



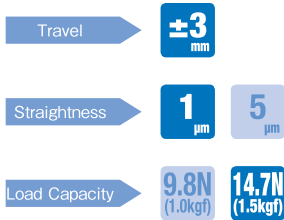
Z axis Steel Extended Contact Slide Stages (Vertical Mounting) | **MLT3-SZ** Stage size □25/□40/□60mm

RoHS

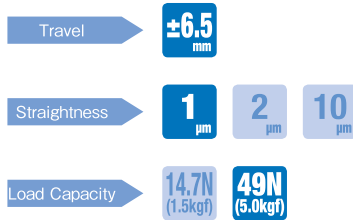
Z axis stages designed for mounting on a vertical surface with the micrometer head on the movable stage side and the micrometer stop on the bottom side of the stage.

- Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.

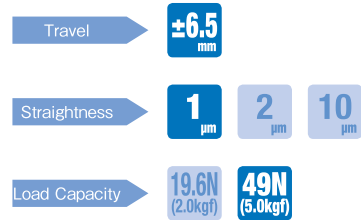
Stage □25mm



Stage □40mm



Stage □60mm



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**
- ▶ Products fitted with a long table are also available.
- WEB Reference** **Catalog Code** W7049



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X Axis

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Z Axis

XZ Axis

XYZ Axis

Rotation

Goniometers /Tilt

Multiaxis

Linear Guide

□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others

SPEC UP

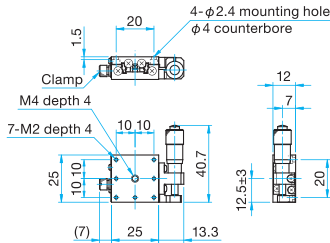
Specifications						
Part Number		MLT31-25SZ	MLT31-25SZFP	MLT31-40SZ	MLT31-40SZFP	MLT31-60SZ
Opposite Model		MLT31-25SRZ	—	MLT31-40SRZ	—	MLT31-60SRZ
Table Size [mm]		25×25	25×25	40×40	40×40	60×60
Travel [mm]		±3	±3	±6.5	±6.5	±6.5
Lead of Actuator [mm/rotation]		0.5	0.25	0.5	0.25	0.5
Micrometer Readable Resolution [mm]		0.01	—	0.01	—	0.01
Positioning Slide		Extended contact ball guide	Extended contact ball guide	Extended contact ball guide	Extended contact ball guide	Extended contact ball guide
Primary Material		Steel	Steel	Steel	Steel	Steel
Finish		Super black chrome	Super black chrome	Super black chrome	Super black chrome	Super black chrome
Load Capacity [N]		14.7 (1.5kgf)	14.7 (1.5kgf)	49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)
Travel Accuracy	Straightness [μm]	1	1	1	1	1
	Pitch [N·m]	2.2	2.2	5	5	8
	Roll [N·m]	2.1	2.1	5	5	8
Moment Stiffness		Pitch [°/N·cm]	1.63	1.63	0.31	0.31
Running Parallelism [μm]		10	10	10	10	10
Weight [kg]		0.07	0.07	0.2	0.2	0.5



Outline Drawing

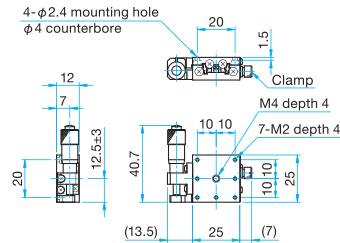
MLT31-25SZ

Hexagonal socket head cap screw M2x4...4 screws



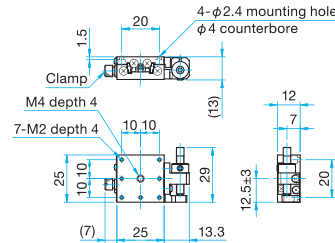
MLT31-25SRZ

Hexagonal socket head cap screw M2x4...4 screws



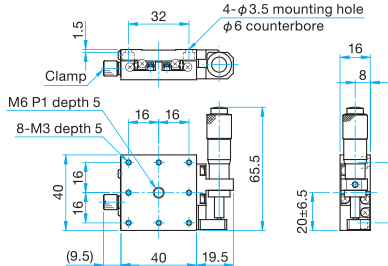
MLT31-25SZFP

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



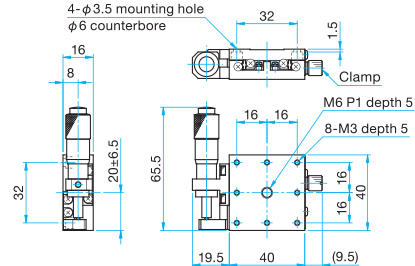
MLT31-40SZ

Hexagon socket head cap screw M3x6...4 screws



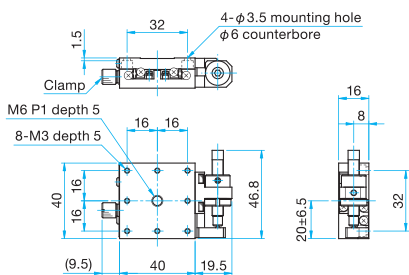
MLT31-40SRZ

Hexagon socket head cap screw M3x6...4 screws



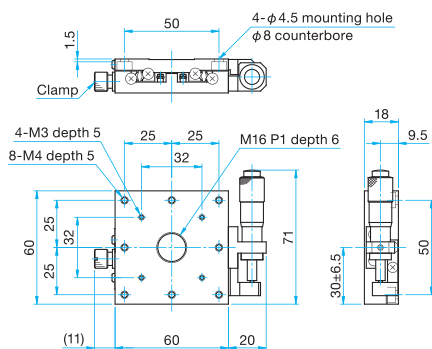
MLT31-40SZFP

Hexagon socket head cap screw M3x6...4 screws 3mm



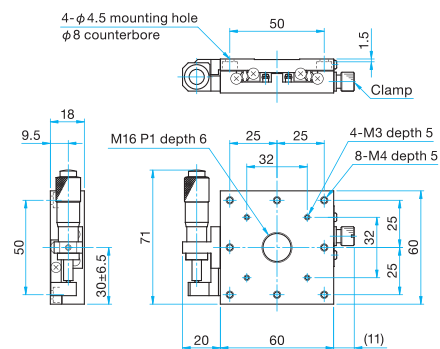
MLT31-60SZ

Hexagonal socket head cap screw M4x6...4 screws



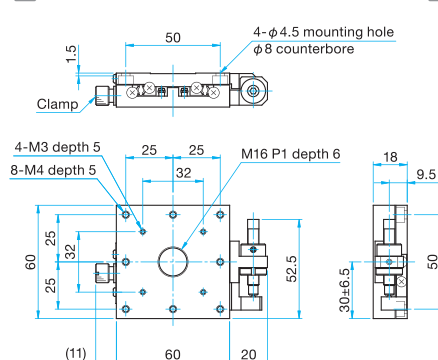
MLT31-60SRZ

Hexagonal socket head cap screw M4x6...4 screws



MLT31-60SZFP

Hexagonal socket head cap screw M4x6...4 screws 3mm



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