

Gas spring HEAVY DUTY

Note:

Initial spring force at 150 bar = 6630 daN

Order No for spare parts kit: 2488.15.06600

Gas spring without valve

Order No (example): 2488.15.06600..P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

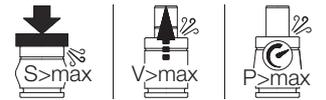
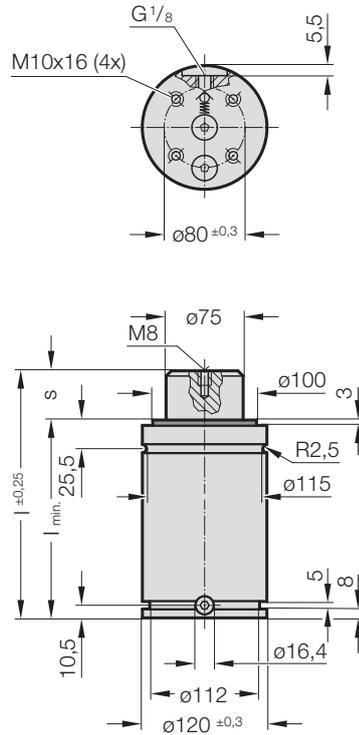
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 15 - 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

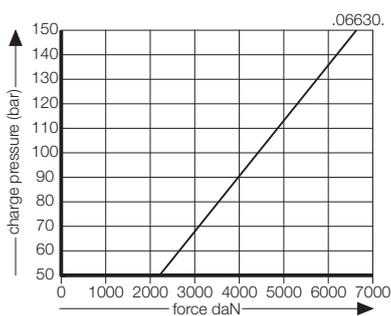
2488.15.06600.



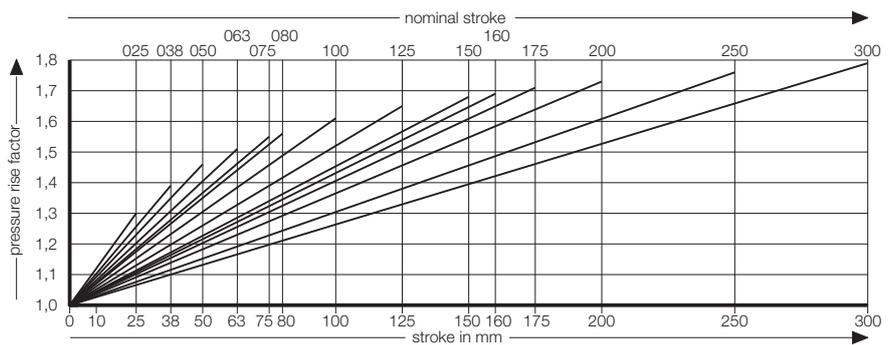
2488.15.06600. Gas spring HEAVY DUTY

Order No	s (Stroke max.)	l	l _{min.}	Gas volume [l]	Weight [kg]
2488.15.06600.025	25	190	165	0.551	10.35
2488.15.06600.038	38	216	178	0.688	10.89
2488.15.06600.050	50	240	190	0.815	11.37
2488.15.06600.063	63	266	203	0.951	11.93
2488.15.06600.075	75	290	215	1.078	12.39
2488.15.06600.080	80	300	220	1.13	12.6
2488.15.06600.100	100	340	240	1.341	13.3
2488.15.06600.125	125	390	265	1.604	14.33
2488.15.06600.150	150	440	290	1.867	15.35
2488.15.06600.160	160	460	300	1.972	15.75
2488.15.06600.175	175	490	315	2.13	16.36
2488.15.06600.200	200	540	340	2.393	17.38
2488.15.06600.250	250	640	390	2.92	19.42
2488.15.06600.300	300	740	440	3.432	21.57

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!