

Gas spring, Standard

Note:

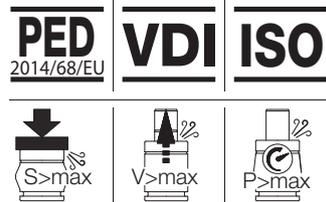
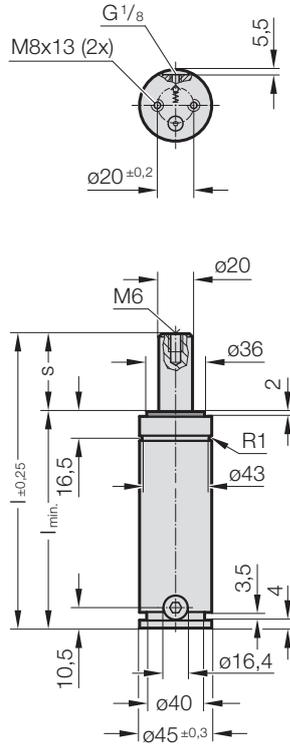
Initial spring force at 150 bar = 470 daN

Order No for spare parts kit: 2480.15.00500
(Stroke length 10 and 13 not repairable)

Gas spring without valve
Order No (example): 2480.15.00500..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. 40 - 80 (at 20°C)
Max. piston rod speed: 1.8 m/s

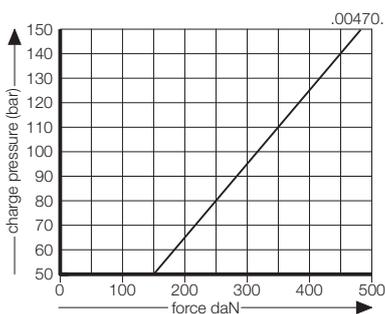
2480.15.00500.



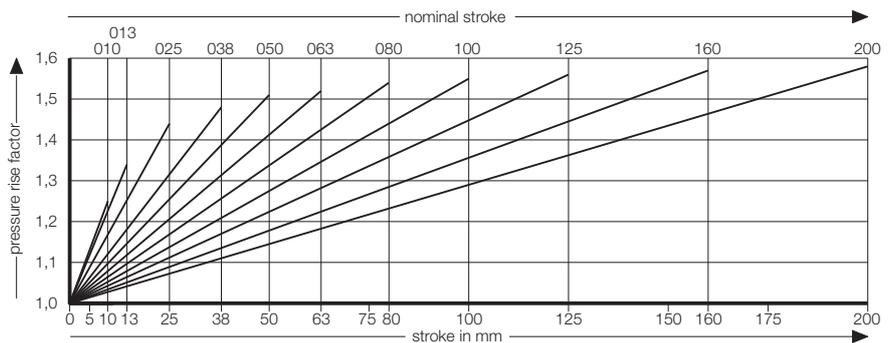
2480.15.00500. Gas spring, Standard

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2480.15.00500.010	10	95	105	0.016	0.9
2480.15.00500.013	12.7	97.7	110.4	0.018	1
2480.15.00500.025	25	110	135	0.03	1.09
2480.15.00500.038	38	123	161	0.043	1.2
2480.15.00500.050	50	135	185	0.054	1.29
2480.15.00500.063	63.5	148.5	212	0.067	1.38
2480.15.00500.080	80	165	245	0.083	1.5
2480.15.00500.100	100	185	285	0.102	1.64
2480.15.00500.125	125	210	335	0.126	1.85
2480.15.00500.160	160	245	405	0.16	2.1
2480.15.00500.200	200	285	485	0.198	2.36

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!