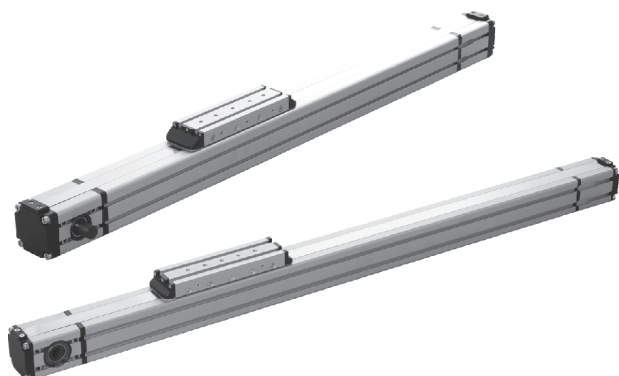


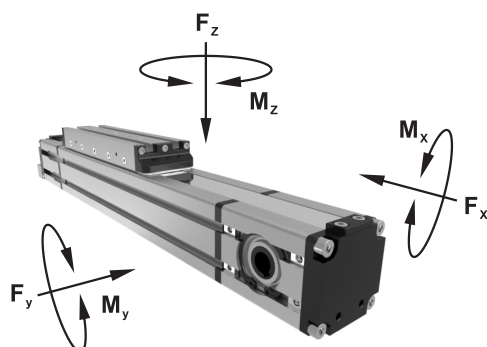


Max values for dynamic conditions.

Please refer to the following formula when combined loads are applied.

$$\frac{F_{y_A}}{F_y} + \frac{F_{z_A}}{F_z} + \frac{M_{x_A}}{M_x} + \frac{M_{y_A}}{M_y} + \frac{M_{z_A}}{M_z} \leq 1$$

※ The A letters show the calculated value.



Features

- Belt driven unit with railway integrated.
- Extruded aluminium anodized 6060 alloy, tempered stainless steel protection band.
- Carriage with sealed system to protect against pollution.

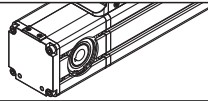
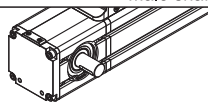
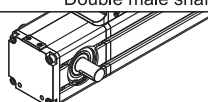
Specification

Model		METB		
Size	mm	42	55	80
Max. speed	m/s	3	3	3
Max. stroke length	mm	6000	6000	6000
Min. stroke length	mm	100	100	100
Pulley drive ratio	mm	90	120	160
Number of teeth of pulley	mm	18	24	32
Teeth belt with steel reinforced polyurethane ATL 5 profile clearance 0, width	mm	12	16	25
Max rpm	g/min	2000	1500	1150
Base weight	Kg	1.6	4.4	6
Add for 100 mm of stroke	Kg	0.25	0.37	0.9
Max.load*	Fx N	460	820	1650
	Fy N	1560	1850	4500
	Fz N	1560	1850	4500
Moments*	Mx Nm	20	25	80
	My Nm	55	120	450
	Mz Nm	55	120	450
Inertia moment Aluminum profile	Ix cm ⁴	11.8	36	183
	Iy cm ⁴	14.2	45	226
Repeatability	mm	±0.05	±0.05	±0.05
Max. radial load on input shaft	N	220	300	300
No load torque	Nm	>0.1	>0.5	0.9
Sensor switch (※)		RCI, RNI, RPI		

※ RCI, RNI, RPI specification, please refer to page V-10.

Order example

METB — 42 — 0100 — F08 L — EM2A

Model	Size (mm)	Stroke	Shaft versions	Male shaft	Accessory
METB Female shaft	42 42×42	100~6000 mm (four codes)	Size Type φ Part No.	L Left shaft	E End cap mounting
	55 55×55	※Minimum stroke unit 1mm.	42 Female shaft 8 F08	R Right shaft	M ^{※1} Mid section mounting
Male shaft	80 80×80		42 Male shaft 12 M12		A ^{※2} Limit switch adapters
			42 Double male shaft 12 D12		※ A type only for size 80.
Double male shaft			55 Female shaft 8 F08		※1 Number of accessory
			55 Male shaft 16 M16		Blank 1 set (2 pcs)
			55 Double male shaft 16 D16		2 2 set (4 pcs)
			80 Female shaft 19 F19		n "n" set (n×2 pcs)
			80 Male shaft 19 M19		※2 Number of accessory
			80 Double male shaft 19 D19		Blank 1 pcs
					2 2 pcs
					n "n" pcs