



X axis Rack and Pinion Dovetail Stages | MLT01

RoHS

Application Systems

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Motion Control Products

Optical & Mirror Holder

F A Parts

Measurement &Control

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Tool & Measure

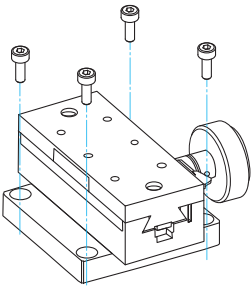
Cleanroom & AntiStatic

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Rack and pinion stages with dovetail slides, suitable for frequent operations that require quick motion and long travel.



Mounting Method

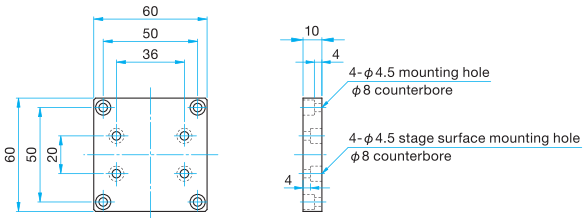


Guide

► Using the top plate spacer for MLT (SP-109 and SP-131) to convert mounting holes, post holders and various stages can be mounted. Reference F050, F053

Bottom Plate Primary material: Aluminum Finish: Black Anodized

TAR 34601/34801/34141 include a base plate that allows mounting on instruments or bases fitted with M4 tapped holes on □50mm, preventing the handle from contacting the mounting surface.



X Axis

XY Axis

Z Axis

XZ Axis

XYZ Axis

Rotation

Goniometers /Tilt

Multiaxis

Linear Guide

□15mm

□25mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others

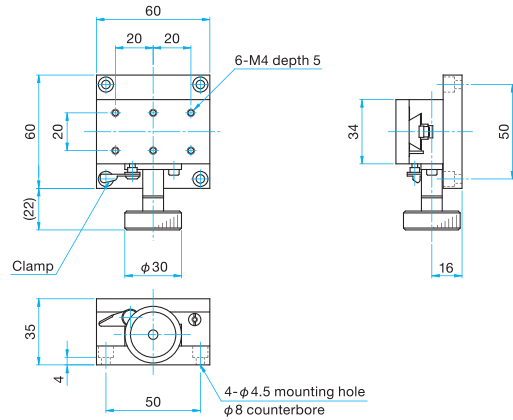
Specifications				
Part Number		MLT01-3460	MLT01-3480	MLT01-34140
Table Size [mm]		34×60	34×80	34×140
Travel [mm]		±15	±25	±50
Positioning Slide		Dovetail method	Dovetail method	Dovetail method
Primary Material		Brass	Brass	Brass
Finish		Super black chrome	Super black chrome	Super black chrome
Load Capacity [N]		147 (15.0kgf)	196 (20.0kgf)	245 (25.0kgf)
Travel Accuracy	Straightness [μm]	20	30	30
	Pitch [N·m]	2.9	3.8	6.9
	Roll [N·m]	1.5	1.5	2
	Yaw [N·m]	2	2.6	3.9
Moment Stiffness	Pitch [°/N·cm]	0.36	0.26	0.05
	Roll [°/N·cm]	0.82	0.82	0.82
Parallelism [μm]		60	60	80
Weight [kg]		0.5	0.8	1



Outline Drawing

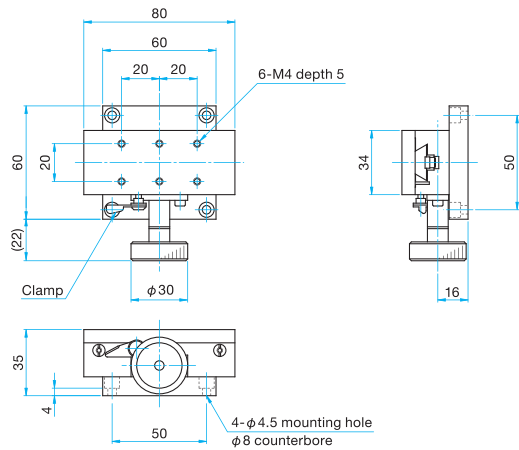
MLT01-3460

Hexagonal socket head cap screw M4x8...4 screws



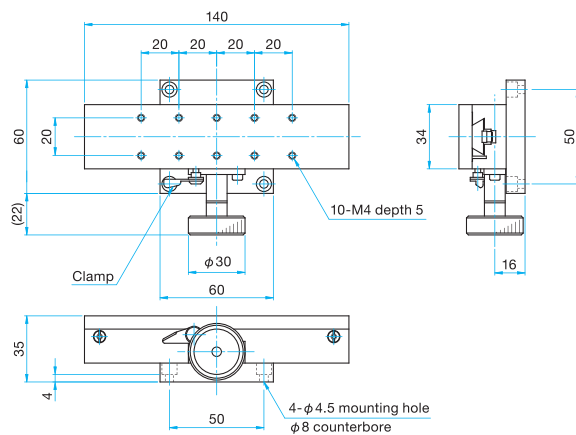
MLT01-3480

Hexagonal socket head cap screw M4x8...4 screws



MLT01-34140

Hexagonal socket head cap screw M4x8...4 screws



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