GAS SPRING POWERLINE

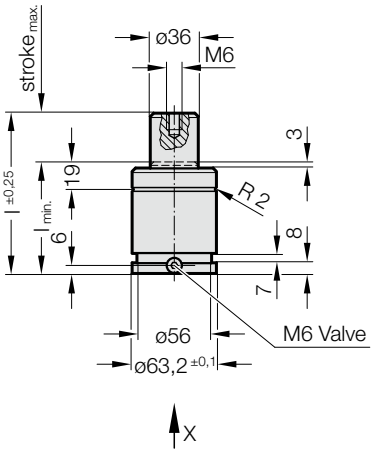
Note:
Initial spring force at 150 bar = 1500 daN

Order No for spare parts kit: 2487.12.01500

Gas spring without valve
Order No (example): 2487.12.01500. .P

Pressure medium: Nitrogen N_2
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. 50 to 100 (at 20°C)
Max. piston speed: 1.6 m/s

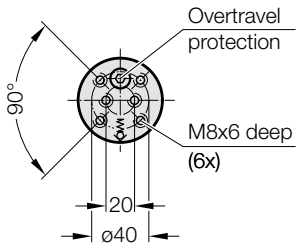
2487.12.01500.



APPROVED PED 2014/68/EU | VDI | ISO

S>max | V>max | P>max | Flex Guide™

View X

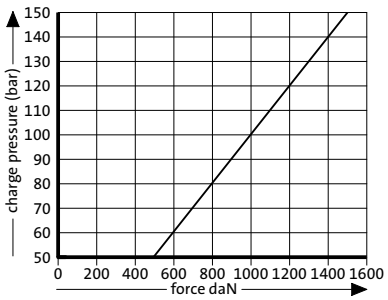


2487.12.01500.

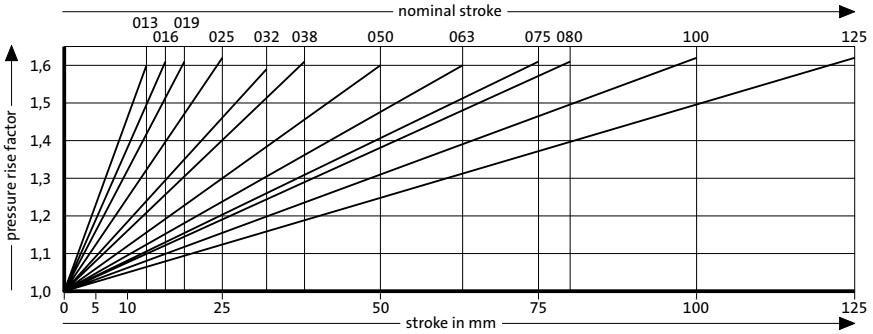
Gas spring POWERLINE

Order No	Stroke$_{max.}$ (s)	$l_{min.}$	l
2487.12.01500.013	13	57	70
2487.12.01500.016	16	60	76
2487.12.01500.019	19	63	82
2487.12.01500.025	25	69	94
2487.12.01500.032	32	76	108
2487.12.01500.038	38	82	120
2487.12.01500.050	50	94	144
2487.12.01500.063	63	107	170
2487.12.01500.075	75	119	194
2487.12.01500.080	80	124	204
2487.12.01500.100	100	144	244
2487.12.01500.125	125	169	294

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!