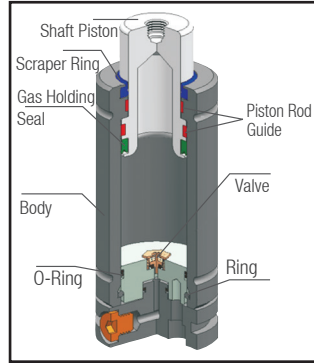


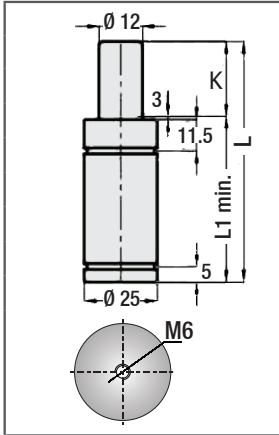
GC Series, Gas Spring - Super Pressure

Compact super pressure gas springs: The series which has piston sealing for maximum force has the highest forces, high pressure but shorter lifetime. It can be connected in series to the hoses. Wide connection range and accessories for all kinds of applications. When filling / charging the gas spring, the maximum pressure level recommended for each model should not be exceeded (150 bar). This standard series connection is recommended when supply tanks are used. In gas spring selection, a spring over the criteria must be selected. The usage criteria should be adjusted by assuming that the processed sheet metal quality may change.

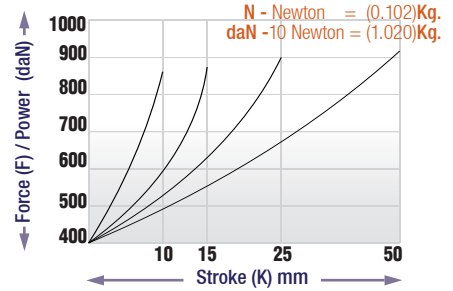
Max. Pressure: **150 Bar** - Max. Speed : **0.5 m/s** - Max. Temp. : **0-80°C**



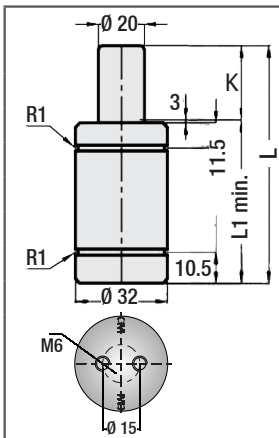
GC Series, Gas Spring - Super Pressure



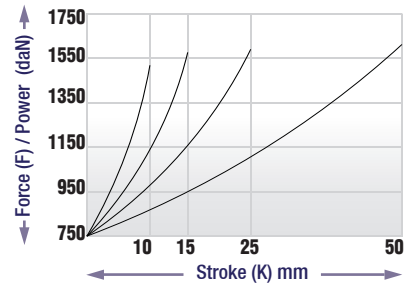
Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
GC.420.06	6 mm	50	56	420 Kg.	840 Kg.	0.14
GC.420.10	10 mm	60	70			0.16
GC.420.16	16 mm	75	91			0.19
GC.420.25	25 mm	95	120			0.23
GC.420.32	32 mm	108	140			0.25
GC.420.40	40 mm	125	165			0.28
GC.420.50	50 mm	145	195	0.32		



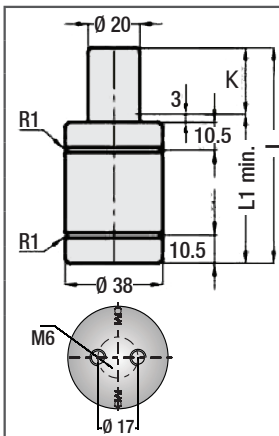
Pressure Increase: During operation, the piston of the gas spring inserts into the body and the volume of the gas inside gradually decreases. As a result, the pressure increase can be seen as the multiplication factor in the gas spring diagram. The spring force can be easily calculated by multiplying the initial force and the pressure increase factor.



Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
GC.750.06	6 mm	57	63	750 Kg.	1200 Kg.	0.23
GC.750.10	10 mm	65	75			0.25
GC.750.16	16 mm	77	93			0.28
GC.750.25	25 mm	95	120			0.33
GC.750.32	32 mm	108	140			0.37
GC.750.40	40 mm	125	165			0.42
GC.750.50	50 mm	145	195	0.47		



Adjusting filling pressure: It can be adjusted according to the spring force and determined by using spring diagram in advance. Spring forces according to spring diagram: The stroke increase / spring force replacement, pressure increase factor and replacements are considered, however you should take into consideration external effects. Lateral loads should not be applied on gas springs. When press goes down, the lateral forces and the vibrations from the die should be checked.



Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
GC.1000.06	6 mm	55	61	1000 Kg.	1450 Kg.	0.33
GC.1000.10	10 mm	68	78			0.38
GC.1000.16	16 mm	84	100			0.44
GC.1000.25	25 mm	110	135			0.53
GC.1000.32	32 mm	135	167			0.62
GC.1000.40	40 mm	155	195			0.70
GC.1000.50	50 mm	180	230	0.79		

