

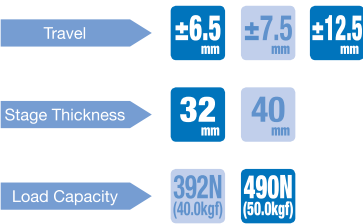
XY axis Steel Extended Contact Slide Stages

MLT32-80 Stage size 80mm

RoHS

- Application Systems
- Machine Vision
- Manual Positions
- Motion Control Products
- Optical & Mirror Holder
- FA Parts
- Measurement &Control
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Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.



Guide

- 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



Attention

- 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

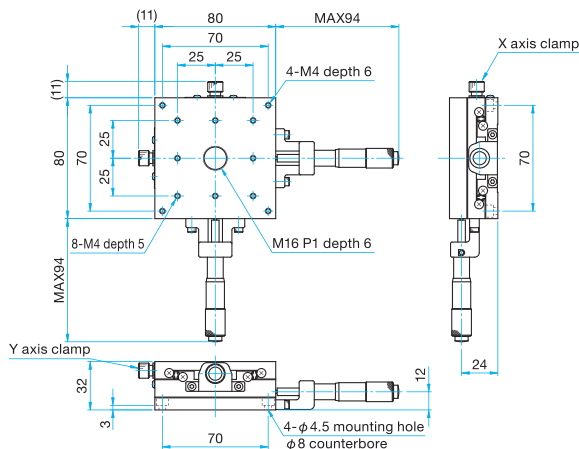
SPEC UP

Specifications						
Table Size [mm]		80×80				
Travel [mm]		±12.5 (±6.5 for SDM and SWP)				
Positioning Slide		Extended contact ball guide				
Primary Material		Steel				
Finish		Super black chrome				
Load Capacity [N]		490 (50.0kgf)				
Travel Accuracy	Straightness [μm]	1				
	Pitch [″]	25				
	Yaw [″]	15				
Max. Moment Capacity	Pitch [N·m]	19.45				
	Roll [N·m]	19.45				
	Yaw [N·m]	17.7				
Moment Stiffness	Pitch [″/N·cm]	0.16				
	Roll [″/N·cm]	0.16				
	Yaw [″/N·cm]	0.2				
Parallelism [μm]		50				
Running Parallelism [μm]		20				
Part Number	MLT32-80C	MLT32-80CFP	MLT32-80S	MLT32-80SFP	MLT32-80SDM	MLT32-80SWP
Opposite Model	—	—	MLT32-80SR	MLT32-80SRFP	—	—
Micrometer Position	Center	Center	Side	Side	Side	Side
Lead of Actuator [mm/rotation]	0.5	0.25	0.5	0.25	Coarse: 0.5 Fine: 0.025	Coarse: 0.25 Fine: 0.005
Micrometer Readable Resolution [mm]	0.01	—	0.01	—	Coarse: 0.01 Fine: 0.0005	Coarse: 0.005 Fine: 0.0005
Weight [kg]	1.4	1.4	1.4	1.4	1.5	1.4

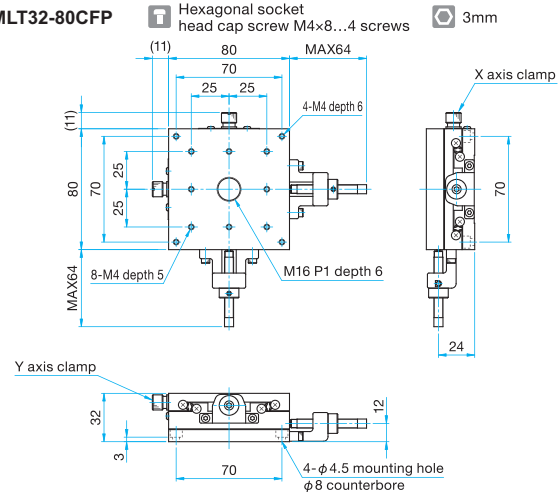


Outline Drawing

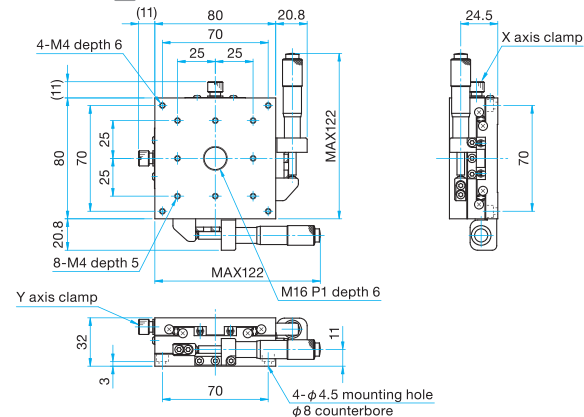
MLT32-80C Hexagonal socket head cap screw M4x8...4 screws



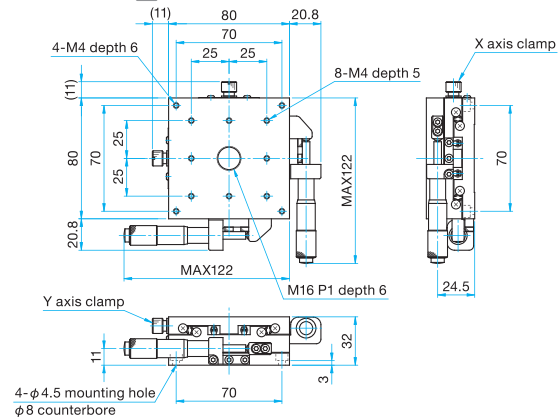
MLT32-80CFP Hexagonal socket head cap screw M4x8...4 screws



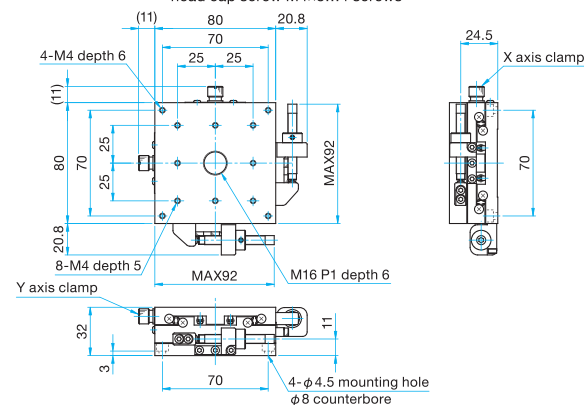
MLT32-80S Hexagonal socket head cap screw M4x8...4 screws



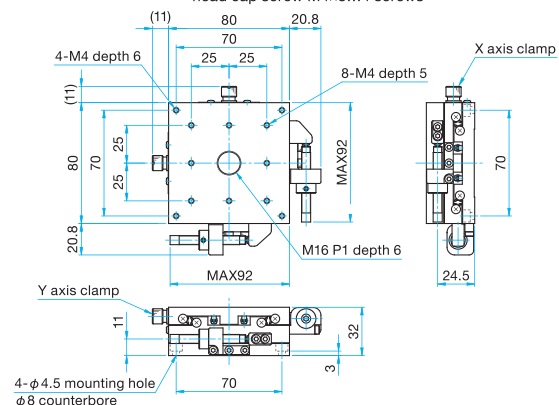
MLT32-80SR Hexagonal socket head cap screw M4x8...4 screws



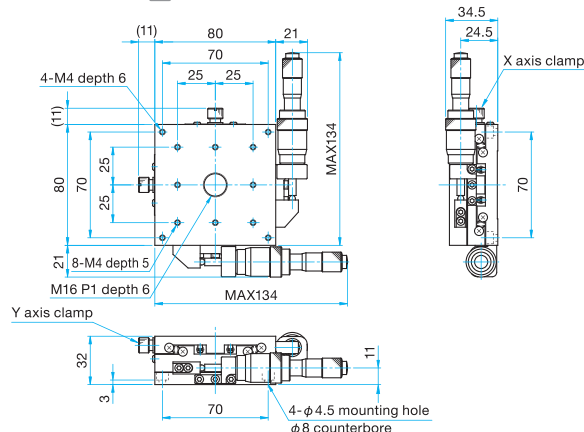
MLT32-80SFP Hexagonal socket head cap screw M4x8...4 screws



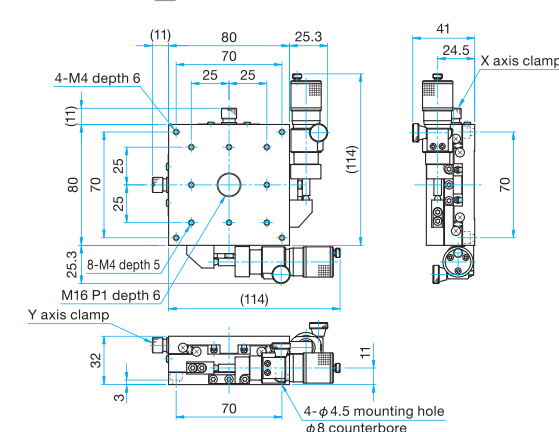
MLT32-80SRFP Hexagonal socket head cap screw M4x8...4 screws



MLT32-80SDM Hexagonal socket head cap screw M4x8...4 screws



MLT32-80SWP Hexagonal socket head cap screw M4x8...4 screws



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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