

Gas spring HEAVY DUTY

Note:

Initial spring force at 150 bar = 920 daN

Order No for spare parts kit: 2488.15.01000
(Stroke length 13 not repairable)

Gas spring without valve

Order No (example): 2488.15.01000. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

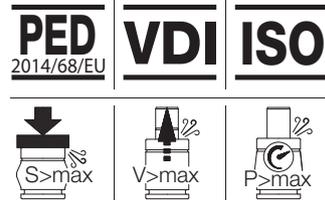
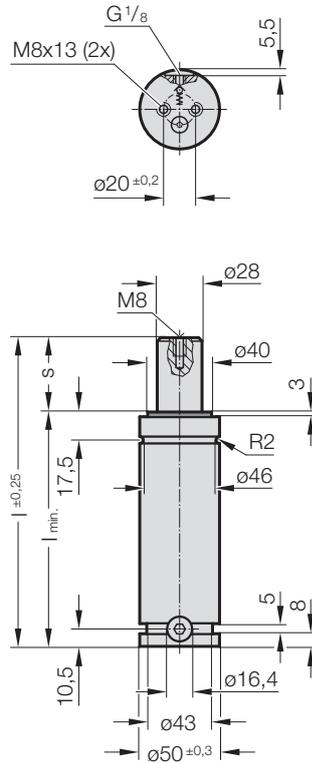
Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:
approx. 15 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

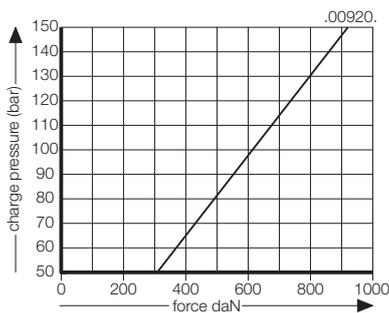
2488.15.01000.



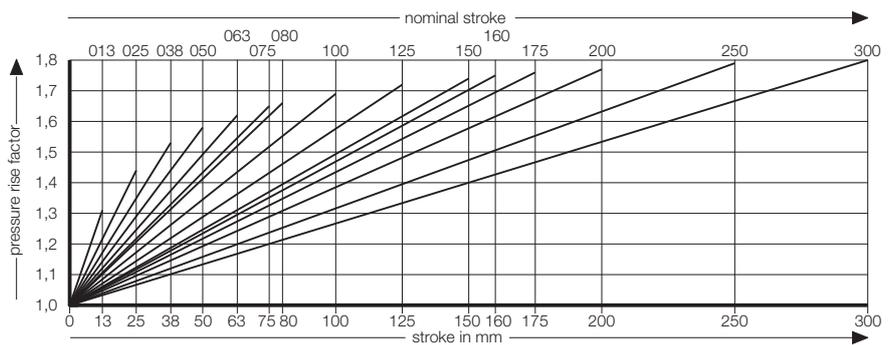
2488.15.01000. Gas spring HEAVY DUTY

Order No	s (Stroke _{max.})	l	l _{min.}	Gas volume [l]	Weight [kg]
2488.15.01000.013	13	120.7	107.7	0.04	1.21
2488.15.01000.025	25	145	120	0.059	1.32
2488.15.01000.038	38	171	133	0.079	1.43
2488.15.01000.050	50	195	145	0.097	1.53
2488.15.01000.063	63	221	158	0.117	1.64
2488.15.01000.075	75	245	170	0.135	1.74
2488.15.01000.080	80	255	175	0.143	1.78
2488.15.01000.100	100	295	195	0.173	1.96
2488.15.01000.125	125	345	220	0.211	2.17
2488.15.01000.150	150	395	245	0.249	2.38
2488.15.01000.160	160	415	255	0.264	2.46
2488.15.01000.175	175	445	270	0.287	2.59
2488.15.01000.200	200	495	295	0.325	2.79
2488.15.01000.250	250	595	345	0.401	3.21
2488.15.01000.300	300	695	395	0.477	3.63

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!