

Gas spring MAXFORCE

Note:

Initial spring force at 200 bar = 980 daN

Order No for spare parts kit: 2497.15.01000

Pressure medium: Nitrogen N₂

Max. filling pressure: 200 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

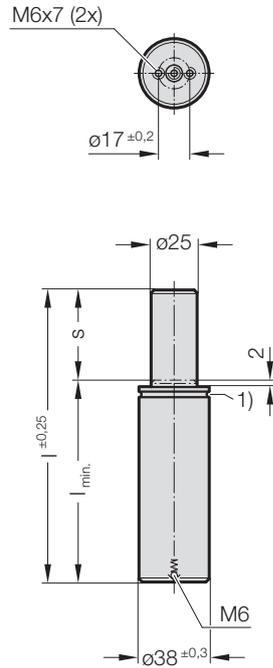
Max. recommended extensions per minute:

approx. 40 to 80 (at 20°C)

Max. piston rod speed: 1.6 m/s

1) Only for mounting additional wipers

2497.15.01000.

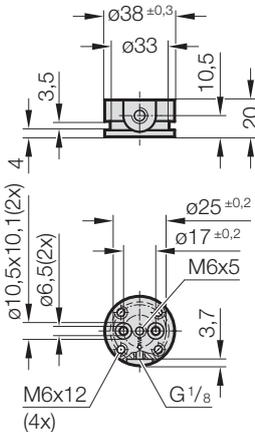


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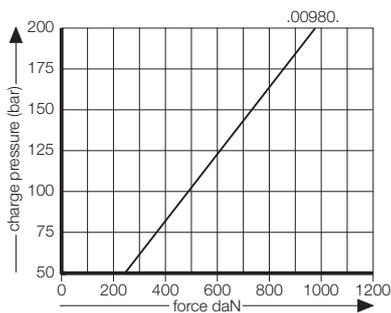


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Adapter base plate with valve, flat-sealing



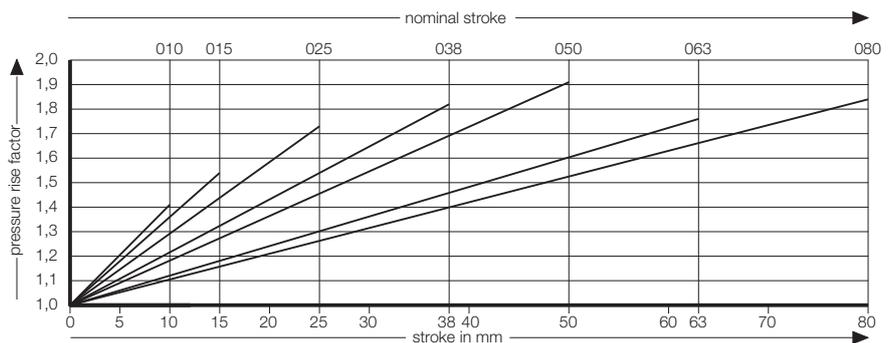
Initial spring force
versus charge pressure



2497.15.01000. Gas spring MAXFORCE

Order No	s (Stroke max.)	l _{min.}	l	Gas volume [l]	Weight [kg]
2497.15.01000.010	10	65	75	0.022	0.37
2497.15.01000.015	15	70	85	0.026	0.39
2497.15.01000.025	25	80	105	0.036	0.45
2497.15.01000.038	38	97	135	0.051	0.53
2497.15.01000.050	50	110	160	0.063	0.6
2497.15.01000.063	63	142	205	0.089	0.73
2497.15.01000.080	80	160	240	0.106	0.82

Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!