

STOCK LIFTER

Description:

The cylinder base can be used for topping up and reducing gas pressure and for inter-connection arrangements.

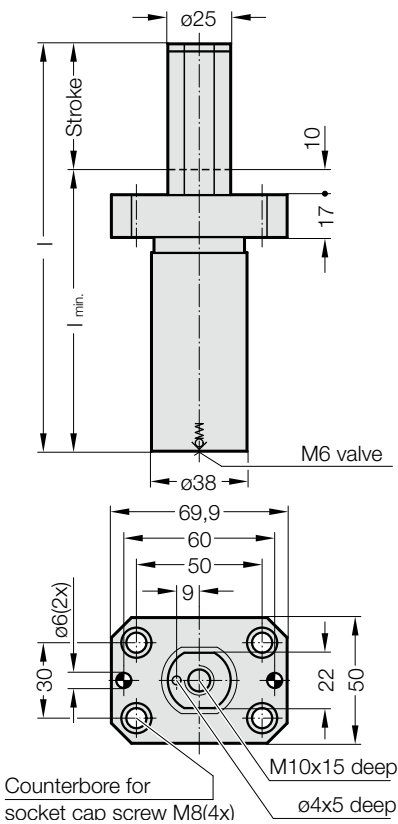
Note:

Stocklifters are equipped with a "PowerLine" 2487.12.00170. gas spring with no option for wear compensation, so complete replacement is required.

Initial spring force: 170 daN
Pressure medium: Nitrogen – N₂
Max. filling pressure: 180 bar
Min. filling pressure: 25 bar
Working temperature: 0°C to +80°C
Temperature related force increase: ± 0,3%/°C
Max. recommended extensions per minute: approx. 40 to 100 (at 20°C)
Max. piston speed: 1,6 m/s
Max. usable stroke: 100%

Spring forces as per spring diagram.

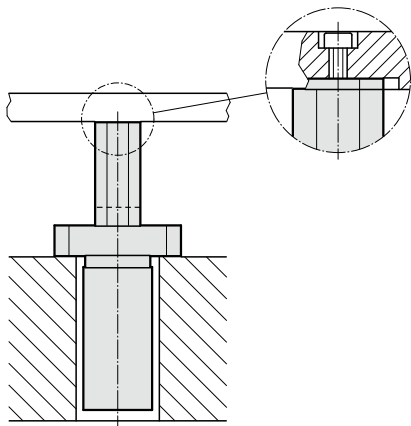
2478.30. . 1



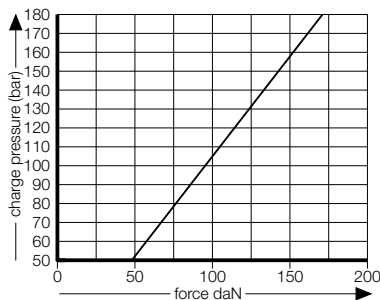
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Stock lifter

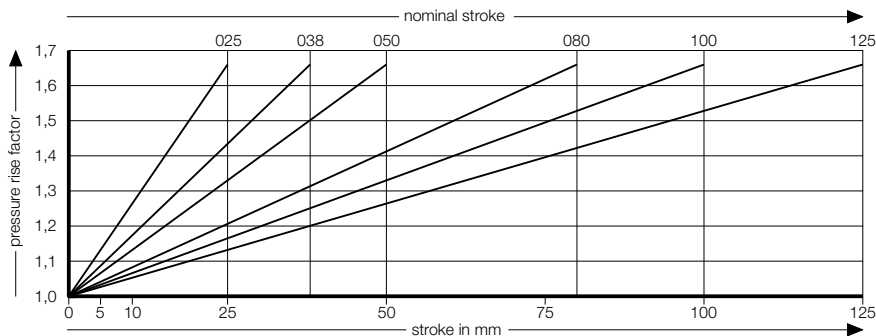
Order No	Stroke _{max.}	$l_{min.}$	l
2478.30.00170.025.1	25	87	112
2478.30.00170.038.1	38	100	138
2478.30.00170.050.1	50	112	162
2478.30.00170.080.1	80	145	225
2478.30.00170.100.1	100	165	265
2478.30.00170.125.1	125	190	315



Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!