

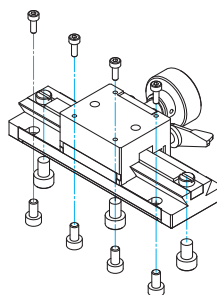
XZ axis Rack and Pinion Dovetail Stages

MLT04-L **RoHS**

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



Guide



■ Mounting Method of MLT04-2550L
 Use M3 pan head screws (only on both edges) to secure from the top, and M4 pan head screws to secure from the bottom.

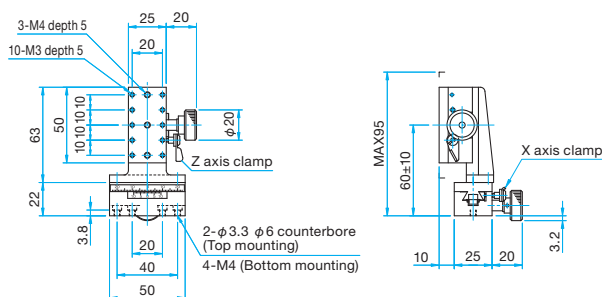
■ Components

Part Number	MLT04-2550L
Z axis	MLT73W-2550L
X axis	MLT71W-2550

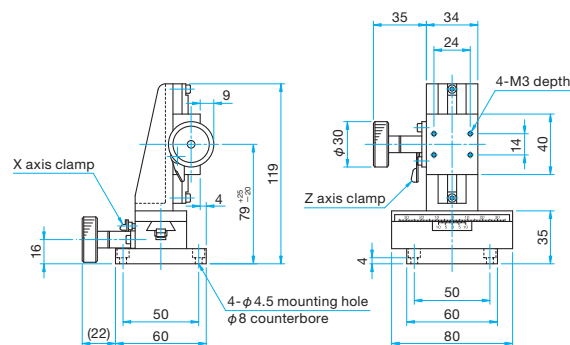


Outline Drawing

MLT04-2550L Pan head screw M3x8...4 screws



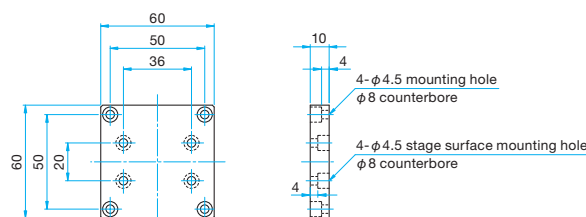
MLT04-3480L Hexagonal socket head cap screw M4x8...4 screws



Bottom Plate

Primary material: Aluminum
 Finish: Black Anodized

TAR-34804L 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.



Specifications

Part Number	MLT04-2550L		MLT04-3480L	
Table Size [mm]	25x50		34x40	
Travel [mm]	X axis ±10, Z axis ±10		X axis ±25, Z axis +25/-20	
Lead of Actuator [mm/rotation]	about 20		about 20	
Positioning Slide	Dovetail slide method		Dovetail slide method	
Primary Material	Brass		Brass	
Finish	Super black chrome		Super black chrome	
Load Capacity [N]	9.8 (1.0kgf)		14.7 (1.5kgf)	
Travel Accuracy	Straightness [μm]	30	Straightness [μm]	30
Max. Moment Capacity	Pitch [N·m]	0.5	Pitch [N·m]	0.5
	Yaw [N·m]	0.5	Yaw [N·m]	0.5
Moment Stiffness	Pitch [°/N·cm]	3.98	Pitch [°/N·cm]	2
Weight [kg]	0.52		1.1	

Application Systems

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XZ Axis

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Linear Guide

□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others