

GAS SPRING DS

Note:

Initial spring force at 150 bar = 3000 daN

Order No. for spare parts kit: 2486.22.03000

Pressure medium: Nitrogen - N₂

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

Working temperature: 0°C bis +80°C

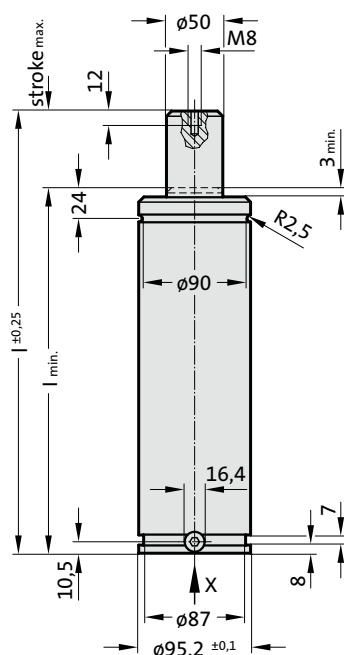
Temperature related force increase: $\pm 0.3\%/^{\circ}\text{C}$

Max. recommended extensions per minute:
approx. 20 to 50 (at 20°C)

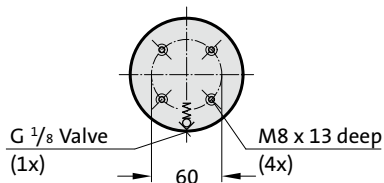
Max. piston speed: 1.6 m/s

Max. return stroke speed: 0.2 m/min

2486.22.03000.



View X - Gas spring

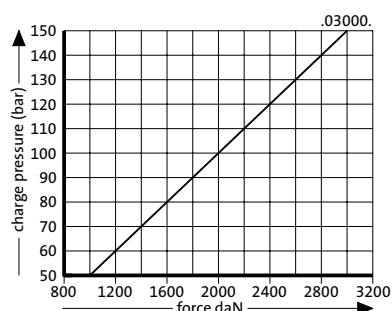


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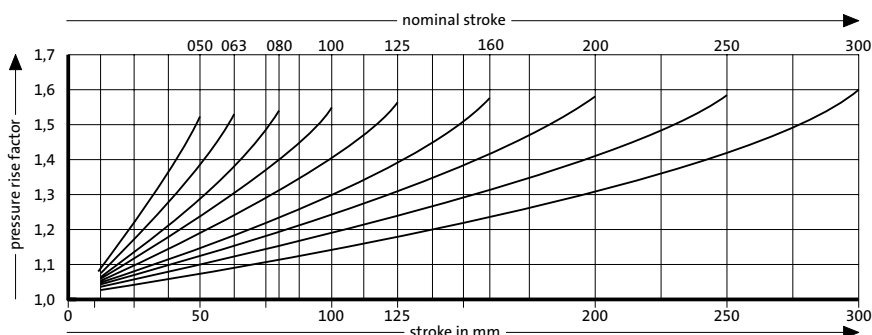
Gas spring DS

Order No	Stroke _{max} (s)	l _{min}	l
2486.22.03000.050	50	170	220
2486.22.03000.063	63.5	183.5	247
2486.22.03000.080	80	200	280
2486.22.03000.100	100	220	320
2486.22.03000.125	125	245	370
2486.22.03000.160	160	280	440
2486.22.03000.200	200	320	520
2486.22.03000.250	250	370	620
2486.22.03000.300	300	420	720

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!