

Gas spring POWERLINE

Note:

Initial spring force at 150 bar = 4240 daN

Order No for spare parts kit: 2487.15.04200
(Stroke length 16 and 19 not repairable)

Gas spring without valve

Order No (example): 2487.15.04200. .P

Pressure medium: Nitrogen N₂

Max. filling pressure: 150 bar

Min. filling pressure: 20 bar

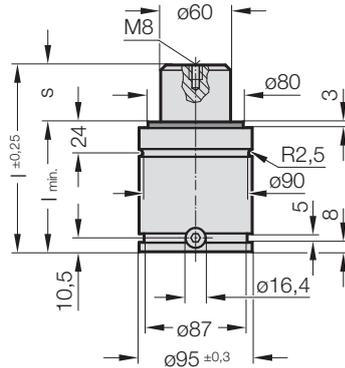
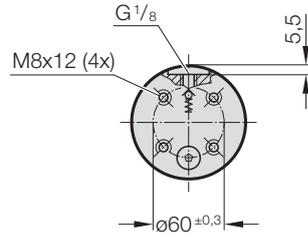
Working temperature: 0°C to +80°C

Temperature related force increase: ± 0.3%/°C

Max. recommended extensions per minute:
approx. 20 to 100 (at 20°C)

Max. piston rod speed: 1.8 m/s

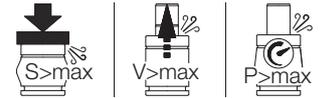
2487.15.04200.



PED
2014/68/EU

VDI

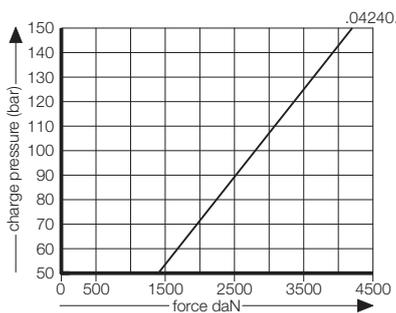
ISO



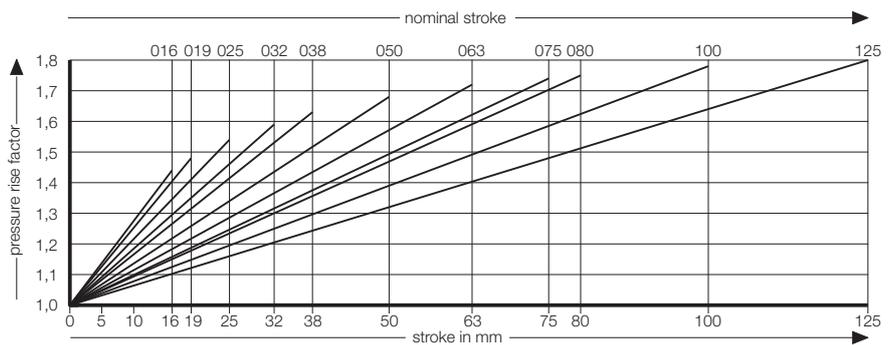
2487.15.04200. Gas spring POWERLINE

Order No	s (Stroke _{max.})	l _{min.}	l	Gas volume [l]	Weight [kg]
2487.15.04200.016	16	74	90	0.172	2.76
2487.15.04200.019	19	77	96	0.192	2.84
2487.15.04200.025	25	83	108	0.232	2.99
2487.15.04200.032	32	90	122	0.279	3.16
2487.15.04200.038	38	96	134	0.32	3.31
2487.15.04200.050	50	108	158	0.401	3.61
2487.15.04200.063	63	121	184	0.488	3.94
2487.15.04200.075	75	133	208	0.569	4.24
2487.15.04200.080	80	138	218	0.603	4.36
2487.15.04200.100	100	158	258	0.738	4.86
2487.15.04200.125	125	183	308	0.906	5.48

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!