

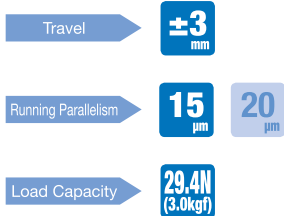


Z axis Stainless Steel Extended Contact Slide Stages | **MLT63** Stage size □25/□40/□60mm

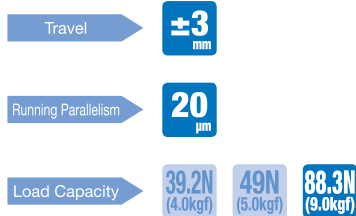
RoHS

Stainless Steel Linear Stages suitable for hard vacuum and clean room applications have the same design and performance as TSD stages. **Completely made of stainless steel, they offering excellent corrosion resistance.** Both the stage and the stainless steel micrometer head are lubricated with a high grade vacuum grease.

Stage □25mm



Stage □40mm



Stage □60mm



Guide

- ▶ The TSDS series offers stages suitable for use in clean rooms or vacuum applications. **Reference** Vacuum measurement data G009
- ▶ Also ideal for use in airtight spaces that have to avoid outgassing.

Attention

- ▶ The structure does not allow upside down installation since the spring inside the stage might not be able to withstand the load and may stretch.
- ▶ Since the structure uses the principle of leverage, the feed rate fluctuates against the scale depending on the travel (about ±0.02mm for micrometer head 0.5mm/rotation).

- Application Systems
- Machine Vision

Manual Positions

- Motion Control Products
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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

SPEC UP

Specifications				
Part Number		MLT63-25	MLT63-40	MLT63-60
Table Size [mm]		25×25	40×40	60×60
Travel [mm]		±3	±3	±5
Lead of Actuator [mm/rotation]		0.5	0.5	0.5
Micrometer Readable Resolution [mm]		0.01	0.01	0.01
Positioning Slide		Extended contact ball guide	Extended contact ball guide	Extended contact ball guide
Primary Material		Stainless steel	Stainless steel	Stainless steel
Finish		None	None	None
Load Capacity [N]		29.4 (3.0kgf)	88.3 (9.0kgf)	147 (15.0kgf)
Travel Accuracy	Straightness [µm]	5	2.5	2.5
Max. Moment Capacity	Pitch [N·m]	1	3.9	6.9
	Roll [N·m]	1	3.9	6.9
Moment Stiffness	Pitch [°/N·cm]	7.14	1.84	0.51
	Roll [°/N·cm]	7.14	1.84	0.51
Parallelism [µm]		80	80	80
Running Parallelism [µm]		15	20	25
Weight [kg]		0.1	0.25	1

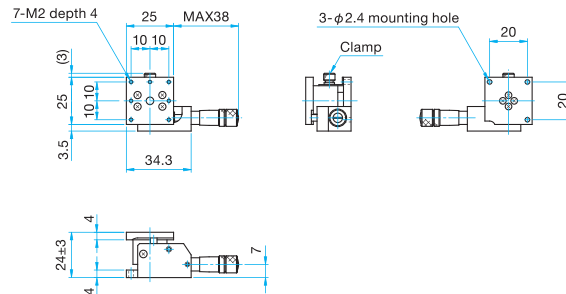
Catalog Code W7043



Outline Drawing

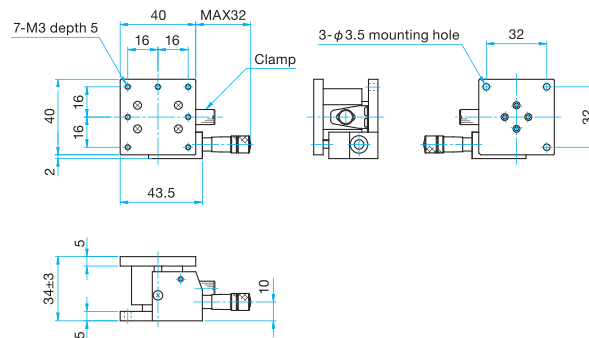
MLT63-25

Hexagon socket head cap screw (stainless steel construction) M2×6...3 screws



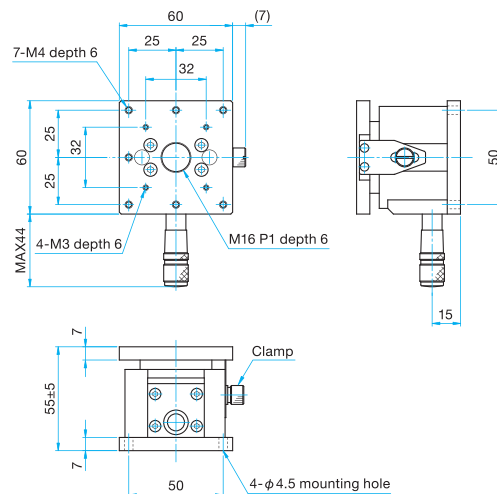
MLT63-40

Hexagon socket head cap screw (stainless steel construction) M3×8...3 screws



MLT63-60

Hexagon socket head cap screw (stainless steel construction) M4×12...4 screws



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□15mm

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□80mm

□100mm

□120mm

Others