

Points on Similar Product Comparison | Parallelism: 100μm

Similar Product Pages P.1972

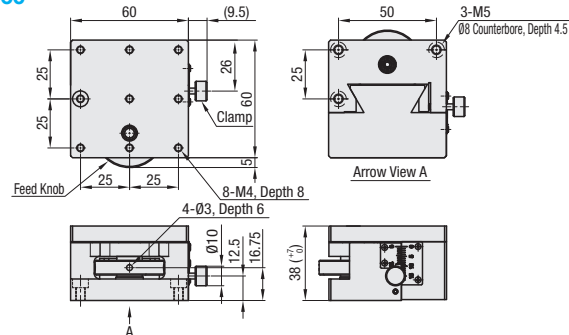
Features: Horizontal Surface Z-Axis Type with feed screw. This is superior to Rack & Pinion Type in load capacity. Space-saving is achieved by limiting the position of clamp/scale to the right side face.

Horizontal Surface Z-Axis, Feed Screw

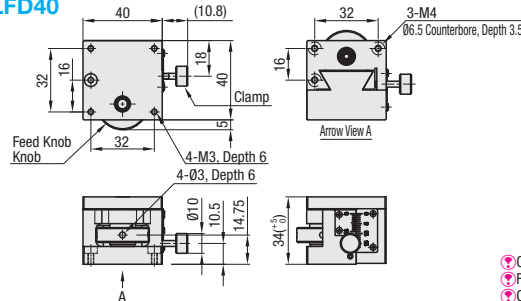


RoHS10

ZLFD60



ZLFD40



- Clamp and scale are provided on the right side face in the front.
- Fix the bottom plate at 3 points.
- Counterclockwise rotation of the knob elevates the stage surface.

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

Z-Axis Stages High Precision Stage Existing Product: ZLFG (P.1972), ZLPG (P.1973)

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Parallelism (μm)	Load Capacity (N)	Weight (kg)	Unit Price
TYPE	No.						
ZLFD	40	40x40	+5	0.5	29.4	0.15	
	60	60x60	+7	0.5	98.1	0.37	

Ordering Example Part Number ZLFD40

Features: Z-Axis Stages with the stage top rising/lowering horizontally. Best suited for setup changes and simple focus adjustments.

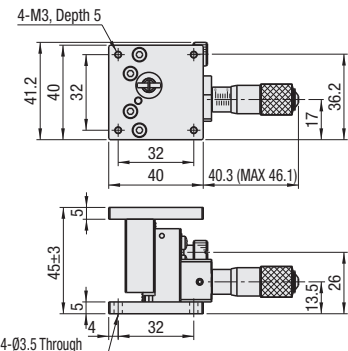
Horizontal Z-Axis, Linear Ball Slide



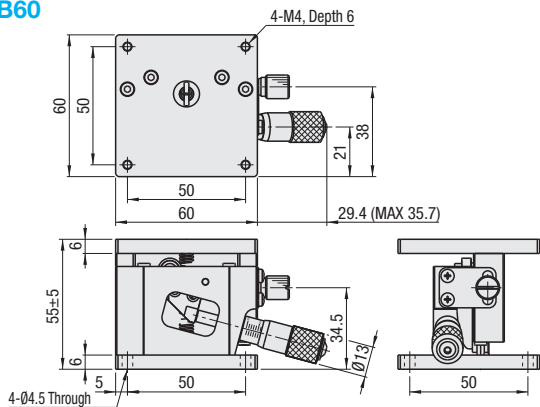
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Accessory: SUS Hex Socket Low Head Cap Screws ZLLB40 (M3-10, 4 pcs.), ZLLB60 (M4-12, 4 pcs.)

ZLLB40



ZLLB60



M Material: Steel
S Surface Treatment: Electroless Nickel Plating

Z-Axis Stages High Precision Stage Existing Product: ZLPGS (P.1972), ZLPG (P.1973)

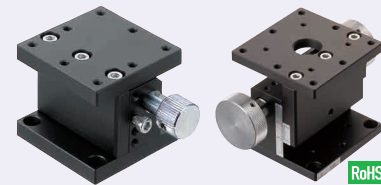
Part Number	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)	Resolution (μm/division)	Parallelism (μm)	Weight (kg)	Unit Price
TYPE	No.						
ZLLB	40	40x40	±3.0	29.4	≈ 5	0.3	
	60	60x60	±5.0	49.0	≈ 10	0.7	

Though having a repeatability, the lift may misalign with the scale graduation depending on the stroke, due to the principle of leverage used for the structure. Use the micrometer head scale for reference only.

Ordering Example Part Number ZLLB40

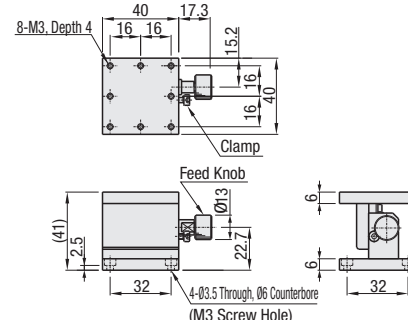
Features: Rack & Pinion Stages with horizontal surface moving vertically.

Horizontal Surface Z-Axis Stages, Rack & Pinion



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ZLFG40



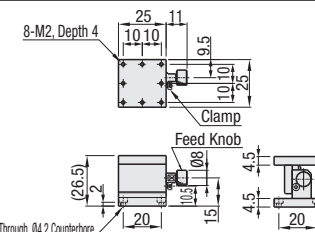
- Vernier scale will be on the opposite side of clamp mounting side.
- Forcibly tightening the clamp with a hex wrench or similar tool may make it more difficult to operate. Use the maximum tightening torque for reference only: ZLFG25: 10 cN·m, ZLFG40: 20 cN·m.

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Moment Load Capacity (N·m)	Weight (kg)	Accessory (4 pcs.)	Unit Price
TYPE	No.								
ZLFG	25	25x25	±2.5	≈ 8	6.9	0.6 1.0 1.5	0.08	SCB2-8	
	40	40x40	±5	≈ 13	9.8	0.6 1.0 1.5	0.12	SCB3-6	
	60	60x60	±10	≈ 17	14.7	4.0 4.0 2.5	0.47	SCB4-6	

Resolution (Vernier Scale Indication): 0.1mm/division

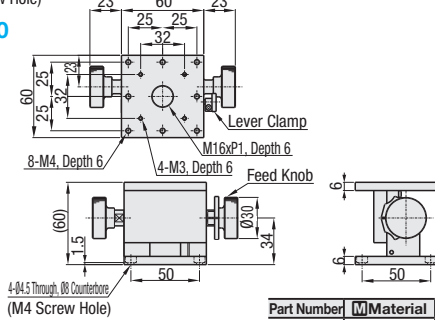
Ordering Example Part Number ZLFG60

ZLFG25

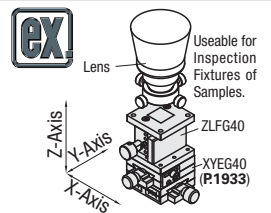


4-Ø2.5 Through, Ø4.2 Counterbore (M2 Screw Hole)

ZLFG60

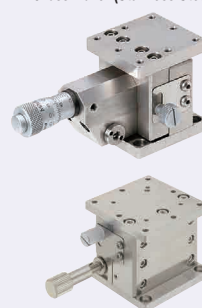


Part Number	Material	Surface Treatment
ZLFG25	Low Cadmium Brass	Black Fluororesin Treatment
ZLFG40	Aluminum Alloy	Black Anodize
ZLFG60	Aluminum Alloy	Black Anodize



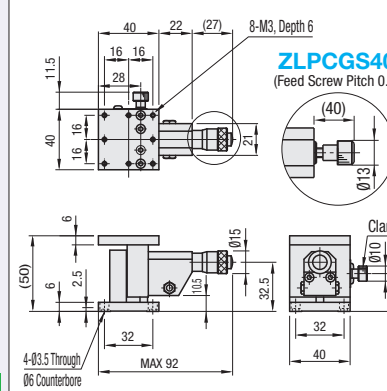
Features: Suitable for highly accurate fine adjustment of horizontal surface of Z-axis. ZLPGS has higher load capacity compared to the same size ZLPG (P.1973).

Horizontal Surface Z-Axis, Cross Roller (Stainless Steel)

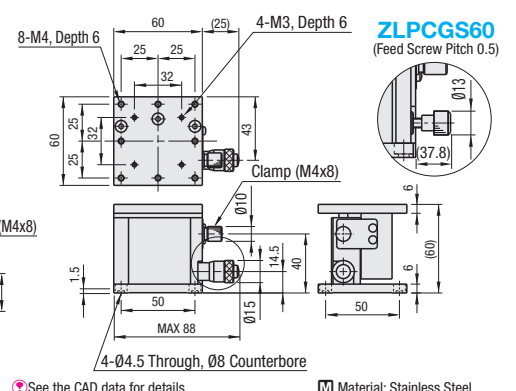


RoHS10

ZLPGS40 (Micrometer Head Lead 0.5)



ZLPGS60 (Micrometer Head Lead 0.5)



Standard Stages Similar Products (available for limited sizes only): ZLLB (P.1971)

Part Number	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)	Travel Accuracy Straightness	Moment Load Capacity (N·m)	Moment Rigidity ("N·cm)	Parallelism (μm)	Weight (kg)	Accessory (4 pcs.)	Unit Price
TYPE	No.									
ZLPGS	40	40x40	±3	29.4	3μm	1.8 1.1 1.2	0.81 0.22 0.30	100	0.49 SCB3-6	
	60	60x60	±3	58.8	3μm	3.3 2.4 3.1	0.42 0.18 0.12	100	0.99 SCB4-6	
ZLPCGS	40	40x40	±3	29.4	3μm	1.8 1.1 1.2	0.81 0.22 0.30	100	0.47 SCB3-6	
	60	60x60	±3	29.4	3μm	3.3 2.4 3.1	0.42 0.18 0.12	100	0.97 SCB4-6	

Micrometer Head Resolution: 10μm/division

Knob Cover H0CVR15 (Sold Separately): Ø15 micrometer head knobs can be increased in diameter by installing the cover. P.2004

Though having a repeatability, the lift may misalign with the scale graduation depending on the stroke, due to the principle of leverage used for the structure. Use the micrometer head scale for reference only.

Ordering Example Part Number ZLPGS40