

XYZ axis Steel Extended Contact Slide Stages

MLT35-25 Stage size □25mm



Catalog Code W7071

Application Systems

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X Axis

XY Axis

Z Axis

XZ Axis

XYZ Axis

Rotation

Goniometers /Tilt

Multiaxis

Linear Guide

□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others



Guide

- ▶ The part number suffix FP indicates products with fine-pitch screws instead of standard micrometers.
- ▶ Fine Pitch screws have a screw pitch of 0.25mm and require a hex wrench or the optional hex wrench with knob (NSC) for adjustment.

Reference H010



Attention

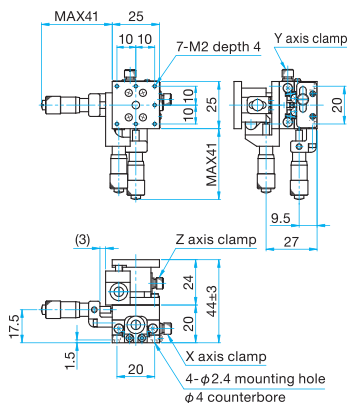
- ▶ The travel on the Y axis micrometer head side of the MLT35-25C (CFP) may become less than 3mm. (Refer to (3), the dimensions in parentheses in the outline drawing)



Outline Drawing

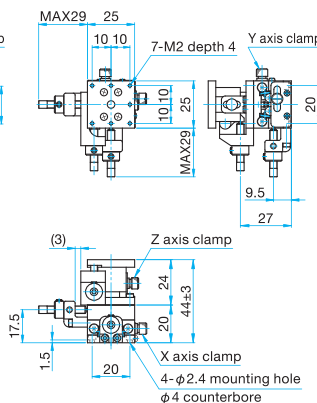
MLT35-25C

- Hexagonal socket head cap screw M2x4...4 screws



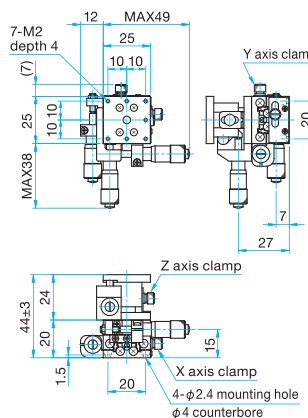
MLT35-25CFP

- Hexagonal socket head cap screw M2x4...4 screws
- 2mm



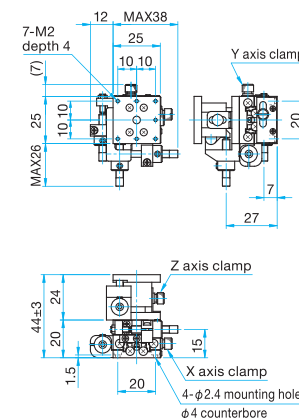
MLT35-25S

- Hexagonal socket head cap screw M2x4...4 screws



MLT35-25SFP

- Hexagonal socket head cap screw M2x4...4 screws
- 2mm



SPEC UP

Specifications

Table Size [mm]	25×25		
Travel [mm]	XY axis ±3, Z axis ±3		
Positioning Slide	Extended contact ball guide		
Primary Material	Steel		
Finish	Super black chrome		
Travel Accuracy	Straightness [μm]	5	
Max. Moment Capacity	Pitch [N·m]	1	
	Roll [N·m]	1	
Moment Stiffness	Pitch ["/N·cm]	10.55	
	Roll ["/N·cm]	10.55	
Parallelism [μm]	130		

Part Number	NEW MLT35-25C	NEW MLT35-25CFP	MLT35-25S	MLT35-25SFP
Micrometer Position	Center	Center	Side	Side
Lead of Actuator [mm/rotation]	0.5	0.25	0.5	0.25
Micrometer Readable Resolution [mm]	0.01	—	0.01	—
Load Capacity [N]	29.4 (3.0kgf)	29.4 (3.0kgf)	29.4 (3.0kgf)	29.4 (3.0kgf)
Weight [kg]	0.2	0.2	0.2	0.2

Configuration

Part Number	MLT35-25C	MLT35-25CFP	MLT35-25S	MLT35-25SFP
Z axis	MLT33-25	MLT33-25FP	MLT33-25	MLT33-25FP
XY axis	MLT32-25C	MLT32-25CFP	MLT32-25S	MLT32-25SFP