

Points on Similar Product Comparison | Parallelism: 100µm

Similar Product Pages P.1972

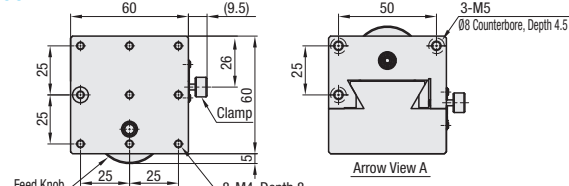
Features: Horizontal Surface Z-Axis Type with feed screw. This is superior to Rack & Pinion Type in load capacity. Space-saving is achieved by limiting the position of clamp/scale to the right side face.

Horizontal Surface Z-Axis, Feed Screw

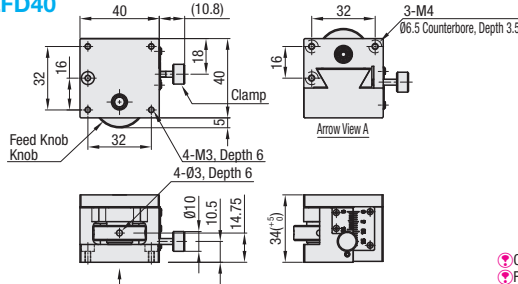


RoHS10

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.
- Material: Aluminum Alloy
- Surface Treatment: Black Anodize

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

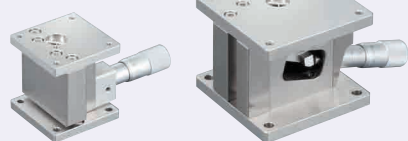
TYPE	Part Number	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Parallelism (µm)	Load Capacity (N)	Weight (kg)	Unit Price
			60x60	+7	0.5 <td>100 <td>98.1 <td>0.37 <td></td> </td></td></td>	100 <td>98.1 <td>0.37 <td></td> </td></td>	98.1 <td>0.37 <td></td> </td>	0.37 <td></td>	

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.

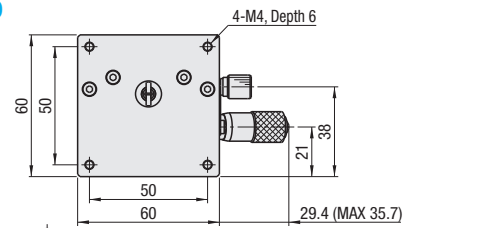
Horizontal Z-Axis, Linear Ball Slide

RoHS10

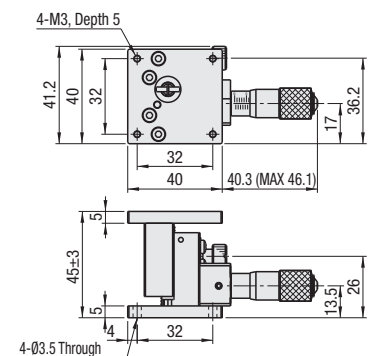


Accessory: SUS Hex Socket Low Head Cap Screws ZLLB40 (M3-10, 4 pcs.), ZLLB60 (M4-12, 4 pcs.)

ZLLB60



ZLLB40



- Material: Steel
- Surface Treatment: Electroless Nickel Plating

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

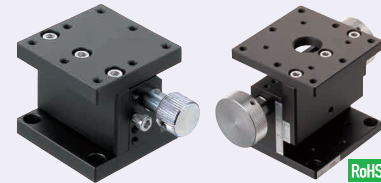
Type	Part Number	No.	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)	Resolution (µm/division)	Parallelism (µm)	Weight (kg)	Unit Price
			60x60	±5.0 <td>49.0 <td>=10 <td></td> <td>0.7 <td></td> </td></td></td>	49.0 <td>=10 <td></td> <td>0.7 <td></td> </td></td>	=10 <td></td> <td>0.7 <td></td> </td>		0.7 <td></td>	

The micrometer head is only for raising and lowering the positioning stage. The scale and the amount by which the positioning stage is raised and lowered will vary.

Ordering Example Part Number ZLLB40

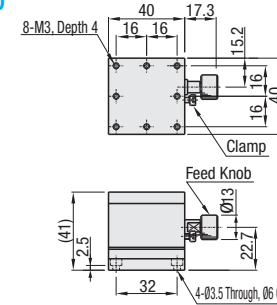
Features: Rack & Pinion Stages with horizontal surface moving vertically.

Horizontal Surface Z-Axis Stages, Rack & Pinion

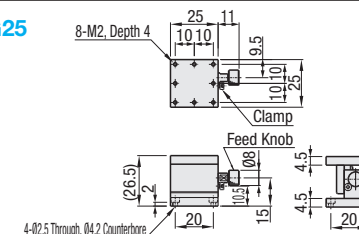


RoHS10

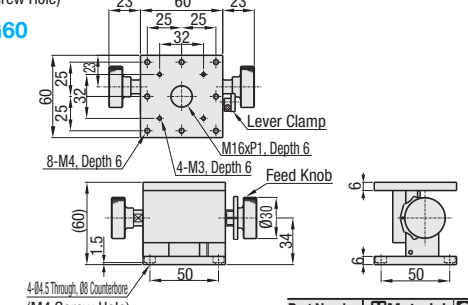
ZLFG40



ZLFG25



ZLFG60



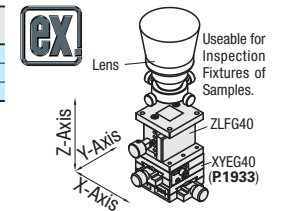
- Vernier scale will be on the opposite side of clamp mounting side.
- Forcibly tightening the clamp with a hex wrench or similar tool may make it more difficult to operate. Use the maximum tightening torque for reference only: ZLFG25: 10 cN·m, ZLFG40: 20 cN·m.

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

Part Number	Type	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness (µm)	Moment Load Capacity (N·m)			Weight (kg)	Accessory (4 pcs.) Type M-L	Unit Price
							Pitching	Yawing	Rolling			
ZLFG	25	25x25	±2.5	≈8	6.9	30µm	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	

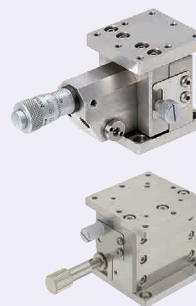
Resolution (Vernier Scale Indication): 0.1mm/division

Ordering Example Part Number ZLFG60



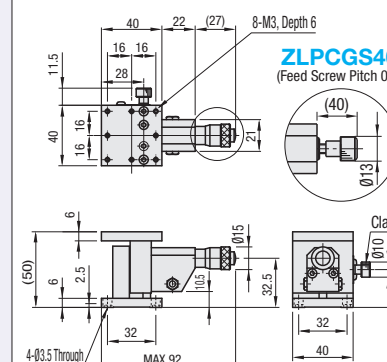
Features: Suitable for highly accurate fine adjustment of horizontal surface of Z-axis. ZLPGS has higher load capacity compared to the same size ZLPG (P.1973).

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

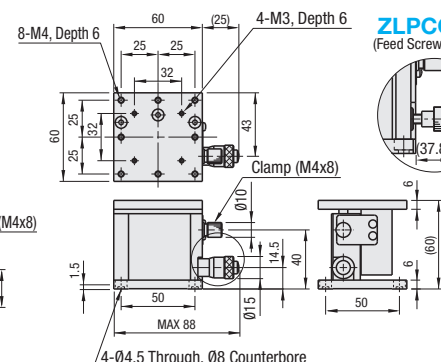


RoHS10

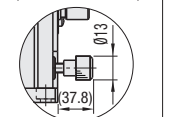
ZLPGS40 (Micrometer Head Lead 0.5)



ZLPGS60 (Micrometer Head Lead 0.5)



ZLPCGS60 (Feed Screw Pitch 0.5)



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

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

- Micrometer Head Resolution: 10µm/division
- Knob Cover HDVR15 (Sold Separately): Ø15 micrometer head knobs can be increased in diameter by installing the cover. P.2004
- The micrometer head is only for raising and lowering the positioning stage. The scale and the amount by which the positioning stage is raised and lowered will vary.

Ordering Example Part Number ZLPGS40