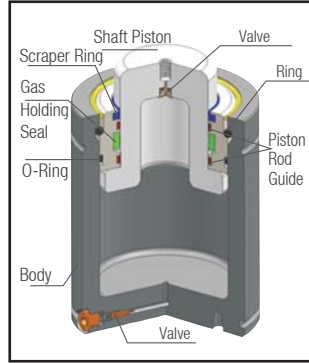


### MG Series, Gas Spring - High Stroke Rates

High force - strong gas spring cylinders provide die cost reduction, wide stroke / stroke option adjustments with optimum bearing and the highest increased spring forces. Wide range of connections 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 : **1.6 m/s** - Max. Temp. : **0-800C**



## MG Series, Gas Spring - High Stroke Rates

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.170.07	7	37	44			0.06
MG.170.10	10	40	50			0.06
MG.170.15	15	45	60			0.07
MG.170.19	19	49	68			0.07
MG.170.25	25	55	80			0.08
MG.170.38	38	68	106			0.09
MG.170.50	50	80	130			0.10
MG.170.63	63	93	156			0.12
MG.170.75	75	110	185			0.14
MG.170.80	80	115	195			0.14
MG.170.100	100	135	235			0.17
MG.170.125	125	160	285			0.19

**Bottom mount**  
M6

**Mounting at the housing**  
Ø +1.0  
+0.5

Code: BTA 25  
Code: BTB 25

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.320.07	7	37	44			0.10
MG.320.10	10	40	50			0.10
MG.320.15	15	45	60			0.11
MG.320.19	19	49	68			0.12
MG.320.25	25	55	80			0.13
MG.320.32	32	62	94			0.14
MG.320.38	38	68	106			0.15
MG.320.50	50	80	130			0.17
MG.320.63	63	93	156			0.19
MG.320.75	75	110	185			0.22
MG.320.80	80	115	195			0.23
MG.320.100	100	135	235			0.26
MG.320.125	125	160	285			0.30

Prefer for square flange fixing elements, non-rotating and gas springs are connected in series. If there is vibration during operation, retighten the screws meticulously.

**Bottom mount**  
M6

**Code: BY 32**  
**Code: BY 32 - B**

**Code: BD 32**

**Code: BT 32**

**Code: BK 32**

**All Die Gas Spring Cylinders:** They are designed with a stroke reserve between 1 to 3 mm. Thus, the nominal value (stroke) can be totally implemented. However, it is recommended not to exceed 90% of the stroke value in order to avoid an extra stroke risk caused by the changes or errors in the system. Otherwise, it may cause irreparable damages to the cylinders and serious dangers for the personnel.

# MG Series, Gas Spring - High Stroke Rates

As per request

Series connection

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.500.10	10 mm	40	50	500 Kg.	770 Kg.	0.24
MG.500.13	13 mm	43	56			0.25
MG.500.16	16 mm	46	62			0.26
MG.500.19	19 mm	49	68			0.28
MG.500.25	25 mm	55	80			0.31
MG.500.32	32 mm	62	94			0.34
MG.500.38	38 mm	68	106			0.37
MG.500.50	50 mm	80	130			0.42
MG.500.63	63 mm	93	156			0.48
MG.500.75	75 mm	105	180			0.54
MG.500.80	80 mm	110	190			0.56
MG.500.100	100 mm	130	230			0.66
MG.500.125	125 mm	155	280			0.77

As per request

Series connection

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.750.10	10 mm	42	52	750 Kg.	1200 Kg.	0.36
MG.750.13	13 mm	45	58			0.38
MG.750.16	16 mm	48	64			0.39
MG.750.19	19 mm	51	70			0.41
MG.750.25	25 mm	57	82			0.45
MG.750.32	32 mm	64	96			0.50
MG.750.38	38 mm	70	108			0.54
MG.750.50	50 mm	82	132			0.61
MG.750.63	63 mm	95	158			0.70
MG.750.75	75 mm	107	182			0.77
MG.750.80	80 mm	112	192			0.81
MG.750.100	100 mm	132	232			0.93
MG.750.125	125 mm	157	282			1.10

As per request

Series connection

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.1000.13	13 mm	51	64	1000 Kg.	1550 Kg.	0.51
MG.1000.16	16 mm	54	70			0.54
MG.1000.19	19 mm	57	76			0.56
MG.1000.25	25 mm	63	88			0.61
MG.1000.32	32 mm	70	102			0.67
MG.1000.38	38 mm	76	114			0.71
MG.1000.50	50 mm	88	138			0.81
MG.1000.63	63 mm	101	164			0.91
MG.1000.75	75 mm	113	188			1.05
MG.1000.80	80 mm	118	198			1.09
MG.1000.100	100 mm	138	238			1.21
MG.1000.125	125 mm	163	288			1.41

As per request

Series connection

Order Model	Stroke (K) mm	L1 min.	L Length	Force		Weight Kg.
				Initial	Final	
MG.1500.13	13 mm	57	70	1500 Kg.	2400 Kg.	0.92
MG.1500.16	16 mm	60	76			0.96
MG.1500.19	19 mm	63	82			0.99
MG.1500.25	25 mm	69	94			1.06
MG.1500.32	32 mm	76	108			1.14
MG.1500.38	38 mm	82	120			1.21
MG.1500.50	50 mm	94	144			1.35
MG.1500.63	63 mm	107	170			1.51
MG.1500.75	75 mm	119	194			1.65
MG.1500.80	80 mm	124	204			1.71
MG.1500.100	100 mm	144	244			1.94
MG.1500.125	125 mm	169	294			2.23