

# Gas spring POWERLINE

## Note:

Initial spring force at 150 bar = 19910 daN

Order No for spare parts kit: 2487.15.20000  
(Stroke length 19 and 25 not repairable)

Gas spring without valve

Order No (example): 2487.15.20000. .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

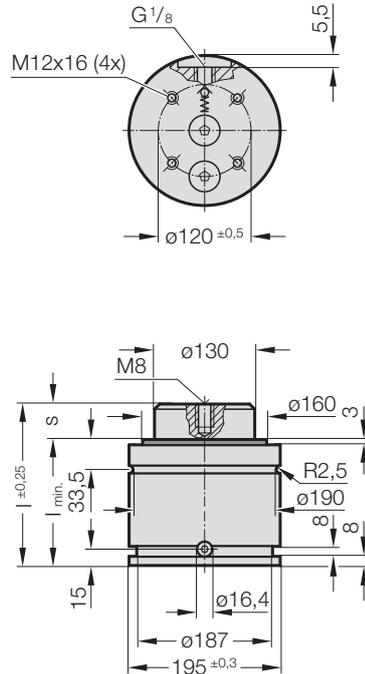
Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:

approx. 20 to 80 (at 20°C)

Max. piston rod speed: 1.8 m/s

2487.15.20000.



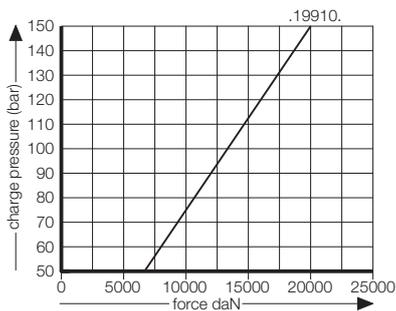
**PED**  
2014/68/EU



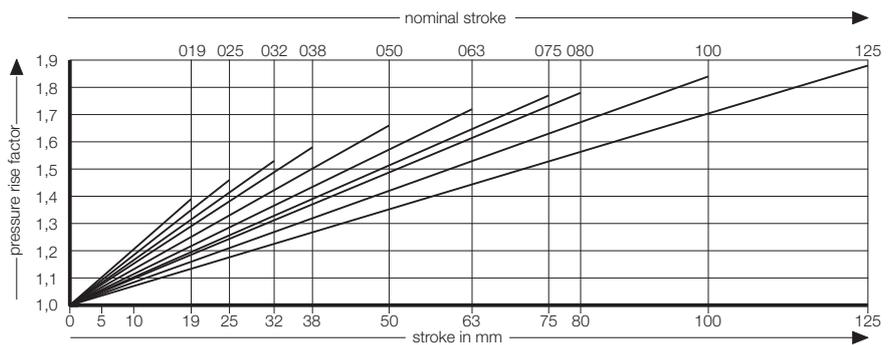
## 2487.15.20000. Gas spring POWERLINE

Order No	s (Stroke <sub>max</sub> )	l <sub>min.</sub>	l	Gas volume [l]	Weight [kg]
2487.15.20000.019	19	129	148	1.047	21.58
2487.15.20000.025	25	135	160	1.215	22.29
2487.15.20000.032	32	142	174	1.411	23.12
2487.15.20000.038	38	148	186	1.58	23.84
2487.15.20000.050	50	160	210	1.916	25.26
2487.15.20000.063	63	173	236	2.28	26.8
2487.15.20000.075	75	185	260	2.617	28.22
2487.15.20000.080	80	190	270	2.757	28.81
2487.15.20000.100	100	210	310	3.317	31.19
2487.15.20000.125	125	235	360	4.018	34.16

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!