



X axis Leadscrew Stages | **MLT11**

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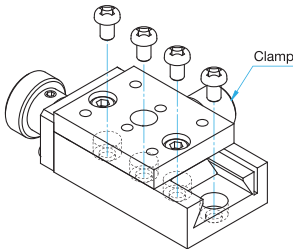
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Leadscrew stages with dovetail slide guide and leadscrew adjustment system, suitable for fine adjustment.

- A large adjustment knob provides good sensitivity and ease of use.



Mounting Method



Stage must be translated to provide access to all of the mounting holes.

Guide

- Using the top plate spacer for TAS-2060 (SP-127-1 and SP-134) to convert mounting holes, post holders and various stages can be mounted. [Reference](#) F052, F053

Attention

- Note that the TAS-151 has no clamping mechanism.
- Micrometer brackets may extend above the top surface of some stages. Check drawings for more information.

- 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

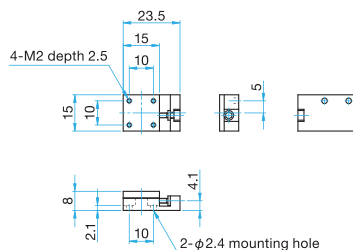
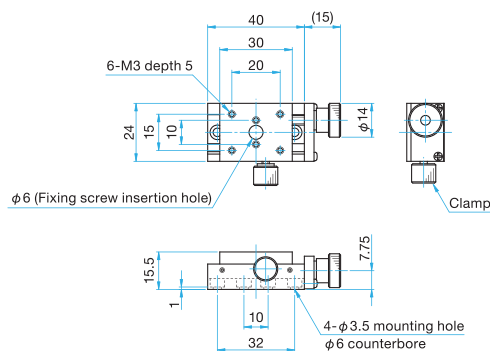
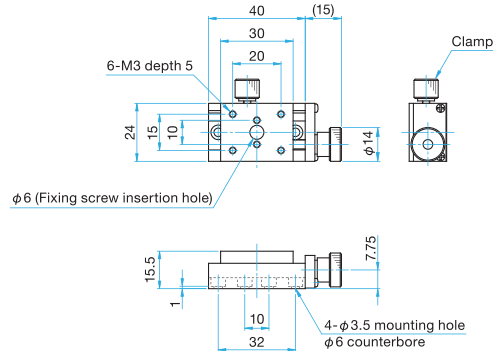
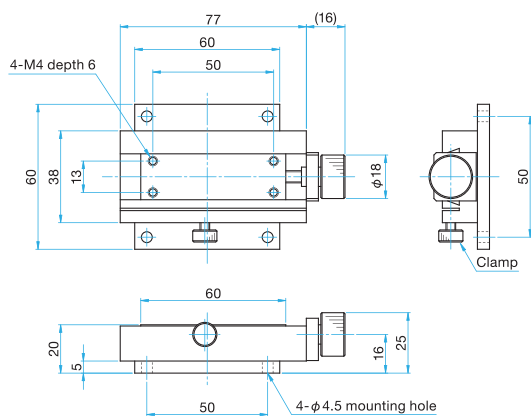
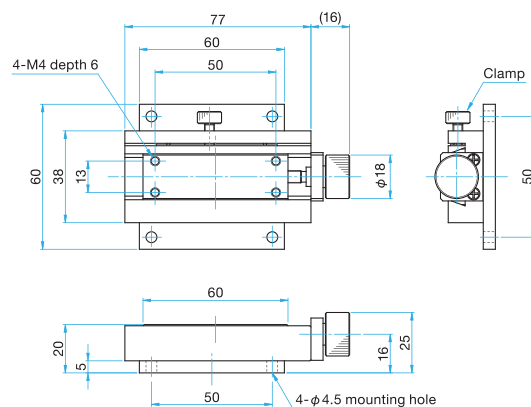
Others

Specifications				
Part Number		MLT11-15	MLT11-2430	MLT11-2060
Opposite Model		—	MLT11-2430R	MLT11-2060R
Table Size [mm]		15×15	24×30	18×60
Travel [mm]		±3	±4	±7.5
Screw Pitch [mm]		0.4	0.5	0.5
Positioning Slide		Dovetail method	Dovetail method	Dovetail method
Primary Material		Brass	Brass	Brass
Finish		Super black chrome	Super black chrome	Super black chrome
Load Capacity [N]		9.8 (1.0kgf)	68.7 (7.0kgf)	147 (15.0kgf)
Travel Accuracy	Straightness [μm]	20	20	20
	Pitch [N·m]	0.05	0.5	0.5
	Roll [N·m]	0.05	0.5	0.5
	Yaw [N·m]	0.02	0.5	0.7
Moment Stiffness	Pitch [°/N·cm]	—	0.51	0.25
	Roll [°/N·cm]	—	1.0	1.0
Parallelism [μm]		50	50	50
Weight [kg]		0.02	0.2	0.5

Catalog Code W7020



Outline Drawing

MLT11-15 Pan head screw M2×4...2 screws 2.5mm

MLT11-2430 Pan head screw M3×5...4 screws

MLT11-2430R Pan head screw M3×5...4 screws

MLT11-2060 Hexagonal socket head cap screw M4×10...4 screws

MLT11-2060R Hexagonal socket head cap screw M4×10...4 screws


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