

Gas spring, with low build height

Note:

Initial spring force at 150 bar = 1530 daN

Order No for spare parts kit: 2485.15.01500

Gas spring without valve

Order No (example): 2485.15.01500. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

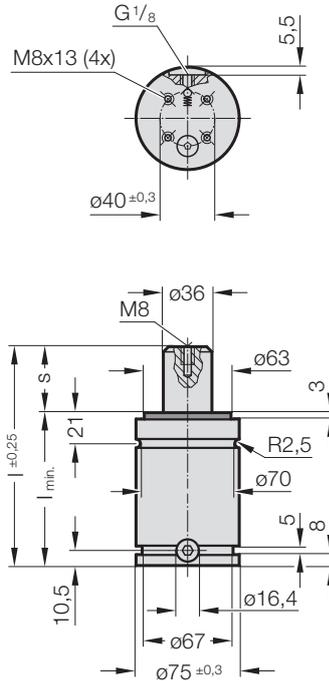
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 20 to 80 (at 20°C)

Max. piston rod speed: 1.8 m/s

2485.15.01500.



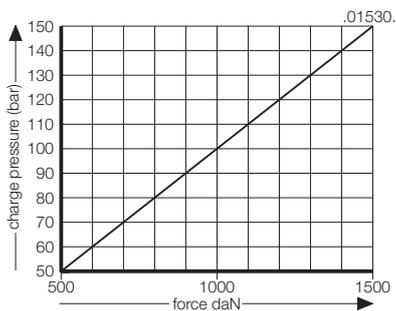
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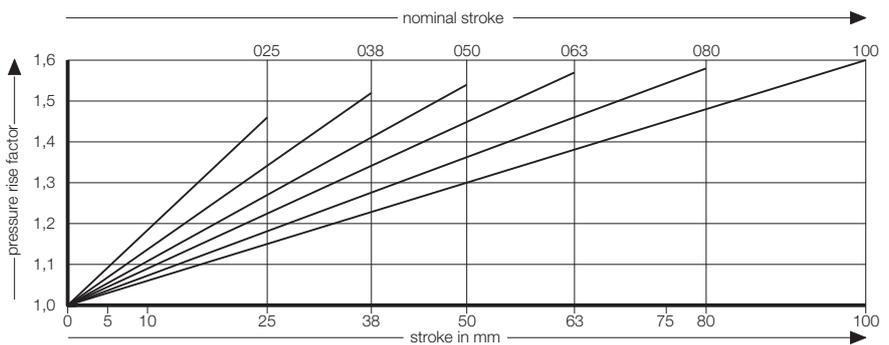
2485.15.01500. Gas spring, with low build height

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2485.15.01500.025	25	85	110	0.093	2.25
2485.15.01500.038	38	98	136	0.131	2.53
2485.15.01500.050	50	110	160	0.166	2.78
2485.15.01500.063	63	123	186	0.204	3.06
2485.15.01500.080	80	140	220	0.253	3.42
2485.15.01500.100	100	160	260	0.312	3.84

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!