

Gas spring POWERLINE with reinforced spring base

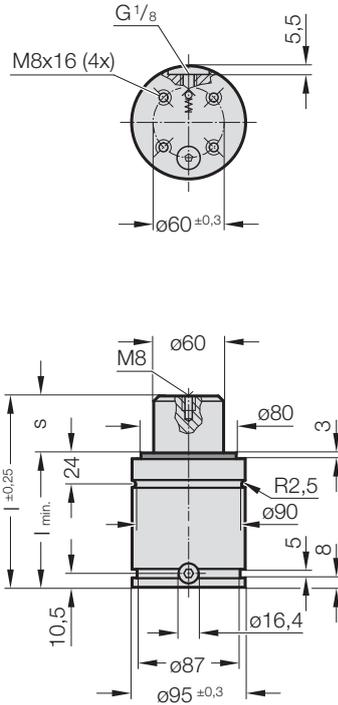
Note:

Initial spring force at 150 bar = 4240 daN

Order No for spare parts kit: 2487.15.04200
(Stroke length 16 and 19 not repairable)

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

2487.15.33.04200.



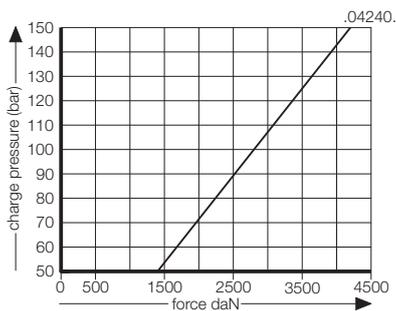
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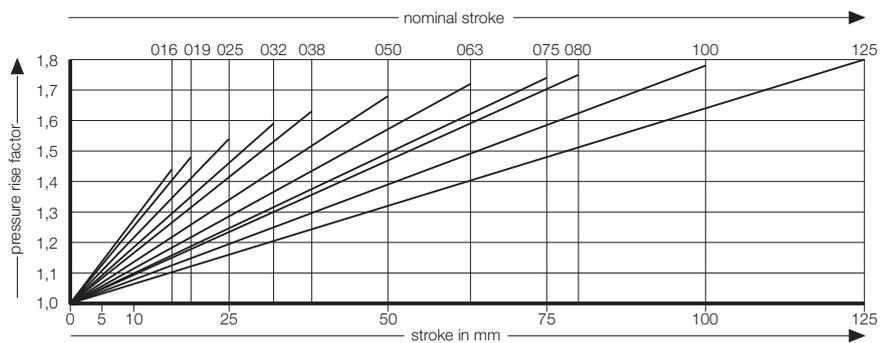
2487.15.33.04200. Gas spring POWERLINE with reinforced spring base

Order No	s (Stroke max.)	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.33.04200.016	16	78	94	0.172	2.98
2487.15.33.04200.019	19	81	100	0.192	3.05
2487.15.33.04200.025	25	87	112	0.232	3.2
2487.15.33.04200.032	32	94	126	0.28	3.38
2487.15.33.04200.038	38	100	138	0.32	3.52
2487.15.33.04200.050	50	112	162	0.401	3.82
2487.15.33.04200.063	63	125	188	0.488	4.15
2487.15.33.04200.075	75	137	212	0.569	4.45
2487.15.33.04200.080	80	142	222	0.603	4.57
2487.15.33.04200.100	100	162	262	0.738	5.07
2487.15.33.04200.125	125	187	312	0.906	5.69

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!