

Gas spring, Standard

Note:

Initial spring force at 150 bar = 10600 daN

Order No for spare parts kit: 2480.15.10000
(Stroke length 25 not repairable)

Gas spring without valve

Order No (example): 2480.15.10000. .P

1) Special stroke lengths

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

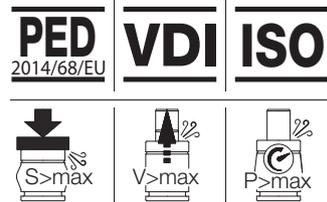
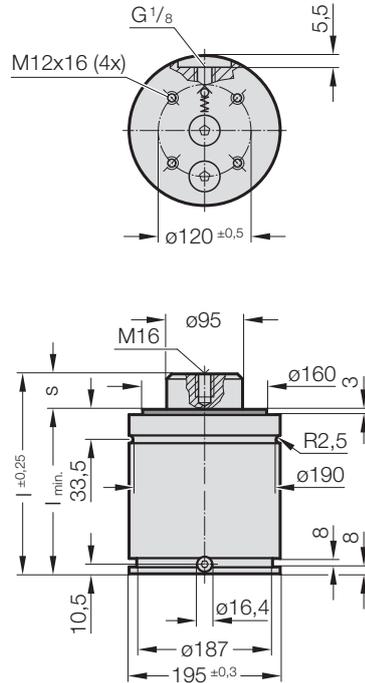
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 15 - 50 (at 20°C)

Max. piston rod speed: 1.8 m/s

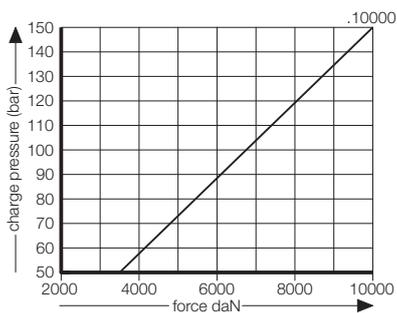
2480.15.10000.



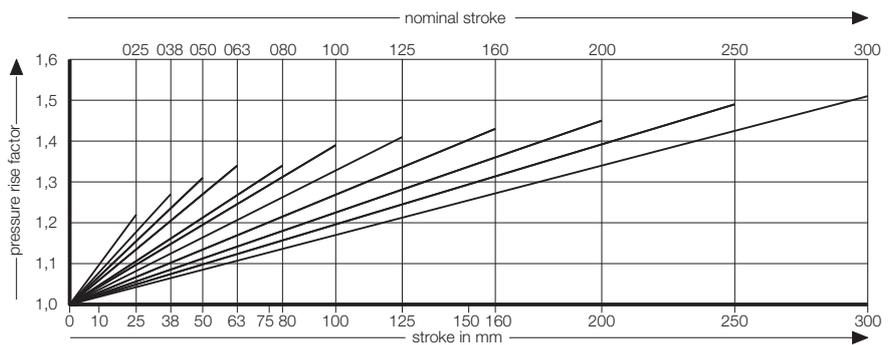
2480.15.10000. Gas spring, Standard

Order No	S (Stroke _{max.})	l	l _{min.}	Gas volume [l]	Weight [kg]
2480.15.10000.025	25	210	185	1.174	33.73
2480.15.10000.038	38	236	198	1.482	35.08
2480.15.10000.050	50	260	210	1.767	36.32
2480.15.10000.063	63.5	287	223.5	2.087	37.72
2480.15.10000.080	80	320	240	2.478	39.44
2480.15.10000.100	100	360	260	2.952	41.51
2480.15.10000.125	125	410	285	3.545	44.11
2480.15.10000.160	160	480	320	4.374	47.74
2480.15.10000.200	200	560	360	5.288	52.17
2480.15.10000.250	250	660	410	6.281	58.87
2480.15.10000.300	300	760	460	7.273	65.57

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!