

Gas spring HEAVY DUTY

Note:

Initial spring force at 150 bar = 9540 daN

Order No for spare parts kit: 2488.15.09500

Gas spring without valve

Order No (example): 2488.15.09500 .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

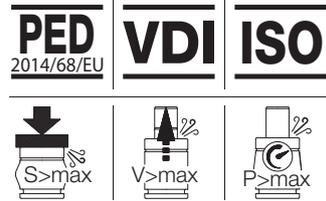
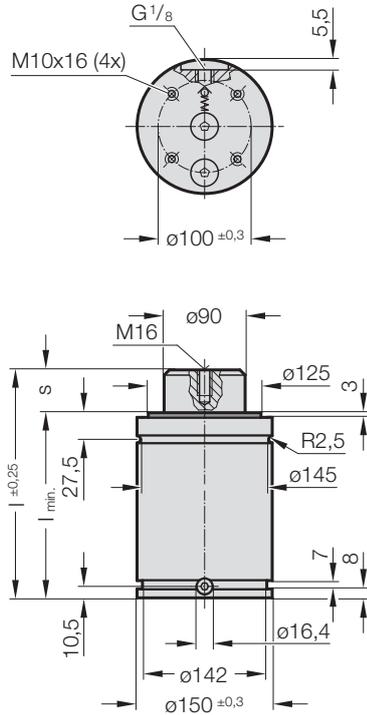
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 15 - 80 (at 20°C)

Max. piston rod speed: 1.8 m/s

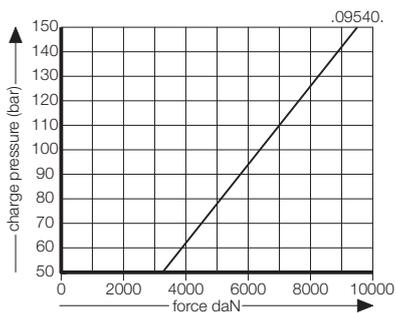
2488.15.09500.



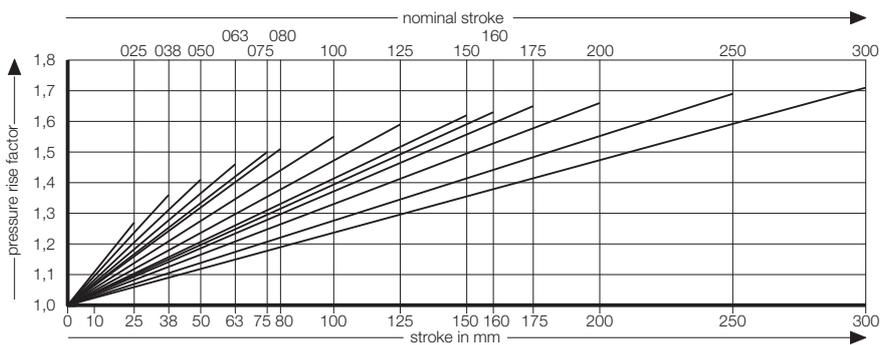
2488.15.09500. Gas spring HEAVY DUTY

Order No	s (Stroke _{max.})	l	l _{min.}	Gas volume [l]	Weight [kg]
2488.15.09500.025	25	205	180	0.867	18
2488.15.09500.038	38	231	193	1.074	18.82
2488.15.09500.050	50	255	205	1.265	19.58
2488.15.09500.063	63	281	218	1.472	20.41
2488.15.09500.075	75	305	230	1.663	21.17
2488.15.09500.080	80	315	235	1.743	21.49
2488.15.09500.100	100	355	255	2.061	22.76
2488.15.09500.125	125	405	280	2.459	24.35
2488.15.09500.150	150	455	305	2.857	25.94
2488.15.09500.160	160	475	315	3.017	26.58
2488.15.09500.175	175	505	330	3.255	27.53
2488.15.09500.200	200	555	355	3.654	29.12
2488.15.09500.250	250	655	405	4.45	32.3
2488.15.09500.300	300	755	455	5.246	35.47

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!