



X axis Steel Extended Contact Slide Stages | **MLT31-120** Stage size □120mm

RoHS

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

F A Parts

Measurement &Control

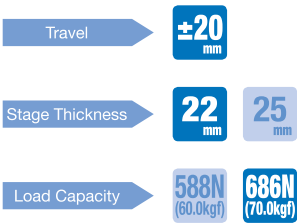
FA Electrical Parts

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Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.
The clearance hole (φ56) retains it full aperture over the full travel range.



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

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others

SPEC UP

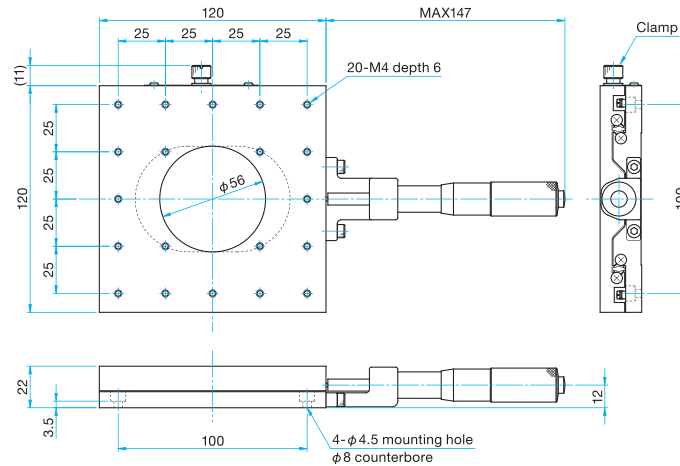
Specifications		
Table Size [mm]		120×120
Travel [mm]		±20
Positioning Slide		Extended contact ball guide
Primary Material		Steel
Finish		Super black chrome
Load Capacity [N]		686 (70.0kgf)
Travel Accuracy	Straightness [μm]	1
	Pitch [″]	25
	Yaw [″]	15
Max. Moment Capacity	Pitch [N·m]	53.9
	Roll [N·m]	49.0
	Yaw [N·m]	27.0
Moment Stiffness	Pitch [″/N·cm]	0.03
	Roll [″/N·cm]	0.02
	Yaw [″/N·cm]	0.03
Parallelism [μm]		50
Running Parallelism [μm]		12

Part Number	MLT31-120CH	MLT31-120SH
Opposite Model	—	MLT31-120SRH
Micrometer Position	Center	Side
Lead of Actuator [mm/rotation]	0.5	0.5
Micrometer Readable Resolution [mm]	0.01	0.01
Weight [kg]	2.0	2.0

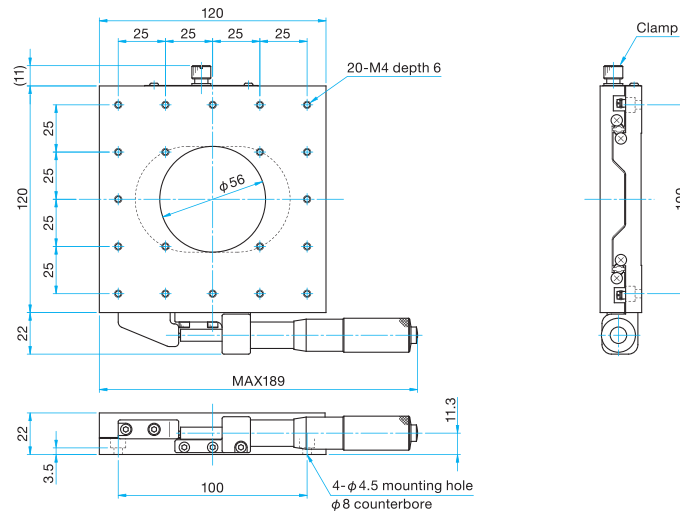


Outline Drawing

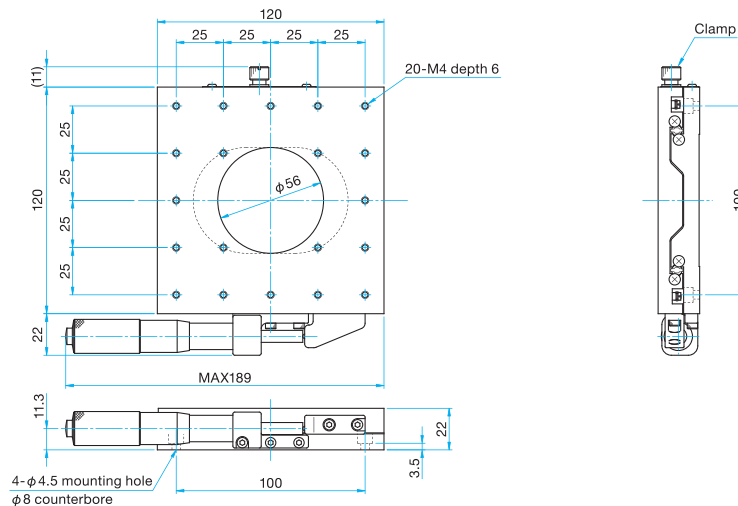
MLT31-120CH Hexagonal socket head cap screw M4x8...4 screws



MLT31-120SH Hexagonal socket head cap screw M4x8...4 screws



MLT31-120SRH Hexagonal socket head cap screw M4x8...4 screws



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Others