

# Gas spring, with low build height

**Note:**

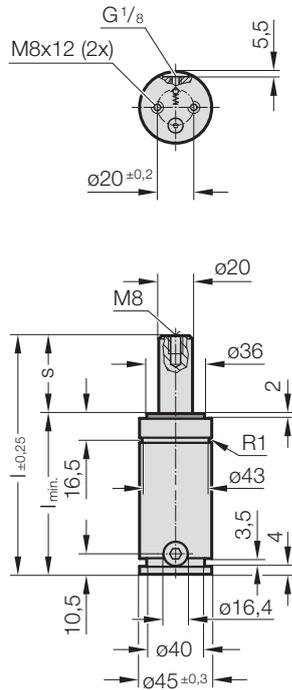
Initial spring force at 150 bar = 470 daN

Order No for spare parts kit: 2485.15.00500  
(Stroke length 6 and 13 not repairable)

Gas spring without valve  
Order No (example): 2485.15.00500. .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. 40 to 100 (at 20°C)  
Max. piston rod speed: 1.8 m/s

**2485.15.00500.**



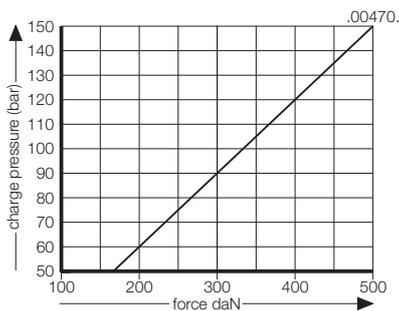
**PED**  
2014/68/EU



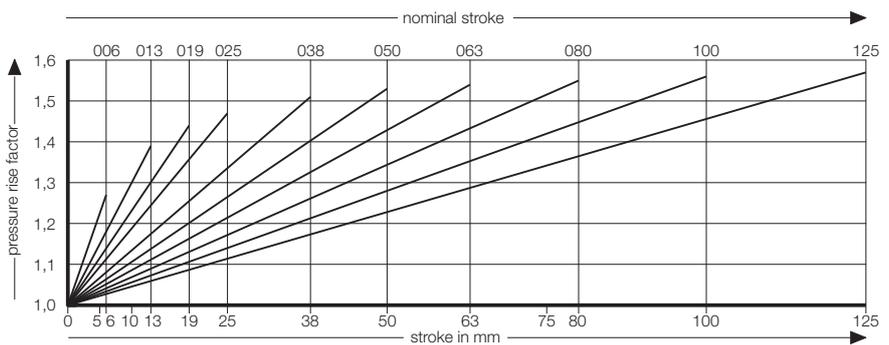
**2485.15.00500. Gas spring, with low build height**

Order No	s (Stroke <sub>max.</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2485.15.00500.006	6	56	62	0.01	0.54
2485.15.00500.013	13	63	76	0.017	0.58
2485.15.00500.019	19	69	88	0.023	0.62
2485.15.00500.025	25	75	100	0.029	0.67
2485.15.00500.038	38	88	126	0.041	0.77
2485.15.00500.050	50	100	150	0.053	0.85
2485.15.00500.063	63	113	176	0.065	0.9
2485.15.00500.080	80	130	210	0.082	1.01
2485.15.00500.100	100	150	250	0.101	1.16
2485.15.00500.125	125	175	300	0.125	1.35

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!