

LCF GAS SPRING, DAMPED

Note:

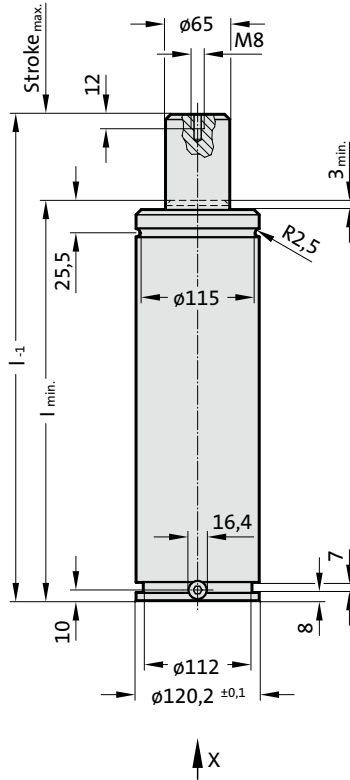
Initial spring force F_{ref} at 150 bar = 2500 daN
 Full spring force after 7.7 mm damped spring travel

Order No for spare parts kit: 2484.13.05000

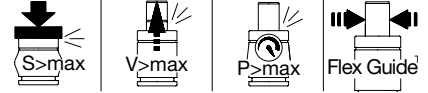
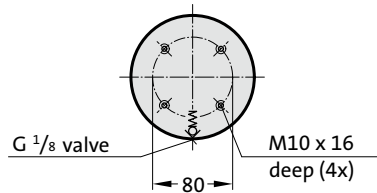
Gas spring without valve
 Order No (example): 2484.13.05000. .P

Pressure medium: Nitrogen N_2
 Max. filling pressure: 150 bar
 Min. filling pressure: 75 bar
 Working temperature: 0°C to +80°C
 Temperature related force increase: $\pm 0.3\%/^{\circ}\text{C}$
 Max. recommended extensions per minute:
 approx. 15 to 40 (at 20°C)
 Max. piston speed: 1.6 m/s

2484.13.05000.



View X - Gas spring

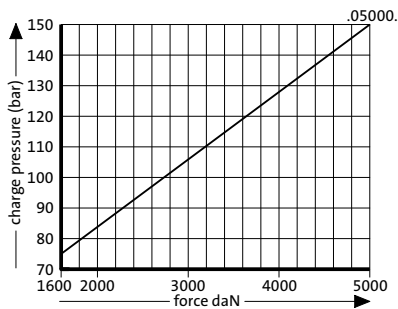


2484.13.05000.

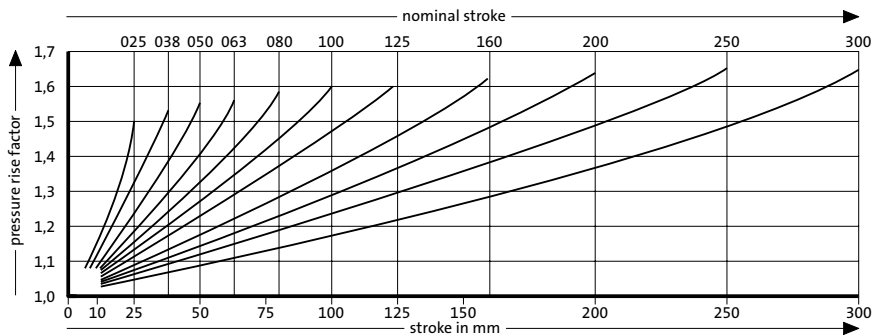
LCF Gas Spring, damped

Order No	Stroke _{max.} (s)	l _{min.}	l
2484.13.05000.025	25	165	190
2484.13.05000.038	38.1	178.1	216.2
2484.13.05000.050	50	190	240
2484.13.05000.063	63.5	203.5	267
2484.13.05000.080	80	220	300
2484.13.05000.100	100	240	340
2484.13.05000.125	125	265	390
2484.13.05000.160	160	300	460
2484.13.05000.200	200	340	540
2484.13.05000.250	250	390	640
2484.13.05000.300	300	440	740

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!