

# Gas spring POWERLINE with reinforced spring base

## Note:

Initial spring force at 150 bar = 920 daN

Order No for spare parts kit: 2487.15.01000  
(Stroke length 13 not repairable)

Pressure medium: Nitrogen N<sub>2</sub>

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

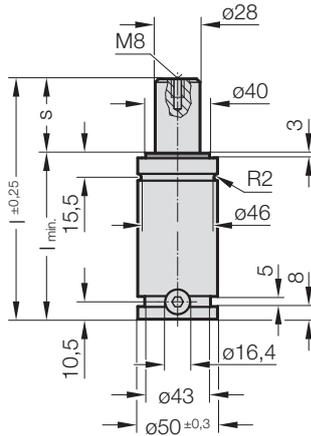
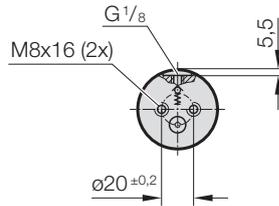
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 20 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

2487.15.33.01000.



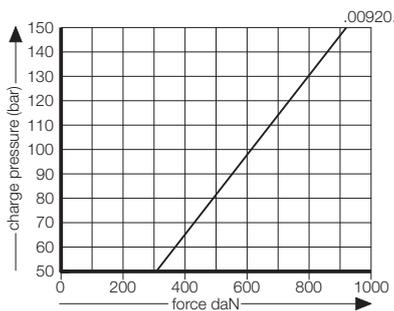
**PED**  
2014/68/EU



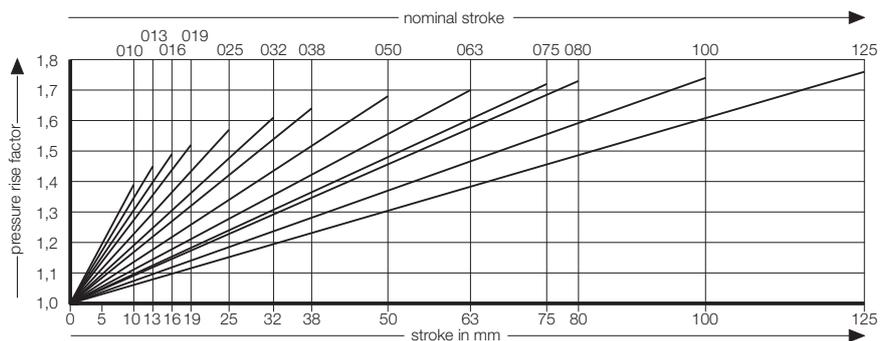
## 2487.15.33.01000. Gas spring POWERLINE with reinforced spring base

Order No	s (Stroke <sub>max</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2487.15.33.01000.010	10	62	72	0.026	0.67
2487.15.33.01000.013	13	65	78	0.03	0.7
2487.15.33.01000.016	16	68	84	0.035	0.72
2487.15.33.01000.019	19	71	90	0.04	0.75
2487.15.33.01000.025	25	77	102	0.049	0.79
2487.15.33.01000.032	32	84	116	0.06	0.85
2487.15.33.01000.038	38	90	128	0.069	0.9
2487.15.33.01000.050	50	102	152	0.088	0.99
2487.15.33.01000.063	63	115	178	0.108	1.1
2487.15.33.01000.075	75	127	202	0.127	1.19
2487.15.33.01000.080	80	132	212	0.135	1.23
2487.15.33.01000.100	100	152	252	0.166	1.39
2487.15.33.01000.125	125	177	302	0.205	1.6

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!