

LCF GAS SPRING, DAMPED

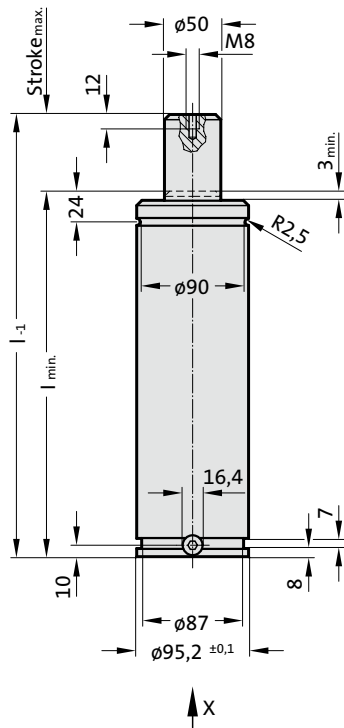
Note:
Initial spring force F_{lcf} at 150 bar =1600 daN
Full spring force after 3.8 mm damped spring travel

Order No for spare parts kit: 2484.13.03000

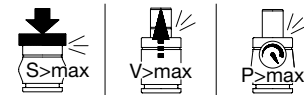
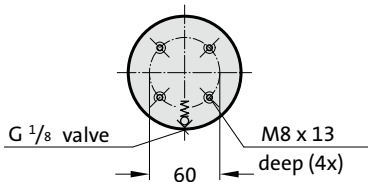
Gas spring without valve
Order No (example): 2484.13.03000. .P

Pressure medium: Nitrogen N_2
Max. filling pressure: 150 bar
Min. filling pressure: 68 bar
Working temperature: 0°C to +80°C
Temperature related force increase: $\pm 0.3\%/^{\circ}C$
Max. recommended extensions per minute:
approx. 15 to 40 (at 20°C)
Max. piston speed: 1.6 m/s

2484.13.03000.



View X - Gas spring

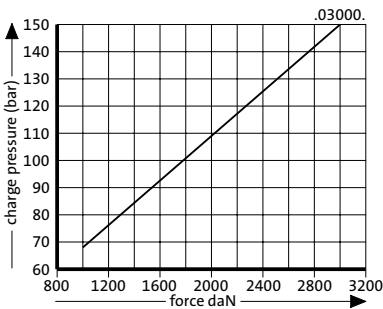


2484.13.03000.

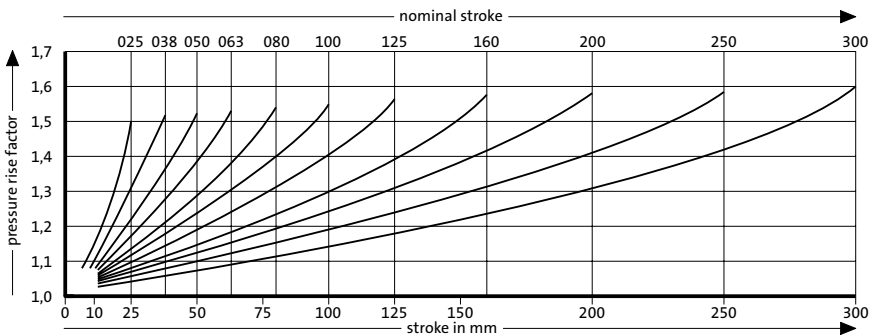
LCF Gas Spring, damped

Order No	Stroke _{max.} (s)	l_{min}	l
2484.13.03000.025	25	145	170
2484.13.03000.038	38.1	158.1	196.2
2484.13.03000.050	50	170	220
2484.13.03000.063	63.5	183.5	247
2484.13.03000.080	80	200	280
2484.13.03000.100	100	220	320
2484.13.03000.125	125	245	370
2484.13.03000.160	160	280	440
2484.13.03000.200	200	320	520
2484.13.03000.250	250	370	620
2484.13.03000.300	300	420	720

Initial spring force
versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!