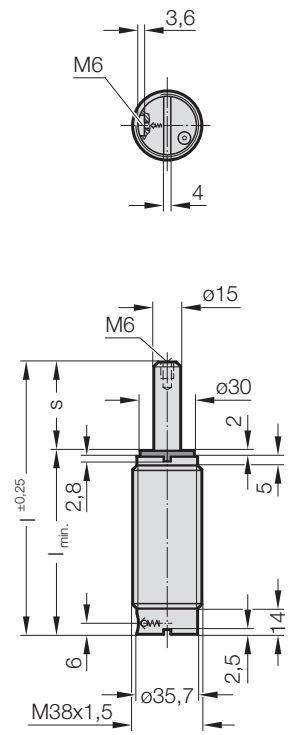
Note:
Initial spring force at 150 bar = 260 daN

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

Pressure medium: Nitrogen N_2
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: 1.8 m/s

Fastening:
Installation with ring nut(s) 2480.005.00250 can be done with one or two ring nuts. If the hole in the bolster plate is not threaded, two ring nuts are needed. Holes threaded M 38 × 1,5 require one only ring nut for mounting of the gas springs.
Mounting with a threaded flange plate has the advantage of a degree of adjustability as far as the flange screws permit, moreover it is often found easier to make do with a clearance hole in the tool plate. Locking is by way of two lock screws with thrust plugs, provided in the threaded flange.
Diameter of through-hole in tool plate = 38 mm – plus four tapped holes M 8.

2480.35.00250.

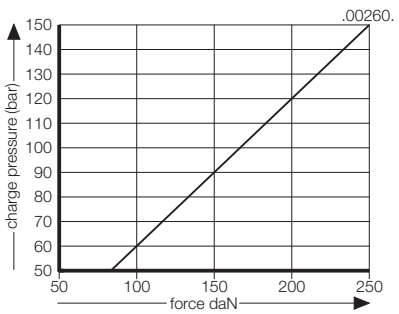


PED 2014/68/EU

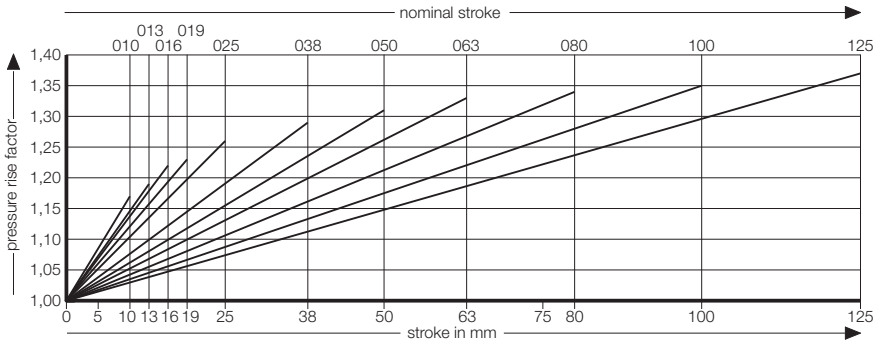
2480.35.00250. Gas spring, Standard, with external thread

Order No	s (Stroke max.)	$l_{min.}$	l	Gas volume [l]	Weight [kg]
2480.35.00250.013	12.7	62.7	75.4	0.018	0.38
2480.35.00250.025	25	75	100	0.027	0.44
2480.35.00250.038	38	88	126	0.037	0.5
2480.35.00250.050	50	100	150	0.046	0.55
2480.35.00250.063	63.5	113.5	177	0.057	0.63
2480.35.00250.080	80	130	210	0.069	0.7
2480.35.00250.100	100	150	250	0.084	0.75
2480.35.00250.125	125	175	300	0.102	0.93

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!