

# Gas spring POWERLINE

## Note:

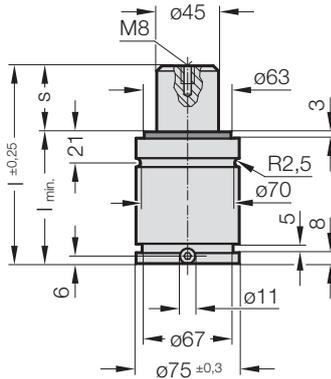
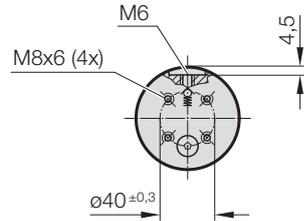
Initial spring force at 150 bar = 2385 daN

Order No for spare parts kit: 2487.15.02400  
(Stroke length 10, 13, 16 and 19 not repairable)

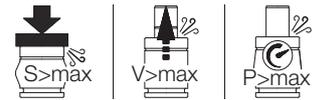
Gas spring without valve  
Order No (example): 2487.15.02400 .P

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

## 2487.15.02400.



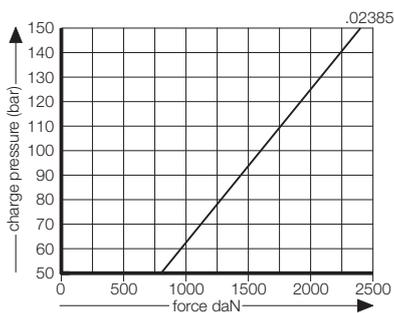
**PED** 2014/68/EU | **VDI** | **ISO**



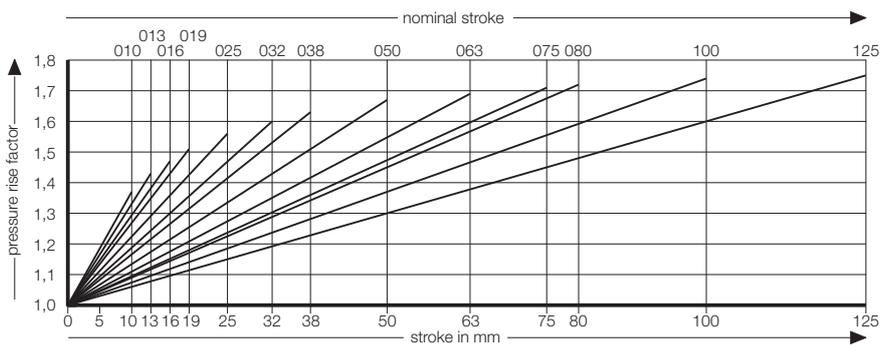
## 2487.15.02400. Gas spring POWERLINE

Order No	s (Stroke <sub>max.</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2487.15.02400.010	10	55	65	0.068	1.25
2487.15.02400.013	13	58	71	0.08	1.3
2487.15.02400.016	16	61	77	0.092	1.35
2487.15.02400.019	19	64	83	0.104	1.4
2487.15.02400.025	25	70	95	0.128	1.5
2487.15.02400.032	32	77	109	0.156	1.61
2487.15.02400.038	38	83	121	0.18	1.7
2487.15.02400.050	50	95	145	0.228	1.89
2487.15.02400.063	63	108	171	0.28	2.1
2487.15.02400.075	75	120	195	0.328	2.229
2487.15.02400.080	80	125	205	0.348	2.37
2487.15.02400.100	100	145	245	0.428	2.68
2487.15.02400.125	125	170	295	0.528	3.07

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!