

GAS SPRING DS

Note:

Initial spring force at 150 bar = 5000 daN

Order No. for spare parts kit: 2486.22.05000

Pressure medium: Nitrogen - N₂

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

Working temperature: 0°C bis +80°C

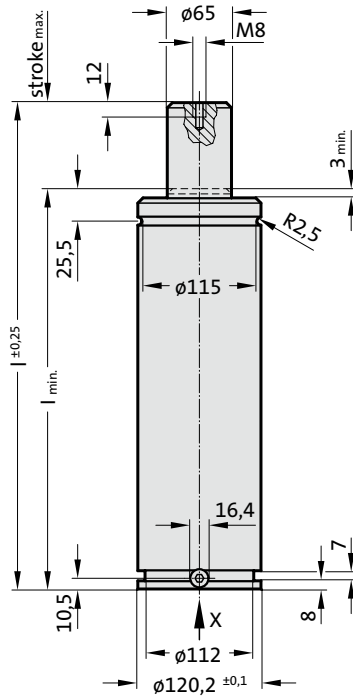
Temperature related force increase: ± 0.3%/°C

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

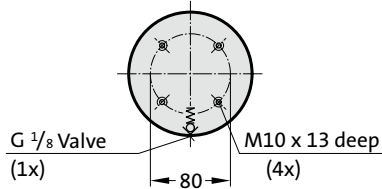
Max. piston speed: 1.6 m/s

Max. return stroke speed: 0.2 m/min

2486.22.05000.



View X - Gas spring

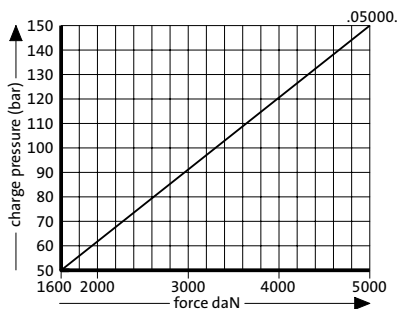


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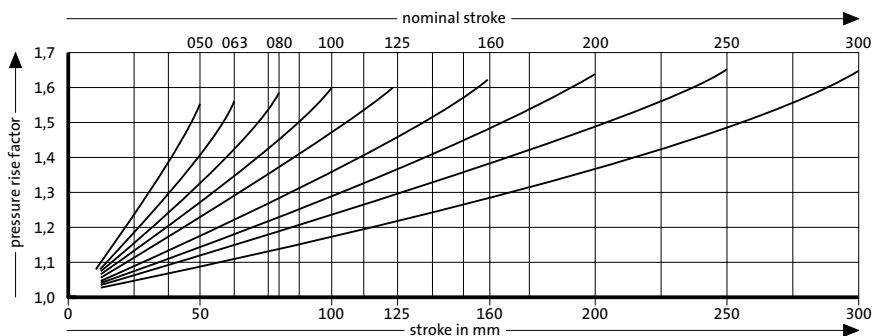
Gas spring DS

Order No	Stroke _{max.} (s)	l _{min.}	l
2486.22.05000.050	50	190	240
2486.22.05000.063	63.5	203.5	267
2486.22.05000.080	80	220	300
2486.22.05000.100	100	240	340
2486.22.05000.125	125	265	390
2486.22.05000.160	160	300	460
2486.22.05000.200	200	340	540
2486.22.05000.250	250	390	640
2486.22.05000.300	300	440	740

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!