

## CYCLE TIME OF METO-FER AUTOMATION COMPONENTS

Type	Stroke (mm)	Moved Mass (kg)	Air Pressure (bar)	Time Forward	Time Backward
ML 13- 25	25	0	5	0.0397	0.0476
ML 13- 50	50	0	5	0.0614	0.0838
ML 13- 75	75	0	5	0.0858	0.0973
ML 13-100	100	0	5	0.1162	0.1296
ML 26- 25	25	0	5	0.0490	0.0651
ML 26- 50	50	0	5	0.0931	0.0951
ML 26- 75	75	0	5	0.1037	0.1075
ML 26-100	100	0	5	0.1460	0.1718
ML 26-125	125	0	5	0.2111	0.2270
ML 26-150	150	0	5	0.2307	0.2849
ML 26-200	200	0	5	0.2657	0.3652
ML 33- 25	25	0	5	0.0805	0.0878
ML 33- 50	50	0	5	0.1293	0.1345
ML 33- 75	75	0	5	0.1874	0.2252
ML 33-100	100	0	5	0.2056	0.2870
ML 33-125	125	0	5	0.3247	0.3530
ML 33-150	150	0	5	0.3380	0.3737
ML 33-175	175	0	5	0.4095	0.4180
ML 33-200	200	0	5	0.5036	0.5734
ML 33-250	250	0	5	0.5698	0.5986
ML 33-300	300	0	5	0.7288	0.7756
ML 33-350	350	0	5	0.8639	0.9284
ML 33-400	400	0	5	0.9750	1.1460

<b>Type</b>	<b>Rotation Angle (Degrees)</b>	<b>Axel Distance (mm)</b>	<b>Moved Mass (kg)</b>	<b>Air Pressure (Bar)</b>	<b>Time (Sec.)</b>
MD 20/180	180	75	0.5	5	0.40
MD 20/180	180	75	0.5	6	0.30
MD 32/180	180	75	0.5	5	0.30
MD 32/180	180	75	0.5	6	0.25
MD 51/180	180	250	0.5	6	1.70

<b>Type</b>	<b>Swing Angle (Degrees)</b>	<b>Moment of Interta</b>	<b>Air Pressure (Bar)</b>	<b>Time (Sec.)</b>
MD 51/180	120	27 kgm 2	5	0.60
MD 51/180	120	27 kgm 2	5	0.85

<b>Type</b>	<b>Stroke (mm)</b>	<b>Moved Mass (kg)</b>	<b>Air Pressure (bar)</b>	<b>Time (sec.)</b>
LH 100	100	7.5	6	0.30
LH 150	150	7.5	6	0.40
LH 200	200	0	6	0.40
LH 300	300	0	6	0.50
LG 50/300	300	0	6	1.50
LG 50/400	400	0	6	2.00
HT 200	200	0	6	0.75 up
HT 200	200	0	6	0.70 down
HT 200	200	11.0	6	0.85 up
HT 200	200	11.0	6	0.65 down
NT 120	120	11.0	6	0.30