

Gas spring POWERLINE

Note:

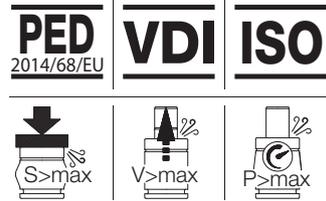
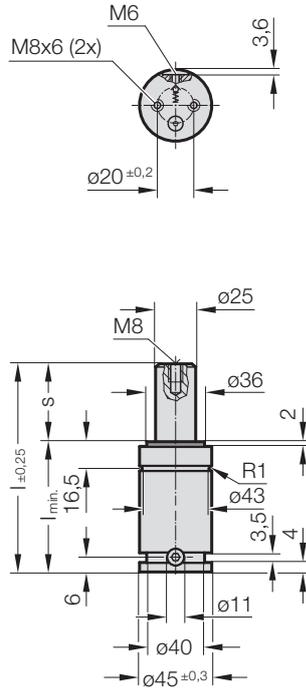
Initial spring force at 150 bar = 740 daN

Order No for spare parts kit: 2487.15.00750
(Stroke length 10 not repairable)

Gas spring without valve
Order No (example): 2487.15.00750. .1.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 to 100 (at 20°C)
Max. piston rod speed: 1.8 m/s

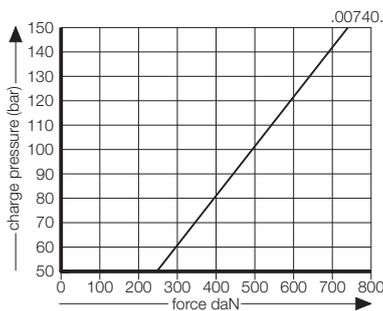
2487.15.00750.



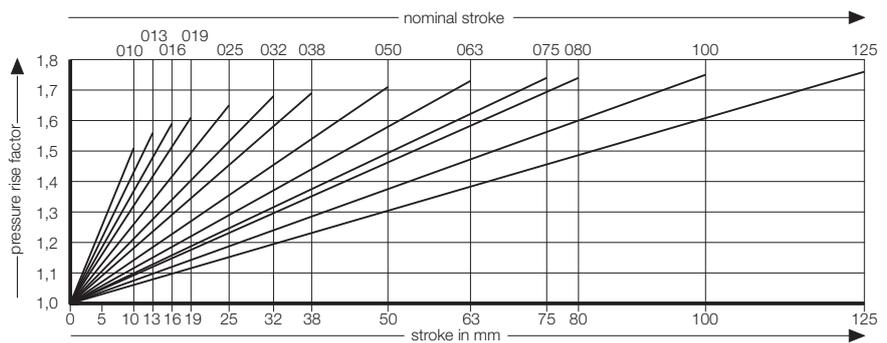
2487.15.00750. Gas spring POWERLINE

Order No	s (Stroke _{max})	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.00750.010	10	42	52	0.017	0.36
2487.15.00750.013	13	45	58	0.204	0.38
2487.15.00750.016	16	48	64	0.024	0.4
2487.15.00750.019	19	51	70	0.028	0.42
2487.15.00750.025	25	57	82	0.036	0.45
2487.15.00750.032	32	64	96	0.044	0.5
2487.15.00750.038	38	70	108	0.052	0.54
2487.15.00750.050	50	82	132	0.067	0.61
2487.15.00750.063	63	95	158	0.083	0.7
2487.15.00750.075	75	107	182	0.098	0.78
2487.15.00750.080	80	112	192	0.105	0.81
2487.15.00750.100	100	132	232	0.13	0.94
2487.15.00750.125	125	157	282	0.162	1.1

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!