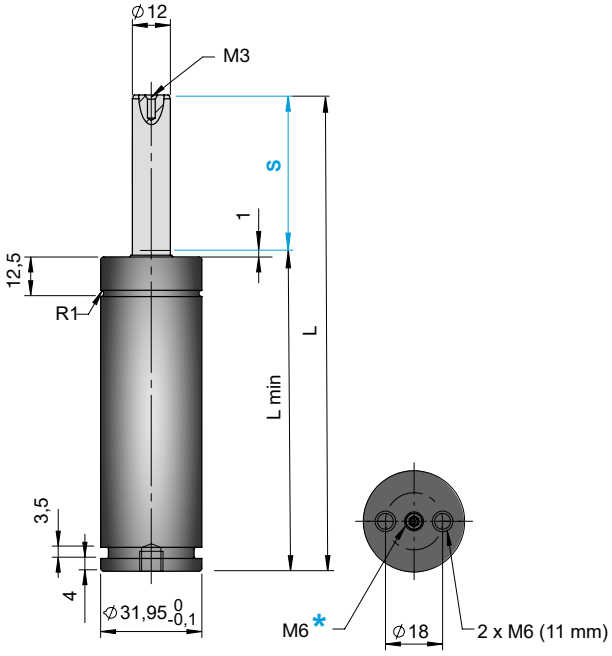


MC3

Gas spring

Type 1
Type 2
Type 3
Type 4
Type 5 (individual)



Norm: ISO 11901-1
VDI 3003
39D878
B2 4005

T: < 80 °C

S = stroke
** Charge port*

S	Type	L ± 0.25	L min	bar	F1 [daN]	F2 [daN]	m [kg]	V [L]	Order No.
10	1	70	60	45	50	77	0.30	0.005	MC3-10-1
10	2	70	60	90	100	153	0.30	0.005	MC3-10-2
10	3	70	60	135	150	230	0.30	0.005	MC3-10-3
10	4	70	60	180	200	306	0.30	0.005	MC3-10-4
10	5	70	60	180	-	306	0.30	0.005	MC3-10-5
12.7	1	75.4	62.7	45	50	77	0.31	0.006	MC3-12.7-1
12.7	2	75.4	62.7	90	100	153	0.31	0.006	MC3-12.7-2
12.7	3	75.4	62.7	135	150	230	0.31	0.006	MC3-12.7-3
12.7	4	75.4	62.7	180	200	307	0.31	0.006	MC3-12.7-4
12.7	5	75.4	62.7	180	-	307	0.31	0.006	MC3-12.7-5
16	1	82	66	45	50	77	0.33	0.007	MC3-16-1
16	2	82	66	90	100	154	0.33	0.007	MC3-16-2
16	3	82	66	135	150	231	0.33	0.007	MC3-16-3
16	4	82	66	180	200	307	0.33	0.007	MC3-16-4
16	5	82	66	180	-	307	0.33	0.007	MC3-16-5
25	1	100	75	45	50	77	0.38	0.010	MC3-25-1
25	2	100	75	90	100	154	0.38	0.010	MC3-25-2
25	3	100	75	135	150	231	0.38	0.010	MC3-25-3
25	4	100	75	180	200	308	0.38	0.010	MC3-25-4
25	5	100	75	180	-	308	0.38	0.010	MC3-25-5
38.1	1	126.2	88.1	45	50	77	0.43	0.015	MC3-38.1-1
38.1	2	126.2	88.1	90	100	154	0.43	0.015	MC3-38.1-2
38.1	3	126.2	88.1	135	150	232	0.43	0.015	MC3-38.1-3
38.1	4	126.2	88.1	180	200	309	0.43	0.015	MC3-38.1-4
38.1	5	126.2	88.1	180	-	309	0.43	0.015	MC3-38.1-5
50	1	150	100	45	50	77	0.48	0.019	MC3-50-1
50	2	150	100	90	100	154	0.48	0.019	MC3-50-2
50	3	150	100	135	150	232	0.48	0.019	MC3-50-3
50	4	150	100	180	200	309	0.48	0.019	MC3-50-4
50	5	150	100	180	-	309	0.48	0.019	MC3-50-5
63.5	1	177	113.5	45	50	76	0.54	0.024	MC3-63.5-1

D 3002B 03.2025

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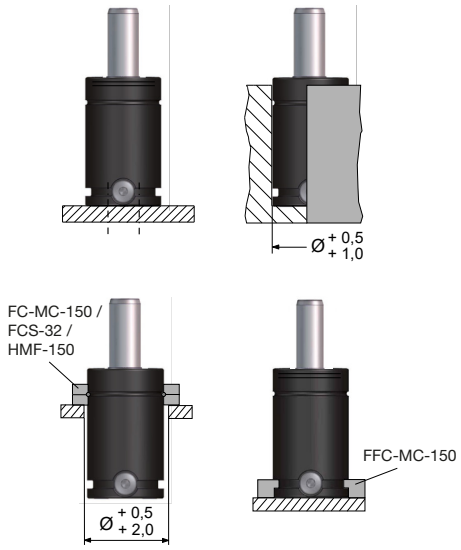


MC3

Gas spring

S	Type	L ± 0.25	L min	bar	F1 [daN]	F2 [daN]	m [kg]	V [L]	Order No.
63.5	2	177	113.5	90	100	152	0.54	0.024	MC3-63.5-2
63.5	3	177	113.5	135	150	227	0.54	0.024	MC3-63.5-3
63.5	4	177	113.5	180	200	302	0.54	0.024	MC3-63.5-4
63.5	5	177	113.5	180	-	302	0.54	0.024	MC3-63.5-5
80	1	210	130	45	50	76	0.62	0.029	MC3-80-1
80	2	210	130	90	100	152	0.62	0.029	MC3-80-2
80	3	210	130	135	150	228	0.62	0.029	MC3-80-3
80	4	210	130	180	200	304	0.62	0.029	MC3-80-4
80	5	210	130	180	-	304	0.62	0.029	MC3-80-5
100	1	250	150	45	50	76	0.71	0.036	MC3-100-1
100	2	250	150	90	100	152	0.71	0.036	MC3-100-2
100	3	250	150	135	150	229	0.71	0.036	MC3-100-3
100	4	250	150	180	200	305	0.71	0.036	MC3-100-4
100	5	250	150	180	-	305	0.71	0.036	MC3-100-5
125	1	300	175	45	50	76	0.83	0.044	MC3-125-1
125	2	300	175	90	100	153	0.83	0.044	MC3-125-2
125	3	300	175	135	150	229	0.83	0.044	MC3-125-3
125	4	300	175	180	200	306	0.83	0.044	MC3-125-4
125	5	300	175	180	-	306	0.83	0.044	MC3-125-5

INSTALLATION VARIANTS



Technical information	
Pressure medium	N_2
Max. filling pressure (at 20 °C)	180 bar
Min. filling pressure (at 20 °C)	25 bar
Operating temperature	0 °C - 80 °C
Force increase by temperature	0,3 % / 1 °C
Max. piston rod velocity	1,6 m/s
Recommended max strokes / min (at 20° C)	~ 80 - 100
Repair kit	3016385