

Gas spring POWERLINE

Note:

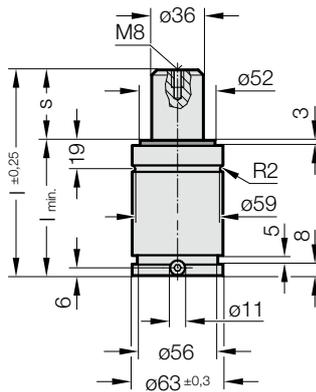
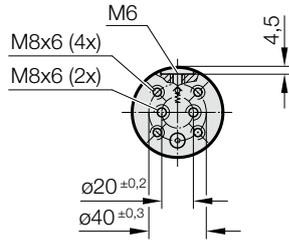
Initial spring force at 150 bar = 1530 daN

Order No for spare parts kit: 2487.15.01500
(Stroke length 10 and 13 not repairable)

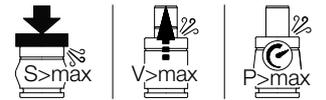
Gas spring without valve
Order No (example): 2487.15.01500. .P

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 - 100 (at 20°C)
Max. piston rod speed: 1.8 m/s

2487.15.01500.



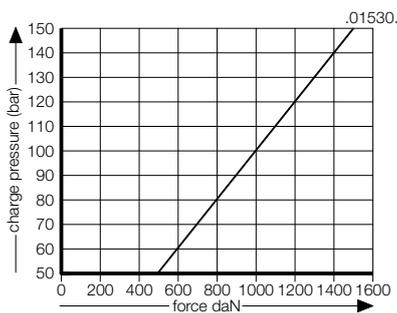
PED 2014/68/EU | **VDI** | **ISO**



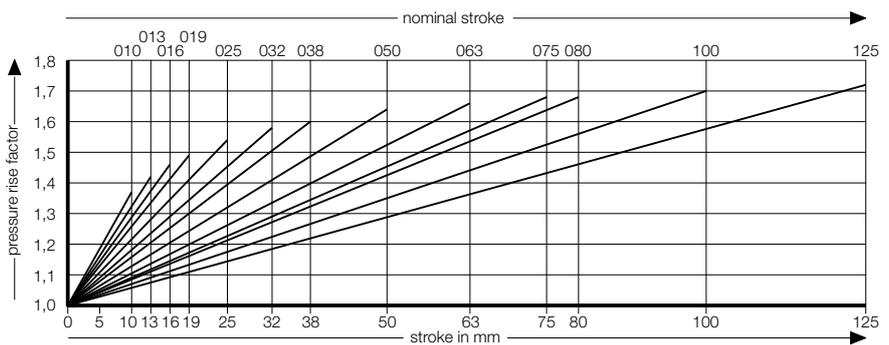
2487.15.01500. Gas spring POWERLINE

Order No	s (Stroke _{max})	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.01500.010	10	54	64	0.044	0.88
2487.15.01500.013	13	57	70	0.052	0.91
2487.15.01500.016	16	60	76	0.06	0.96
2487.15.01500.019	19	63	82	0.068	0.99
2487.15.01500.025	25	69	94	0.084	1.06
2487.15.01500.032	32	76	108	0.102	1.14
2487.15.01500.038	38	82	120	0.118	1.21
2487.15.01500.050	50	94	144	0.149	1.36
2487.15.01500.063	63	107	170	0.184	1.52
2487.15.01500.075	75	119	194	0.215	1.66
2487.15.01500.080	80	124	204	0.229	1.72
2487.15.01500.100	100	144	244	0.281	1.95
2487.15.01500.125	125	169	294	0.347	2.24

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!