

GAS SPRING CX, COMPACT XTREME

Note:

Initial spring force at 200 bar = 500 daN

Order No for spare parts kit: 2497.12.00500

For stroke lengths over 25 mm, the gas pressure springs in the tool should be attached to the base through the threaded holes. When mounting to floor, contact over the entire floor of the cylinder tube must be ensured! Before fitting the adapter base plate remove the valve from the gas spring. If vibration occurs, tighten the fixing screws accordingly.

Pressure medium: Nitrogen N_2

Max. filling pressure: 200 bar

Min. filling pressure: 25 bar

Working temperature: 0°C to +80°C

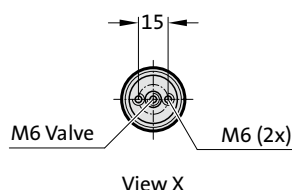
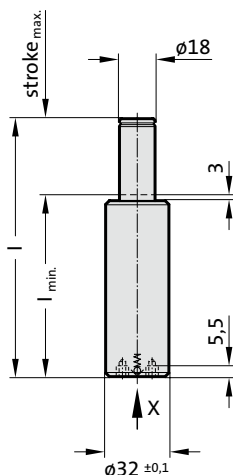
Temperature related force increase: $\pm 0.3\%/^{\circ}C$

Max. recommended extensions per minute:

approx. 70 to 200 (at 20°C)

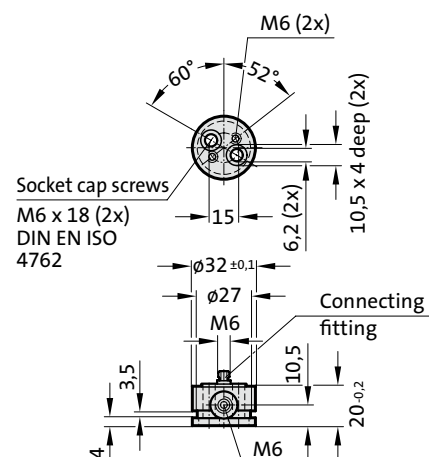
Max. piston speed: 1.6 m/s

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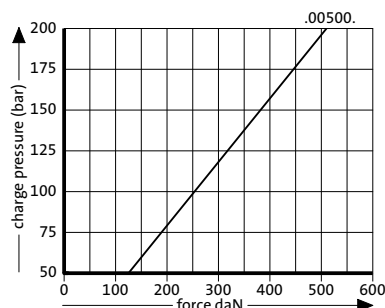


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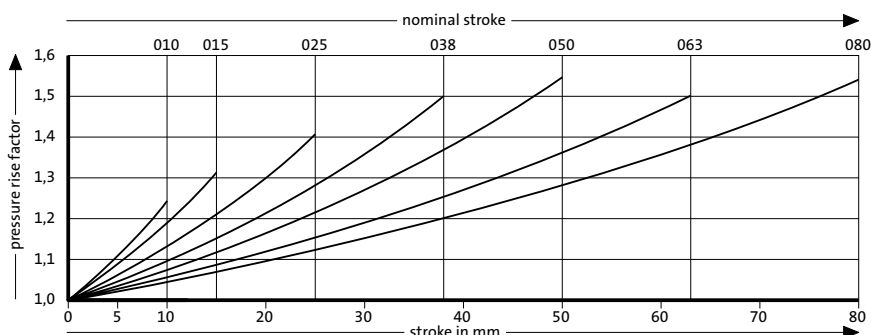
Adapter baseplate with connecting fitting, without valve (only for use with composite connections)



Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!



2497.12.00500.

Gas spring CX, Compact Xtreme

Order No	Stroke _{max.} (s)	l _{min.}	l
2497.12.00500.010	10	65	75
2497.12.00500.015	15	70	85
2497.12.00500.025	25	80	105
2497.12.00500.038	38	92	130
2497.12.00500.050	50	105	155
2497.12.00500.063	63	127	190
2497.12.00500.080	80	145	225