

FS-LO

Single-axis robot / Actuator width: 75mm / Guide module



Model Specification Items

Series	Type	Motor type	Stroke
FS	11LO: Single slider specification 12LO: Double slider specification	0: No motor	1000: 1000mm 3000: 3000mm (in 100mm increments)

Model Number/Specification

Model number	Encoder type	Motor output (W)	Slider	Stroke in 100mm increments (mm)	Speed (mm/s)	Payload (Note 1)		Rated thrust (N)
						Horizontal (kg)	Vertical (kg)	
FS-11LO-0- <u>10</u>	—	—	Single	1000~3000	—	—	—	—
FS-12LO-0- <u>10</u>			Double					

* In the above model numbers, 10 indicates the stroke.

Option

Name	Model number	Reference page	Notes

Common Specifications

Positioning repeatability	—
Drive method	—
Lost Motion	—
Allowable static load moment	Refer to P. FS-4 (Technical Reference)
Allowable dynamic load moment	Refer to P. FS-5 (Technical Reference)
Overhang load length	Refer to P. FS-5 (Technical Reference)
Base	Material: Aluminum, with white alumite treatment
Cable length	—
Ambient operating temperature/humidity	0 to 40°C, 85%RH max. (non-condensing)

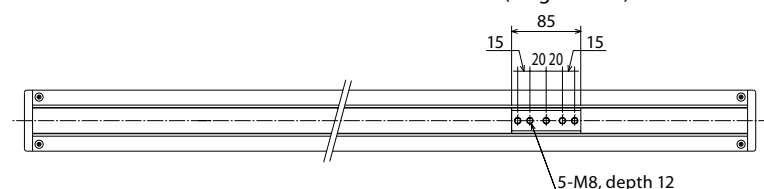
Diagram

CAD drawings are available for download from our website.

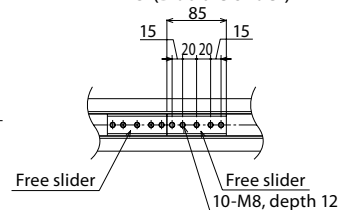
2D CAD

RoHS

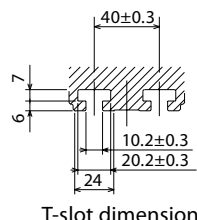
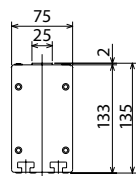
11LO (Single slider)



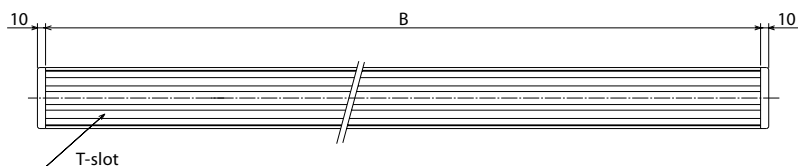
12LO (Double slider)



SE: Stroke End
ME: Mechanical End



T-slot dimension



FS-11LO-0

Stroke	1000	1500	2000	2500	3000
A	1403	1903	2403	2903	3403
B	1379	1879	2379	2879	3379
C	1000	1500	2000	2500	3000
D	1085	1585	2085	2585	3085
Mass (kg)	19	25	31	38	44
Payload (kg)	—				

FS-12LO-0

Stroke	1000	1500	2000	2500	3000
A	1503	2003	2503	3003	3503
B	1479	1979	2479	2979	3479
C	1015	1515	2015	2525	3025
D	1185	1685	2185	2685	3185
Mass (kg)	22	28	34	40	46
Payload (kg)	—				

* Refer to P. FS-6 for the actuator installation method.

* 1000~3000mm strokes are available in 100mm increments.
Dimensions A~D increase by 100mm for every 100mm stroke increment.

Applicable Controller Specifications

Applicable Controller	Maximum number of controlled axes	Connectable encoder type	Operating method	Power-supply voltage	Reference page
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—