

XY axis Preset Stages

MLT22

Stage size □15/□25/□40/□60mm

RoHS

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

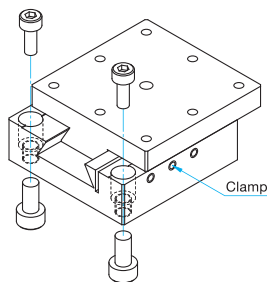
Others

Preset stages with dovetail slide guide and leadscrew adjustment system, suitable for assembly in systems.

- Ideal for less frequent operations, fine adjustment or permanent fixation.
- These stages have a block shape with minimal protrusions including the adjustment knob, in order to minimizing the installation space.

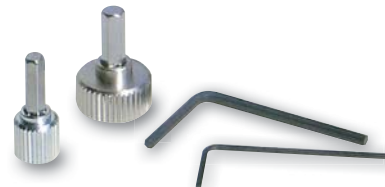


Mounting Method

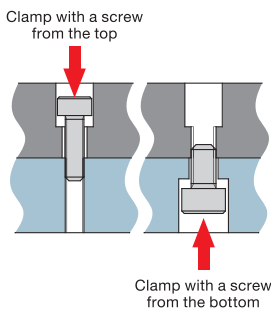


Guide

- ▶ A hex wrench with knob and clamping wrench are included.



Detailed Illustration



Top mounting

Tapped holes are used as counterbores because screws are smaller than tapped holes and will go in without any interference.

Bottom mounting

Clamp with screws that match the specification of tapped holes.

About Mounting Holes

The bottom mounting holes of preset stages are tapped holes. These stages allow mounting from the top or the bottom, convenient for securing on optical breadboards or other instruments as well as assembling in systems. Use the screws of the sizes listed in the table on the right for mounting.

Part Number	Secure from the top	Secure from the bottom
MLT22-15	M2	M2.6
MLT22-25	M2	M3
MLT22-40	M3	M4
MLT22-60	M4	M5

* When mounting from the top surface, slide the top surface to insert screws in mounting holes.

SPEC UP

Specifications

Part Number		MLT22-15	MLT22-25	MLT22-40	MLT22-60
Table Size [mm]		15×15	25×25	40×40	60×60
Travel [mm]		±2	±3	±7	±10
Positioning Slide		Dovetail method	Dovetail method	Dovetail method	Dovetail method
Primary Material		Brass	Brass	Brass	Brass
Finish		Super black chrome	Super black chrome	Super black chrome	Super black chrome
Screw Pitch [mm]		0.4	0.5	0.5	0.5
Load Capacity [N]		9.8 (1.0kgf)	49 (5.0kgf)	98.1 (10.0kgf)	147 (15.0kgf)
Travel Accuracy	Straightness [μm]	10	10	10	10
Max. Moment Capacity	Pitch [N·m]	0.5	2	3.75	5.1
	Roll [N·m]	0.5	2	3.75	5.1
	Yaw [N·m]	0.2	1	3	4
Moment Stiffness	Pitch [°/N·cm]	15	3.57	1.12	0.7
	Roll [°/N·cm]	15	3.57	1.12	0.7
Parallelism [μm]		100	100	100	100
Weight [kg]		0.03	0.11	0.3	0.83

