

GAS SPRING WITH EXTERNAL THREAD

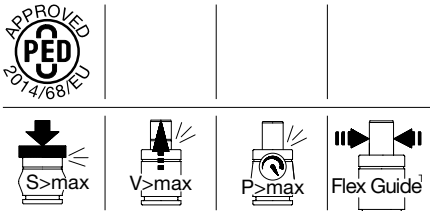
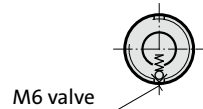
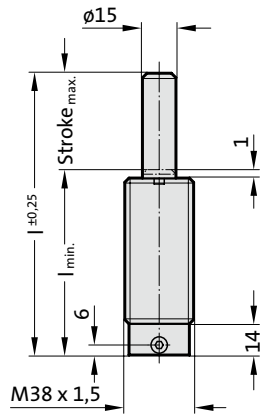
Note:
Initial spring force at 150 bar = 250 daN

Order No for spare parts kit: 2480.12.00250

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

Fixing:
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.

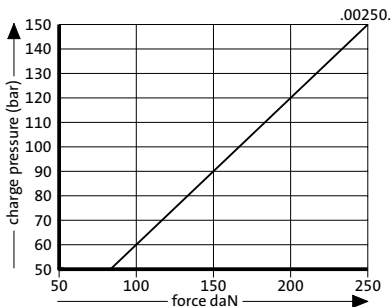
2480.32.00250.



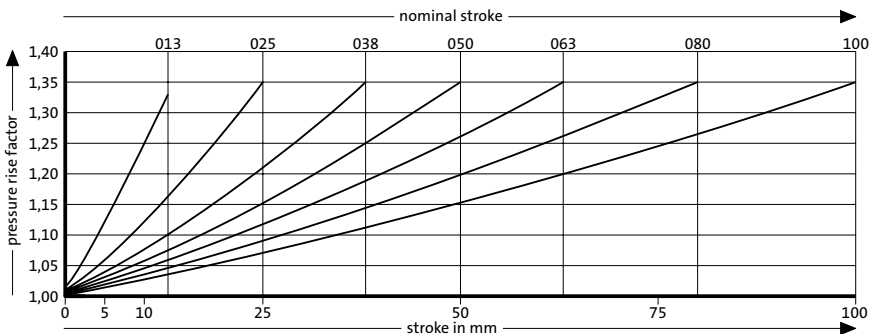
2480.32.00250.
Gas spring with external thread

Order No	Stroke _{max.} (s)	l _{min.}	l
2480.32.00250.013	12.7	62.7	75.4
2480.32.00250.025	25	75	100
2480.32.00250.038	38.1	88.1	126.2
2480.32.00250.050	50	100	150
2480.32.00250.063	63.5	113.5	177
2480.32.00250.080	80	130	210
2480.32.00250.100	100	150	250

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!