

FEATURES

Unit includes:

- closed loop geared or standard servo motor
- external servo amplifier and control
- Timing belt linear actuation mechanism
- Aluminum extrusion housing
- positioning table and slider mounting slots with nuts

Specifications

Mechanical Specifications

MODEL	ML-AA-BBBB-C8	ML-AA-BBBB-G20	ML-AA-BBBB-G20D
Stroke (mm)	100 ~ 5850	100 ~ 5850	100 ~ 5770
Stroke increment (mm)	100	100	100
Max. Load weight (kg)	40	360	720
Load moment (Nm)	Mp=5+, My=7, Mr=6	Mp=180, My=180, Mr=220	Mp=600, My=600, Mr=440
Actuator weight (kg)	3.9 + 0.35 / 100mm	3.6 + 0.43 / 100mm	3.9 + 0.43 / 100mm
Belt Type	16AT10		
Pulley teeth/revolution	18		
Pulley Diameter (mm)	55.5		
Travel per revolution (mm)	180		
Servo amplifier weight (kg)	0.5		
Ordering Codes	AA = MOTOR CODE, BBBB = STROKE LENGTH (mm)		

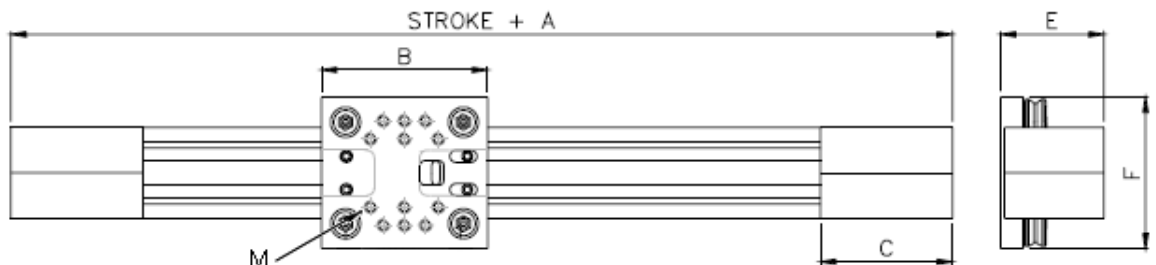
Performance Specifications

MOTOR CODES	G1	G2	G5	G10	G20	G50	G100
Max. Speed (mm/s) * Typ. Data	1744	872	2325	1162	581	232	116
Thrust @ 20% Max Speed (N)	46	92	45	91	172	430	859
Max. vertical load (kg)	5	9	5	9	17	43	86
Repeatability (mm)	0.1 mm	0.1 mm	0.1 mm	0.1 mm			
Backlash (mm)	~1.5 mm		0.15 mm	0.2 mm			

Available Options:

- Bore & mount for your motor/gearbox
- Transition plates for cartesian systems
- Bored idler for synchronizing shaft
- Cable management
- Other requirements? Just ask!

Dimensions



Model \ Dim	A	B	C	E	F	M
C8	295	110	87.5	71	100	M8
G20	335	150	87.5	70	60	M6
G20D	415	250	87.5	70	60	M6