

GAS SPRING, WITH LOW BUILD HEIGHT

Note:

Initial spring force at 150 bar = 1500 daN

Order No for spare parts kit: 2485.12.01500

Gas spring without valve

Order No (example): 2485.12.01500. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 25 bar

Working temperature: 0°C to +80°C

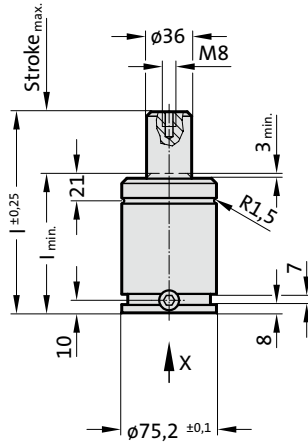
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

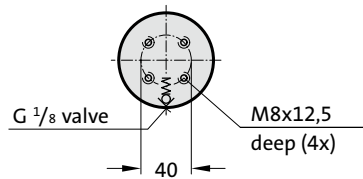
approx. 15 to 40 (at 20°C)

Max. piston speed: 1.6 m/s

2485.12.01500.



View X - Gas spring

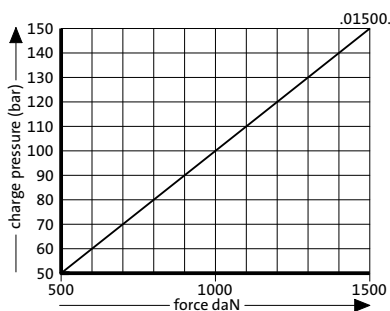


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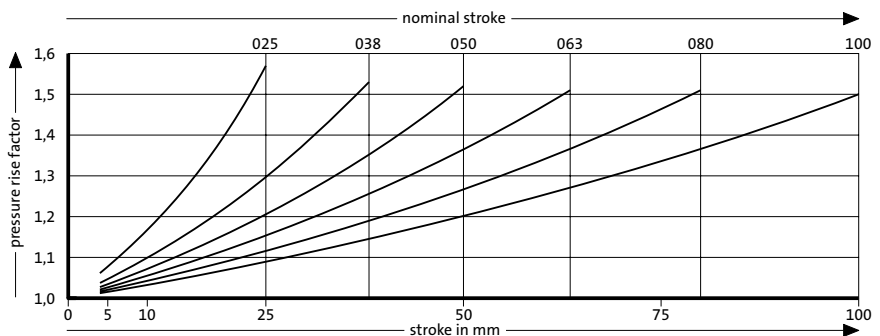
Gas spring, with low build height

Order No	Stroke _{max.} (s)	l _{min.}	l
2485.12.01500.025	25	85	110
2485.12.01500.038	38.1	98.1	136.2
2485.12.01500.050	50	110	160
2485.12.01500.063	63.5	123.5	187
2485.12.01500.080	80	140	220
2485.12.01500.100	100	160	260

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!