

Gas spring HEAVY DUTY

Note:

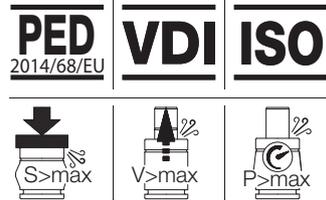
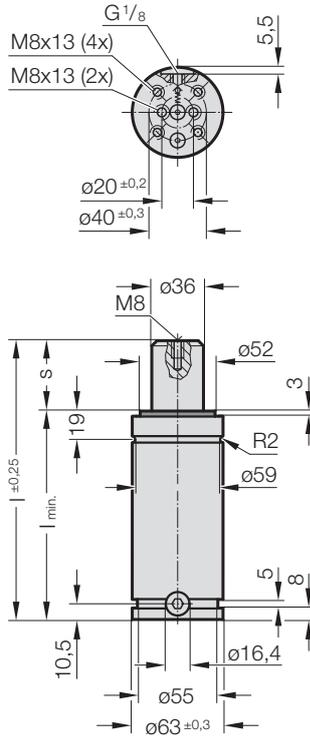
Initial spring force at 150 bar = 15300 daN

Order No for spare parts kit: 2488.15.01500
(Stroke length 13 not repairable)

Gas spring without valve
Order No (example): 2488.15.01500. .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. 15 - 100 (at 20°C)
Max. piston rod speed: 1.8 m/s

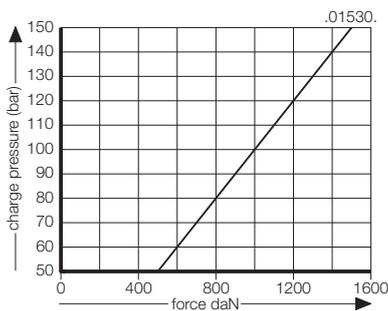
2488.15.01500.



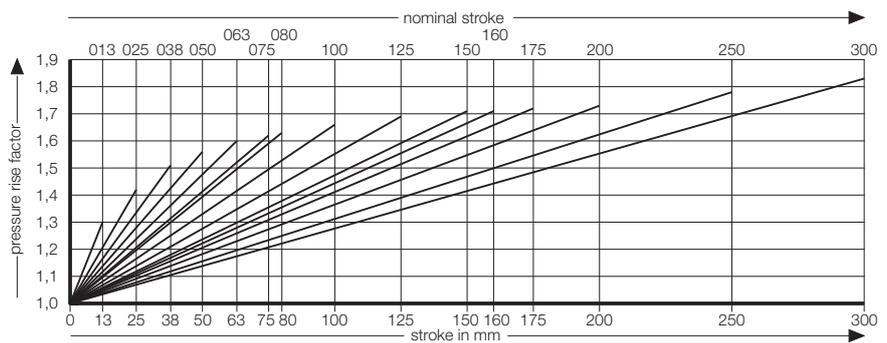
2488.15.01500. Gas spring HEAVY DUTY

Order No	s (Stroke max.)	l _{min.}	l	Gas volume [l]	Weight [kg]
2488.15.01500.013	13	107.7	120.7	0.067	1.98
2488.15.01500.025	25	120	145	0.099	2.13
2488.15.01500.038	38	133	171	0.132	2.29
2488.15.01500.050	50	145	195	0.163	2.44
2488.15.01500.063	63	158	221	0.197	2.6
2488.15.01500.075	75	170	245	0.227	2.75
2488.15.01500.080	80	175	255	0.24	2.81
2488.15.01500.100	100	195	295	0.292	3.03
2488.15.01500.125	125	220	345	0.356	3.34
2488.15.01500.150	150	245	395	0.42	3.64
2488.15.01500.160	160	255	415	0.446	3.77
2488.15.01500.175	175	270	445	0.485	3.95
2488.15.01500.200	200	295	495	0.549	4.26
2488.15.01500.250	250	345	595	0.661	4.99
2488.15.01500.300	300	395	695	0.764	5.61

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!