



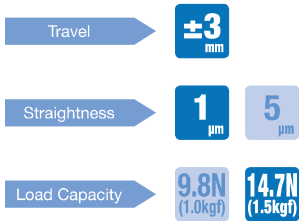
Z axis Steel Extended Contact Slide Stages (Vertical)
Z axis Stainless Steel Extended Contact Slide Stages (Vertical)

MLT33-25L Stage size □25mm
MLT63-25L Stage size □25mm



Z axis stages integrating a stage and Z bracket.

- Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.
- The TSDS model is made entirely 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.



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.

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□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others

SPEC UP

Specifications			
Table Size [mm]		25×25	
Travel [mm]		±3	
Positioning Slide		Extended contact ball guide	
Load Capacity [N]		14.7 (1.5kgf)	
Travel Accuracy	Straightness [μm]	1	
	Pitch [N·m]	2.2	
Max. Moment Capacity	Roll [N·m]	2.1	
	Pitch [°/N·cm]	3.3	
Running Parallelism [μm]		20	
Angularity [μm]		30	
Part Number	MLT33-25L	MLT33-25LFP	MLT63-25L
Opposite Model	MLT33-25RL	MLT33-25RLFP	—
Primary Material	Steel	Steel	Stainless steel
Finish	Super black chrome	Super black chrome	None
Lead of Actuator [mm/rotation]	0.5	0.25	0.5
Micrometer Readable Resolution [mm]	0.01	—	0.01
Weight [kg]	0.1	0.1	0.1

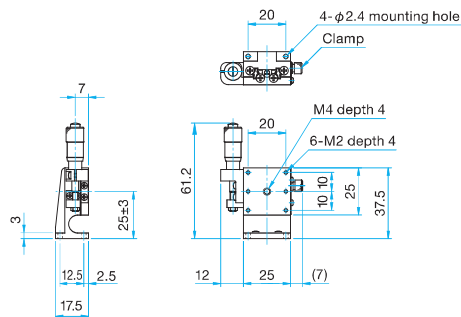
Catalog Code W7044

Catalog Code W7045

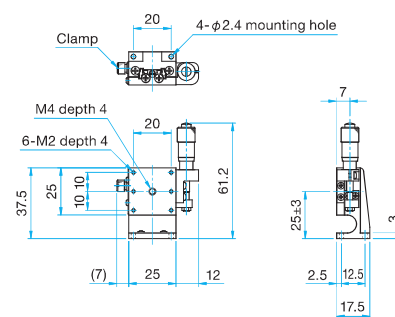


Outline Drawing

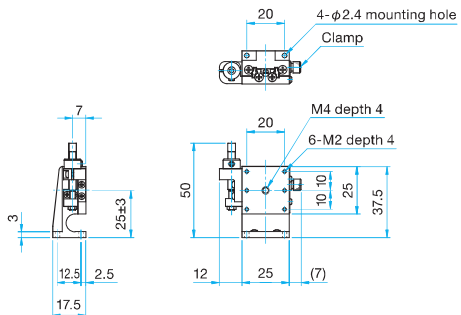
MLT33-25L Hexagonal socket head cap screw M2×6...4 screws



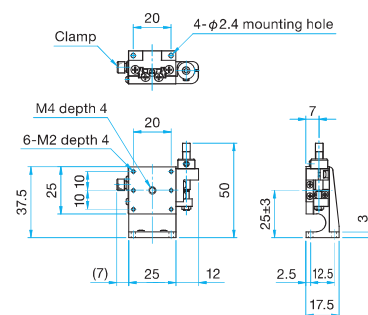
MLT33-25RL Hexagonal socket head cap screw M2×6...4 screws



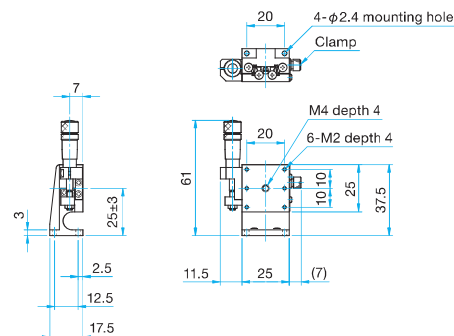
MLT33-25LFP Hexagonal socket head cap screw M2×6...4 screws 2mm



MLT33-25RLFP Hexagonal socket head cap screw M2×6...4 screws 2mm



MLT63-25L Hexagon socket head cap screw (stainless steel construction) M2×6...4 screws



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□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others



Z axis Steel Extended Contact Slide Stages (Vertical)

Z axis Stainless Steel Extended Contact Slide Stages (Vertical)

MLT33-40L Stage size □40mm

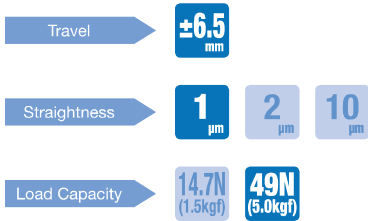
RoHS

MLT63-40L Stage size □40mm

RoHS

Z axis stages integrating a stage and Z bracket.

- Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.
- The TSDS model is made entirely 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.



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.

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□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others

SPEC UP

Specifications		
Table Size [mm]		40×40
Travel [mm]		±6.5
Positioning Slide		Extended contact ball guide
Load Capacity [N]		49 (5.0kgf)
Travel Accuracy	Straightness [μm]	1
Max. Moment Capacity	Pitch [N·m]	5
	Roll [N·m]	5
Moment Stiffness	Pitch [°/N·cm]	0.6
Running Parallelism [μm]		20
Angularity [μm]		30

Part Number	MLT33-40L	MLT33-40LFP	MLT33-40DML	MLT33-40LWP	MLT63-40L
Opposite Model	MLT33-40RL	MLT33-40RLFP	—	—	—
Primary Material	Steel	Steel	Steel	Steel	Stainless steel
Finish	Super black chrome	Super black chrome	Super black chrome	Super black chrome	None
Lead of Actuator [mm/rotation]	0.5	0.25	Coarse: 0.5 Fine: 0.025	Coarse: 0.25 Fine: 0.005	0.5
Micrometer Readable Resolution [mm]	0.01	—	Coarse: 0.01 Fine: 0.0005	Coarse: 0.005 Fine: 0.0005	0.01
Weight [kg]	0.3	0.3	0.4	0.3	0.3

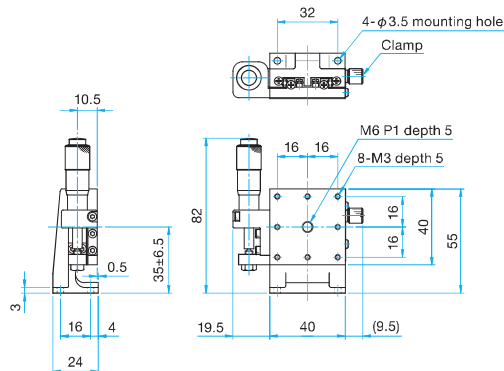
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Catalog Code W7047

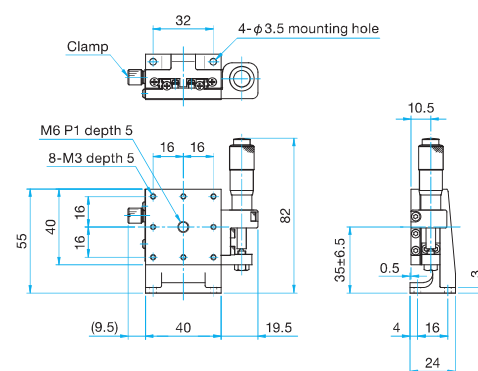


Outline Drawing

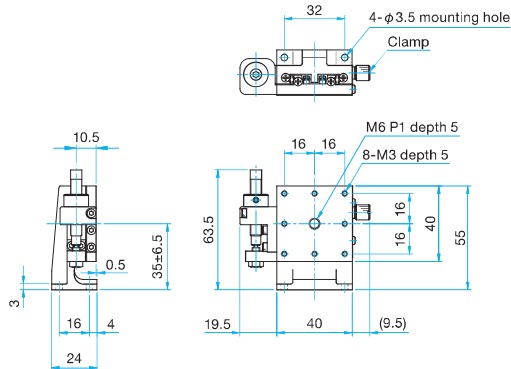
MLT33-40L Hexagon socket head cap screw M3×6...4 screws



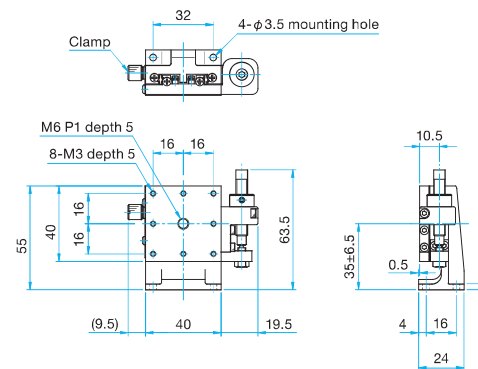
MLT33-40RL Hexagon socket head cap screw M3×6...4 screws



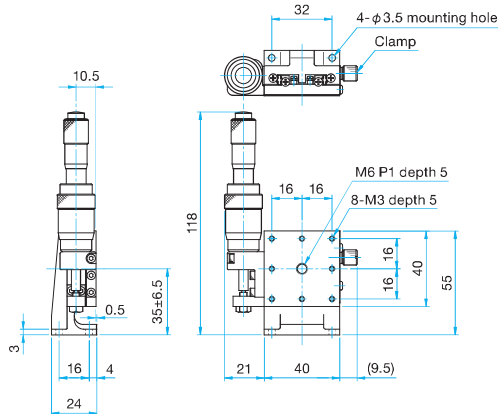
MLT33-40LFP Hexagon socket head cap screw M3×6...4 screws 3mm



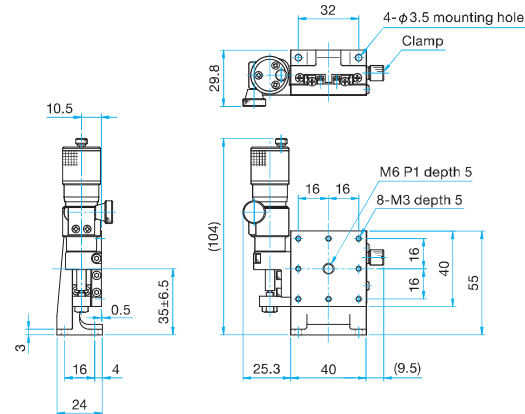
MLT33-40RLFP Hexagon socket head cap screw M3×6...4 screws 3mm



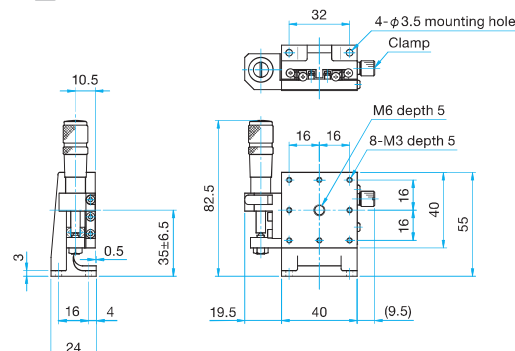
MLT33-40DML Hexagon socket head cap screw M3×6...4 screws



MLT33-40LWP Hexagon socket head cap screw M3×6...4 screws



MLT63-40L Hexagon socket head cap screw (stainless steel construction) M3×6...4 screws



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□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others



Z axis Steel Extended Contact Slide Stages (Vertical) | **MLT33-60L** Stage size ☐60mm



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☐15mm

☐25mm

☐40mm

☐50mm

☒60mm

☐70mm

☐80mm

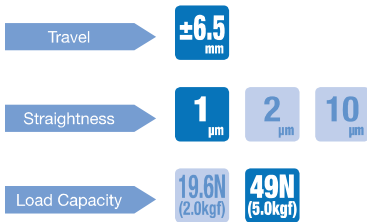
☐100mm

☐120mm

Others

Z axis steel extended contact slide stages integrating a stage and Z bracket.

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



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.

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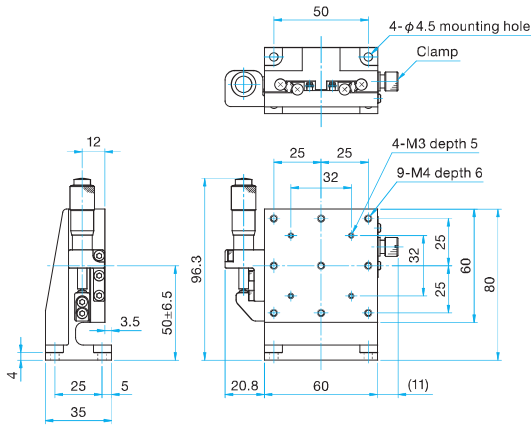
Specifications			
Table Size [mm]		60×60	
Travel [mm]		±6.5	
Positioning Slide		Extended contact ball guide	
Primary Material		Steel	
Finish		Super black chrome	
Load Capacity [N]		49 (5.0kgf)	
Travel Accuracy	Straightness [μm]	1	
Max. Moment Capacity	Pitch [N·m]	8	
	Roll [N·m]	8	
Moment Stiffness	Pitch [°/N·cm]	0.25	
Running Parallelism [μm]		20	
Angularity [μm]		30	

Part Number	MLT33-60L	MLT33-60LFP	MLT33-60DML	MLT33-60LWP
Opposite Model	MLT33-60RL	MLT33-60RLFP	—	—
Lead of Actuator [mm/rotation]	0.5	0.25	Coarse: 0.5, Fine: 0.025	Coarse: 0.25, Fine: 0.005
Micrometer Readable Resolution [mm]	0.01	—	Coarse: 0.01, Fine: 0.0005	Coarse: 0.005, Fine: 0.0005
Weight [kg]	0.8	0.8	0.9	0.8

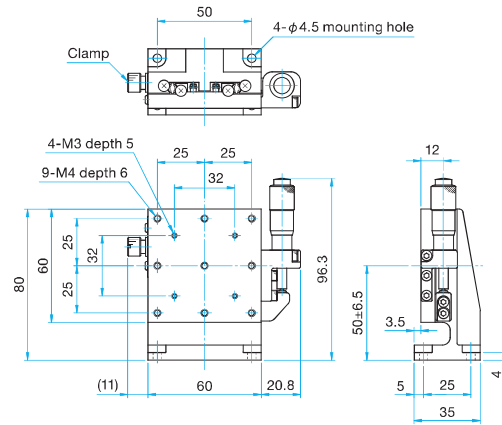


Outline Drawing

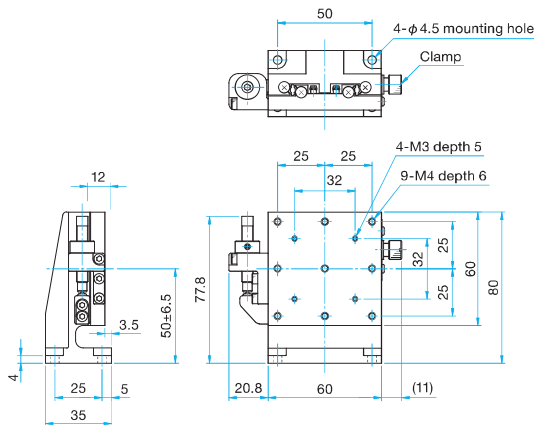
MLT33-60L Hexagonal socket head cap screw M4x8...4 screws



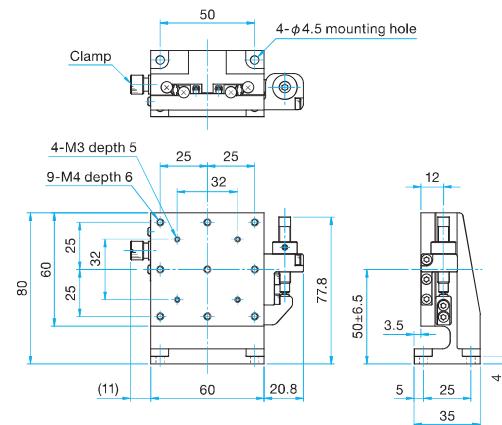
MLT33-60RL Hexagonal socket head cap screw M4x8...4 screws



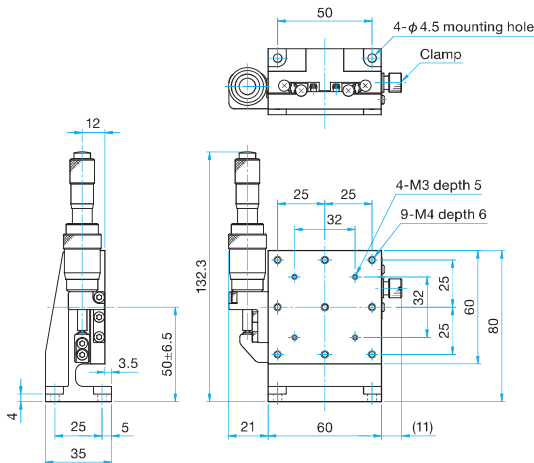
MLT33-60LFP Hexagonal socket head cap screw M4x8...4 screws 3mm



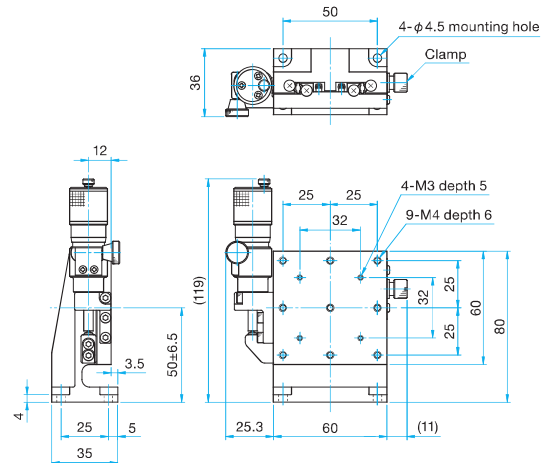
MLT33-60RLFP Hexagonal socket head cap screw M4x8...4 screws 3mm



MLT33-60DML Hexagonal socket head cap screw M4x8...4 screws



MLT33-60LWP Hexagonal socket head cap screw M4x8...4 screws



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□25mm

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□50mm

□60mm

□70mm

□80mm

□100mm

□120mm

Others