

XYZ axis Steel Extended Contact Slide Stages

MLT35-80 Stage size □80mm

RoHS

Catalog Code W7074

Guide

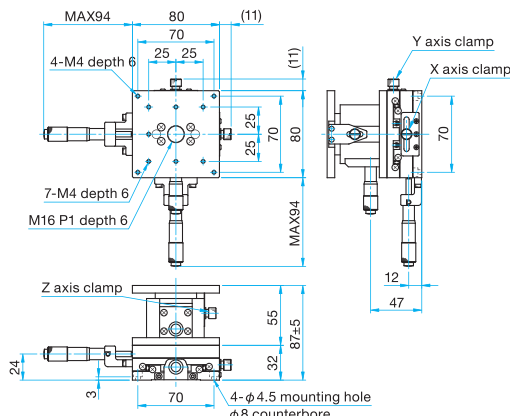
- ▶ The part number suffix FP indicates products with fine-pitch screws instead of standard micrometers.
- ▶ Fine Pitch screws have a screw pitch of 0.25mm and require a hex wrench or the optional hex wrench with knob (NSC) for adjustment.

Reference H010

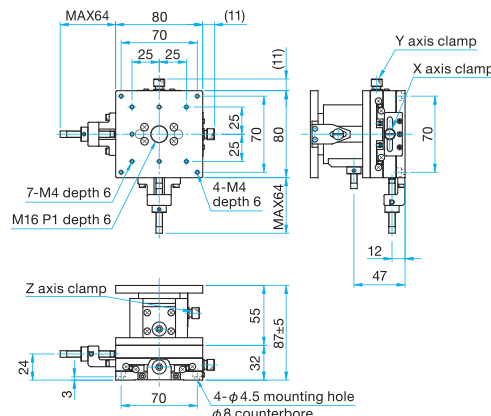


Outline Drawing

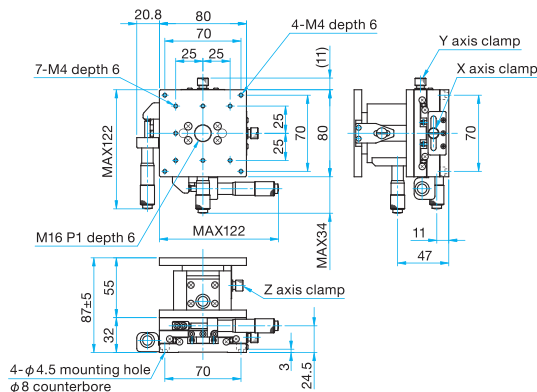
MLT35-80C Hexagon socket head cap screw M4×8...4 screws



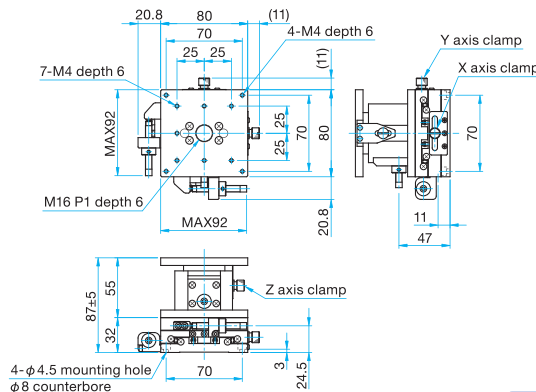
MLT35-80CFP Hexagon socket head cap screw M4×8...4 screws 3mm



MLT35-80S Hexagon socket head cap screw M4×8...4 screws 2mm



MLT35-80SFP Hexagon socket head cap screw M4×8...4 screws 3mm



SPEC UP

Specifications

Table Size [mm]	80×80	
Travel [mm]	XY axis ±12.5, Z axis ±5	
Positioning Slide	Extended contact ball guide	
Primary Material	Steel	
Finish	Super black chrome	
Travel Accuracy	Straightness [μm]	2.5
Max. Moment Capacity	Pitch [N·m]	6.9
	Roll [N·m]	6.9
Moment Stiffness	Pitch [°/N·cm]	0.67
	Roll [°/N·cm]	0.67
Parallelism [μm]	130	

Part Number	TSD-805C	TSD-805CFP	TSD-805S	TSD-805SFP
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	—
Load Capacity [N]	147 (15.0kgf)	39.2 (4.0kgf)	147 (15.0kgf)	39.2 (4.0kgf)
Weight [kg]	2.6	2.6	2.6	2.6

Configuration

Part Number	MLT35-80C	MLT35-80CFP	MLT35-80S	MLT35-80SFP
Z axis	MLT33-80	MLT33-80FP	MLT33-80	MLT33-80FP
XY axis	MLT32-80C	MLT32-80CFP	MLT32-80S	MLT32-80SFP

Application Systems

Machine Vision

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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