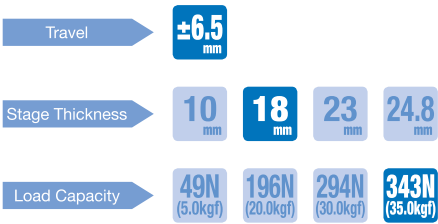




X axis Steel Extended Contact Slide Stages | **MLT31-60** Stage size ☒ 60mm

RoHS

Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.



Guide

- ▶ Stainless steel types (TSDS-601) are available for superior corrosion resistance. **Reference** G026
- ▶ 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]		60×60
Travel [mm]		±6.5
Positioning Slide		Extended contact ball guide
Primary Material		Steel
Finish		Super black chrome
Load Capacity [N]		343 (35.0kgf)
Travel Accuracy	Straightness [μm]	1
	Pitch ["]	25
	Yaw ["]	15
Max. Moment Capacity	Pitch [N·m]	13.2
	Roll [N·m]	14.7
	Yaw [N·m]	9.8
Moment Stiffness	Pitch ["/N·cm]	0.2
	Roll ["/N·cm]	0.13
	Yaw ["/N·cm]	0.16
Parallelism [μm]		30
Running Parallelism [μm]		10

Part Number	MLT31-60C	MLT31-60CFP	MLT31-60S	MLT31-60SFP	MLT31-60SDM	MLT31-60SWP
Opposite Model	—	—	MLT31-60SR	MLT31-60SRFP	—	—
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]	0.5	0.5	0.5	0.5	0.56	0.5

