

# Gas spring HEAVY DUTY

## Note:

Initial spring force at 150 bar = 2385 daN

Order No for spare parts kit: 2488.15.02400

Gas spring without valve

Order No (example): 2488.15.02400..P

Pressure medium: Nitrogen N<sub>2</sub>

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

Working temperature: 0°C to +80°C

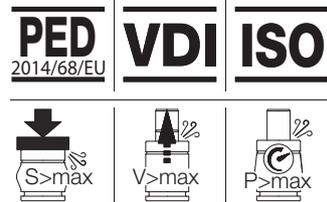
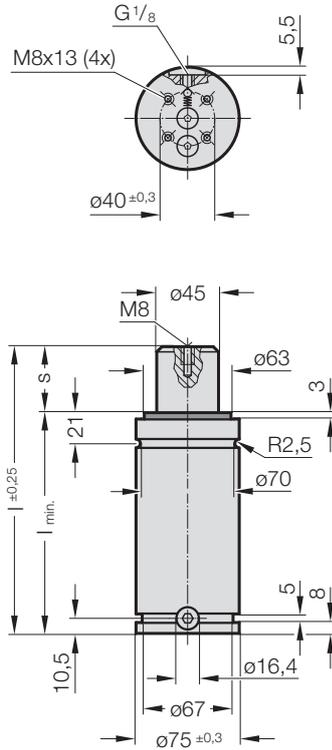
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 15 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

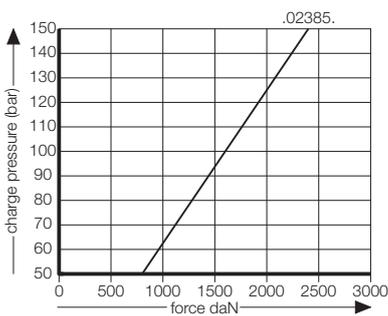
## 2488.15.02400.



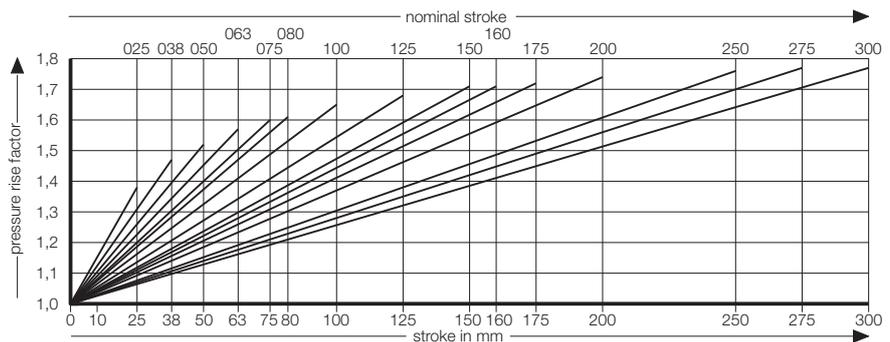
## 2488.15.02400. Gas spring HEAVY DUTY

Order No	s (Stroke <sub>max.</sub> )	l	l <sub>min.</sub>	Gas volume [l]	Weight [kg]
2488.15.02400.025	25	160	135	0.169	3.34
2488.15.02400.038	38	186	148	0.22	3.55
2488.15.02400.050	50	210	160	0.267	3.75
2488.15.02400.063	63	236	173	0.318	3.96
2488.15.02400.075	75	260	185	0.366	4.15
2488.15.02400.080	80	270	190	0.385	4.23
2488.15.02400.100	100	310	210	0.464	4.51
2488.15.02400.125	125	360	235	0.562	4.91
2488.15.02400.150	150	410	260	0.66	5.32
2488.15.02400.160	160	430	270	0.699	5.49
2488.15.02400.175	175	460	285	0.758	5.73
2488.15.02400.200	200	510	310	0.856	6.14
2488.15.02400.250	250	610	360	1.053	6.85
2488.15.02400.275	275	660	385	1.151	7.36
2488.15.02400.300	300	710	410	1.249	7.77

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!