

XZ axis Steel Extended Contact Slide Stages (Vertical)

MLT34-25L Stage size □25mm

RoHS

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

F A Parts

Measurement & Control

FA Electrical Parts

Tool & Measure

Cleanroom & AntiStatic

Index

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



Guide

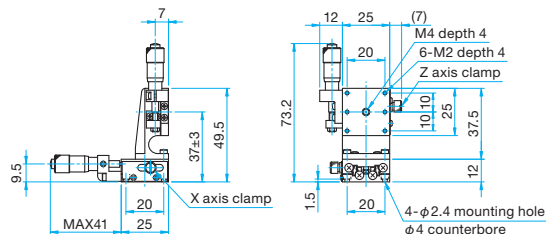
- ▶ Stainless steel types (MLT64-25L) are also available for superior corrosion resistance. [Reference](#) ▶ G115
- ▶ The part number suffix FP indicates products with fine-pitch screws instead of standard micrometers.
- ▶ Fine Pitch screws have a screw pitch of 0.25mm and require a hex wrench or the optional hex wrench with knob (NSC) for adjustment.

[Reference](#) ▶ H010

Outline Drawing

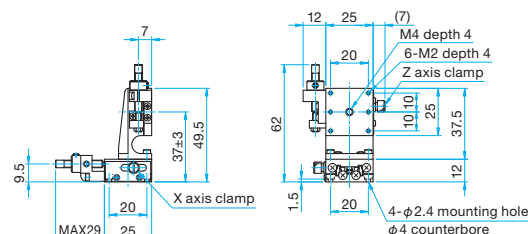
MLT34-25CL

Hexagonal socket head cap screw M2×4...4 screws



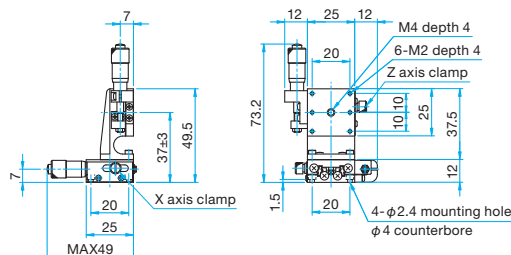
MLT34-25CLFP

Hexagonal socket head cap screw M2×4...4 screws 2mm



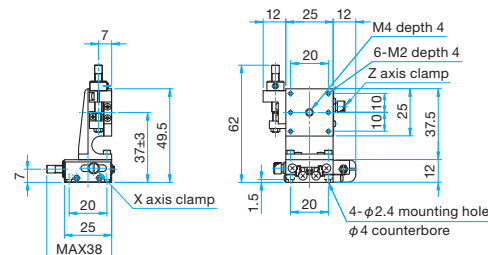
MLT34-25SL

Hexagonal socket head cap screw M2×4...4 screws



MLT34-25SLFP

Hexagonal socket head cap screw M2×4...4 screws 2mm



SPEC UP

Specifications

Table Size [mm]	25×25	
Travel [mm]	X axis ±3, Z axis ±3	
Positioning Slide	Extended contact ball guide	
Primary Material	Steel	
Finish	Super black chrome	
Load Capacity [N]	14.7 (1.5kgf)	
Travel Accuracy	Straightness [μm]	1
Max. Moment Capacity	Pitch [N·m]	2.2
	Yaw [N·m]	2.1
Moment Stiffness	Pitch [°/N·cm]	5.1

Part Number	MLT34-25CL	MLT34-25CLFP	MLT34-25SL	MLT34-25SLFP
Micrometer Position	Center	Center	Side	Side
Lead of Actuator [mm/rotation]	0.5	0.25	0.5	0.25
Micrometer Readable Resolution [mm]	0.01	—	0.01	—
Weight [kg]	0.17	0.17	0.17	0.17

Configuration

Part Number	MLT34-25CL	MLT34-25CLFP	MLT34-25SL	MLT34-25SLFP
Z axis	MLT33-25L	MLT33-25LFP	MLT33-25L	MLT33-25LFP
X axis	MLT31-25C	MLT31-25CFP	MLT31-25S	MLT31-25SFP

XZ axis Steel Extended Contact Slide Stages (Vertical)

MLT34-40L Stage size □40mm

RoHS

Guide

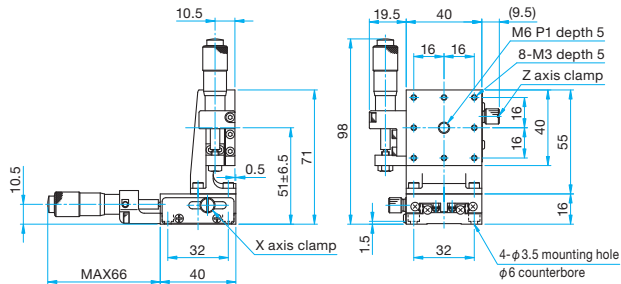
- ▶ Stainless steel types (MLT64-40L) are also available for superior corrosion resistance. [Reference](#) G115
- ▶ The part number suffix FP indicates products with fine-pitch screws instead of standard micrometers.
- ▶ Fine Pitch screws have a screw pitch of 0.25mm and require a hex wrench or the optional hex wrench with knob (NSC) for adjustment. [Reference](#) H010



Outline Drawing

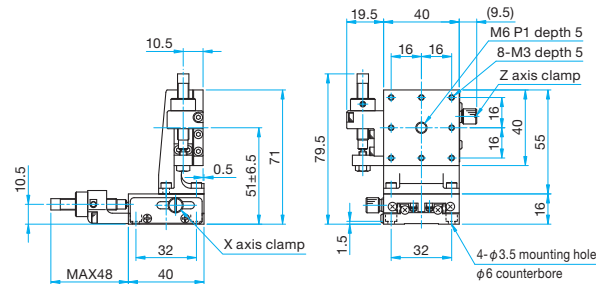
MLT34-40CL

Hexagon socket head cap screw M3×6...4 screws, Spring washers



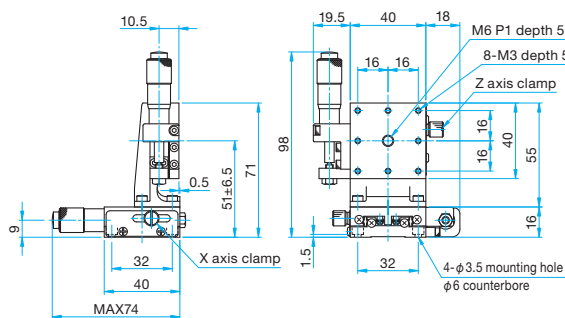
MLT34-40CLFP

Hexagon socket head cap screw M3×6...4 screws, Spring washers □3mm



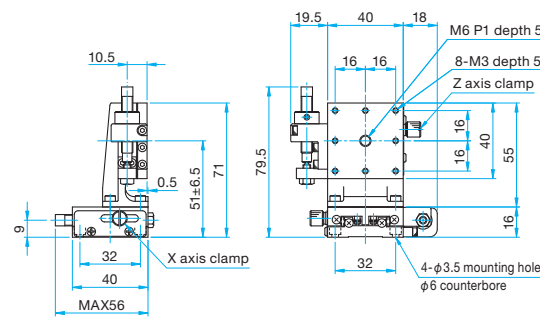
MLT34-40SL

Hexagon socket head cap screw M3×6...4 screws, Spring washers



MLT34-40SLFP

Hexagon socket head cap screw M3×6...4 screws, Spring washers □3mm



SPEC UP

Specifications

Table Size [mm]	40×40	
Travel [mm]	X axis ±6.5, Z axis ±6.5	
Positioning Slide	Extended contact ball guide	
Primary Material	Steel	
Finish	Super black chrome	
Load Capacity [N]	49 (5.0kgf)	
Travel Accuracy	Straightness [μm]	1
Max. Moment Capacity	Pitch [N·m]	5.0
	Yaw [N·m]	5.0
Moment Stiffness	Pitch [°/N·cm]	0.9

Part Number	MLT34-40CL	MLT34-40CLFP	MLT34-40SL	MLT34-40SLFP
Micrometer Position	Center	Center	Side	Side
Lead of Actuator [mm/rotation]	0.5	0.25	0.5	0.25
Micrometer Readable Resolution [mm]	0.01	—	0.01	—
Weight [kg]	0.5	0.5	0.5	0.5

Configuration

Part Number	MLT34-40CL	MLT34-40CLFP	MLT34-40SL	MLT34-40SLFP
Z axis	MLT33-40L	MLT33-40LFP	MLT33-40L	MLT33-40LFP
X axis	MLT31-40C	MLT31-40CFP	MLT31-40S	MLT31-40SFP

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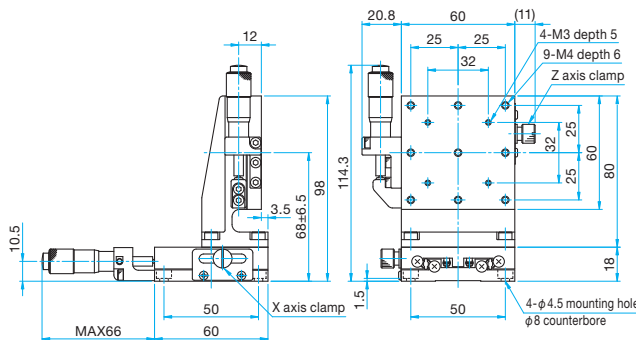
- The part number suffix FP indicates products with fine-pitch screws instead of standard micrometers.
- Fine Pitch screws have a screw pitch of 0.25mm and require a hex wrench or the optional hex wrench with knob (NSC) for adjustment.

Reference ▶ H010

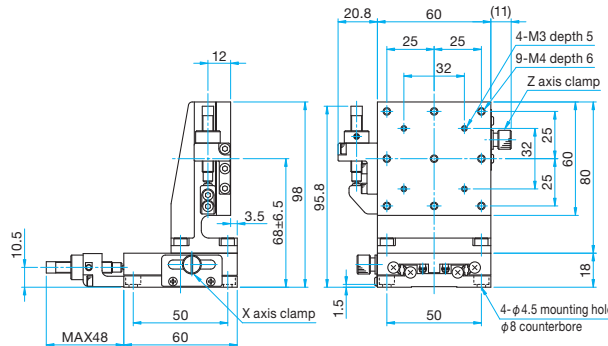


Outline Drawing

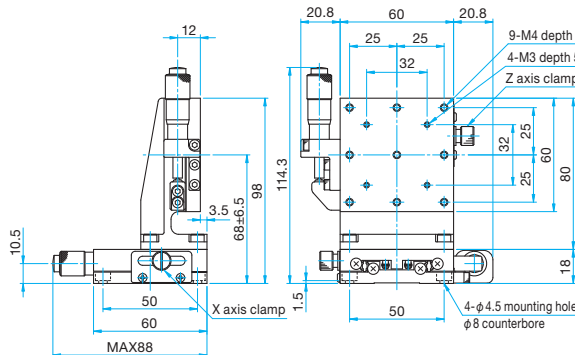
MLT34-60CL Hexagonal socket head cap screw M4x6...4 screws



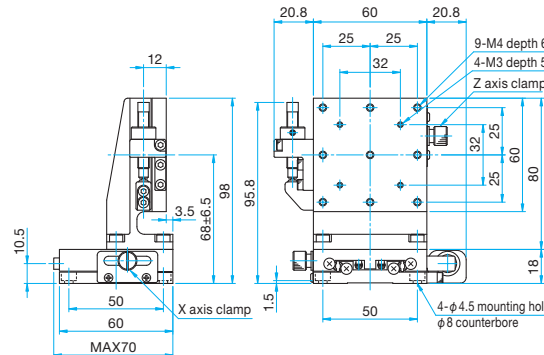
MLT34-60CLFP Hexagonal socket head cap screw M4x6...4 screws 3mm



MLT34-60SL Hexagonal socket head cap screw M4x6...4 screws



MLT34-60SLFP Hexagonal socket head cap screw M4x6...4 screws 3mm



SPEC UP

Specifications

Table Size [mm]	60×60	
Travel [mm]	X axis ±6.5, Z axis ±6.5	
Positioning Slide	Extended contact ball guide	
Primary Material	Steel	
Finish	Super black chrome	
Load Capacity [N]	49 (5.0kgf)	
Travel Accuracy	Straightness [μm]	1
Max. Moment Capacity	Pitch [N·m]	8.0
	Yaw [N·m]	8.0
Moment Stiffness	Pitch [°/N·cm]	0.45

Part Number	MLT34-60CL	MLT34-60CLFP	MLT34-60SL	MLT34-60SLFP
Micrometer Position	Center	Center	Side	Side
Lead of Actuator [mm/rotation]	0.5	0.25	0.5	0.25
Micrometer Readable Resolution [mm]	0.01	—	0.01	—
Weight [kg]	1.3	1.3	1.3	1.3

Configuration

Part Number	MLT34-60CL	MLT34-60CLFP	MLT34-60SL	MLT34-60SLFP
Z axis	MLT33-60L	MLT33-60LFP	MLT33-60L	MLT33-60LFP
X axis	MLT31-60C	MLT31-60CFP	MLT31-60S	MLT31-60SFP