

Gas spring HEAVY DUTY

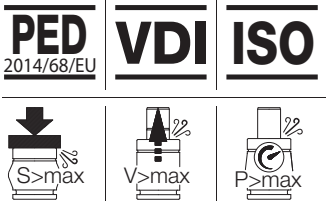
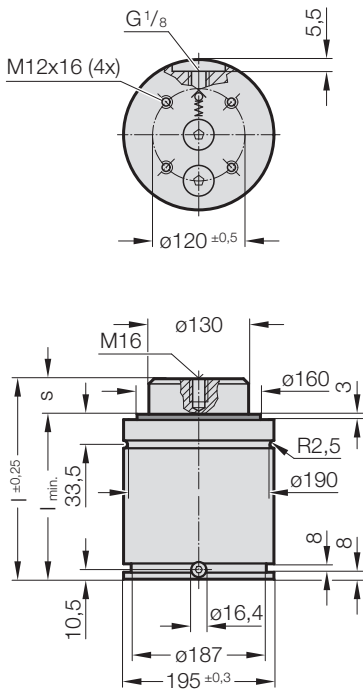
Note:
Initial spring force at 150 bar = 19910 daN

Order No for spare parts kit: 2488.15.20000
(Stroke length 25 not repairable)

Gas spring without valve
Order No (example): 2488.15.20000. .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. 10 - 70 (at 20°C)
Max. piston rod speed: 1.8 m/s

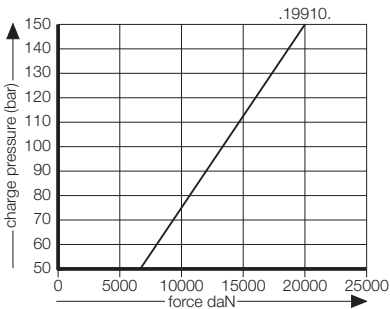
2488.15.20000.



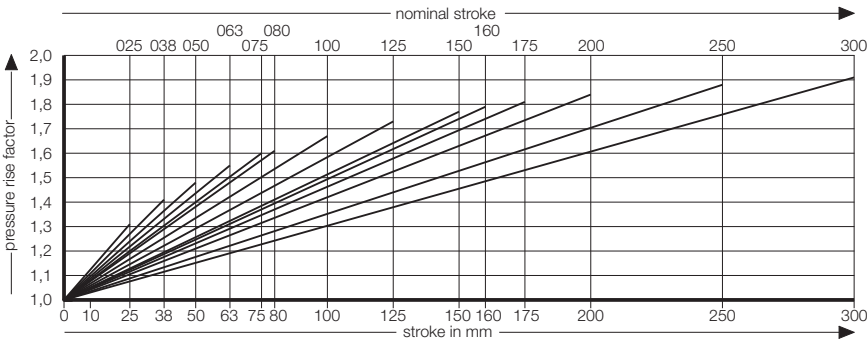
2488.15.20000. Gas spring HEAVY DUTY

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2488.15.20000.025	25	185	210	1.64	30.74
2488.15.20000.038	38	198	236	2.011	32.26
2488.15.20000.050	50	210	260	2.353	33.64
2488.15.20000.063	63	223	286	2.24	35.13
2488.15.20000.075	75	235	310	3.086	36.5
2488.15.20000.080	80	240	320	3.209	37.08
2488.15.20000.100	100	260	360	3.779	39.37
2488.15.20000.125	125	285	410	4.492	42.23
2488.15.20000.150	150	310	460	5.205	45.1
2488.15.20000.160	160	320	480	5.49	46.25
2488.15.20000.175	175	335	510	5.918	47.97
2488.15.20000.200	200	360	560	6.63	50.83
2488.15.20000.250	250	410	660	8.056	56.56
2488.15.20000.300	300	460	760	9.482	62.29

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!