

Gas spring MAXFORCE

Note:

Initial spring force at 200 bar = 510 daN

Worn gas springs cannot be repaired, they have to be replaced completely.

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

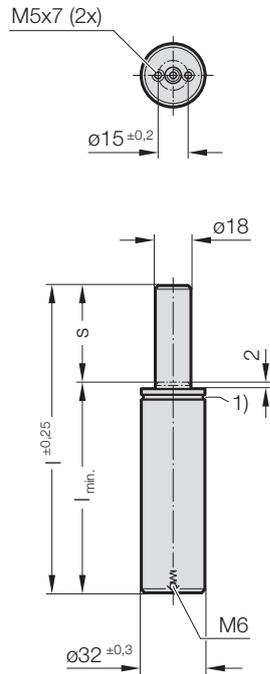
Max. recommended extensions per minute:

approx. 40 to 80 (at 20°C)

Max. piston rod speed: 1.6 m/s

1) Only for mounting additional wipers

2497.15.00500.



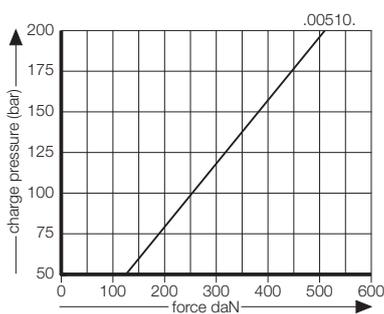
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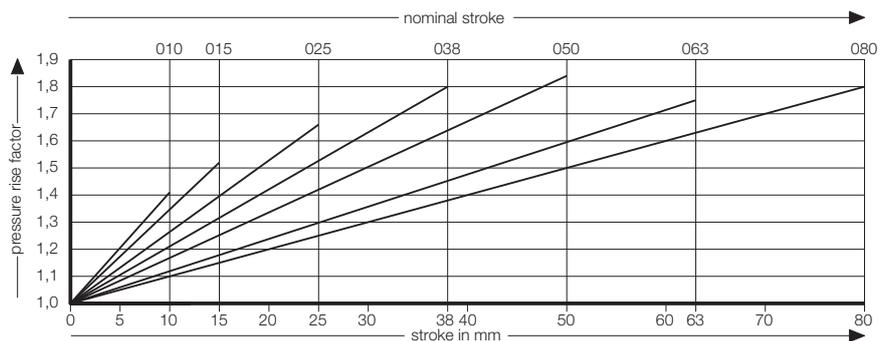
2497.15.00500. Gas spring MAXFORCE

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2497.15.00500.010	10	65	75	0.011	0.28
2497.15.00500.015	15	70	85	0.014	0.3
2497.15.00500.025	25	80	105	0.02	0.34
2497.15.00500.038	38	92	130	0.027	0.39
2497.15.00500.050	50	105	155	0.034	0.43
2497.15.00500.063	63	127	190	0.046	0.51
2497.15.00500.080	80	145	225	0.056	0.57

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!