

# Gas spring POWERLINE

**Note:**

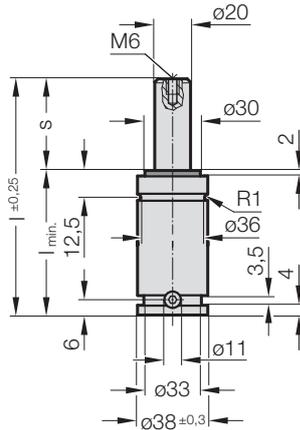
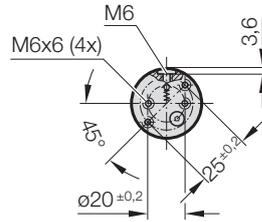
Initial spring force at 150 bar = 470 daN

Order No for spare parts kit: 2487.15.00500  
(Stroke length 10 not repairable)

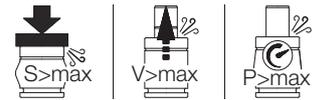
Gas spring without valve  
Order No (example): 2487.15.00500. .P

Pressure medium: Nitrogen N<sub>2</sub>  
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 100 (at 20°C)  
Max. piston rod speed: 1.8 m/s

**2487.15.00500.**



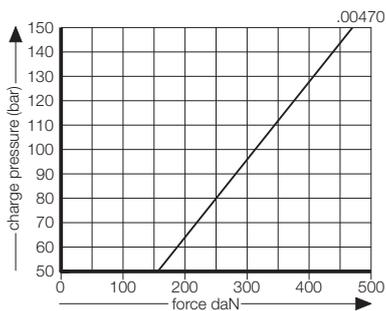
**PED** 2014/68/EU | **VDI** | **ISO**



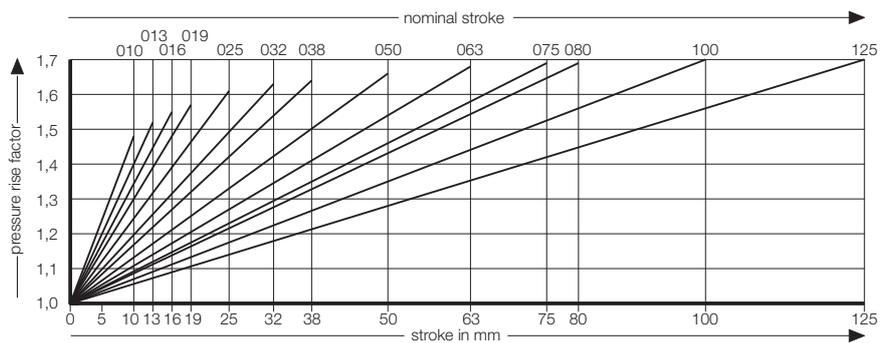
**2487.15.00500. Gas spring POWERLINE**

Order No	s (Stroke <sub>max.</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2487.15.00500.010	10	40	50	0.011	0.27
2487.15.00500.013	13	43	56	0.014	0.25
2487.15.00500.016	16	46	62	0.016	0.26
2487.15.00500.019	19	49	68	0.019	0.28
2487.15.00500.025	25	55	80	0.024	0.31
2487.15.00500.032	32	62	94	0.03	0.34
2487.15.00500.038	38	68	106	0.035	0.37
2487.15.00500.050	50	80	130	0.045	0.43
2487.15.00500.063	63	93	156	0.056	0.49
2487.15.00500.075	75	105	180	0.067	0.54
2487.15.00500.080	80	110	190	0.071	0.57
2487.15.00500.100	100	130	230	0.088	0.66
2487.15.00500.125	125	155	280	0.109	0.78

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!