

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

RoHS

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X Axis

XY Axis

Z Axis

XZ Axis

XYZ Axis

Rotation

Goniometers /Tilt

Multiaxis

Linear Guide

□15mm

□25mm

□50mm

□60mm

□70mm

□80mm

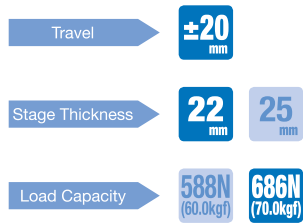
□100mm

□120mm

Others

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.

SPEC UP

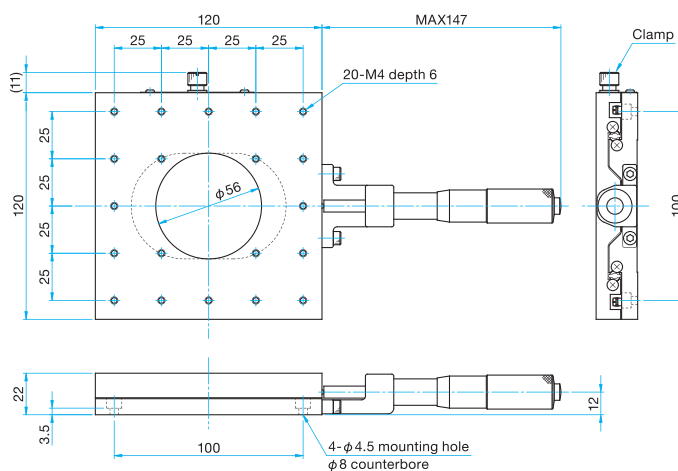
Specifications		
Table Size [mm]	120×120	
Travel [mm]	±20	
Positioning Slide	Extended contact ball guide	
Primary Material	Steel	
Finish	Super black chrome	
Load Capacity [N]	686 (70.0kgf)	
Travel Accuracy	Straightness [μm]	1
	Pitch ["]	25
	Yaw ["]	15
Max. Moment Capacity	Pitch [N·m]	53.9
	Roll [N·m]	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

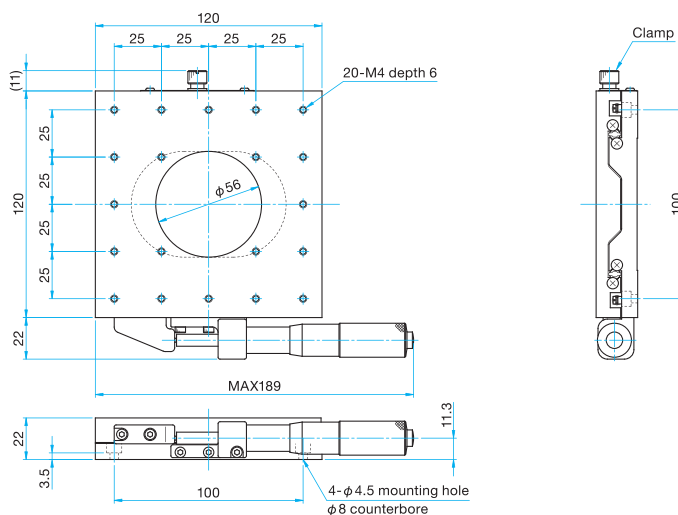


Outline Drawing

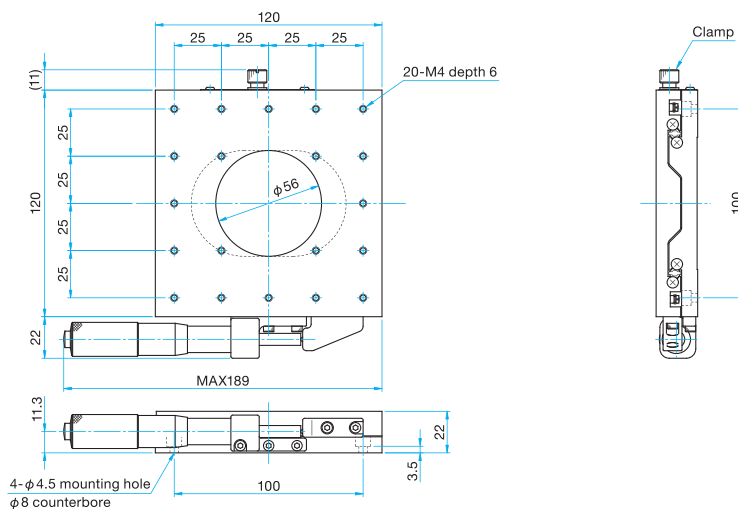
MLT31-120CH Hexagonal socket head cap screw M4x8...4 screws



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



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



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