Points on Similar Product Comparison | Parallelism: 100μm
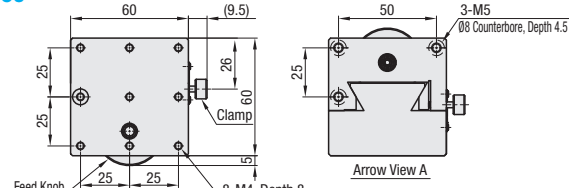
Similar Product Pages ☞ P.1972

■**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.
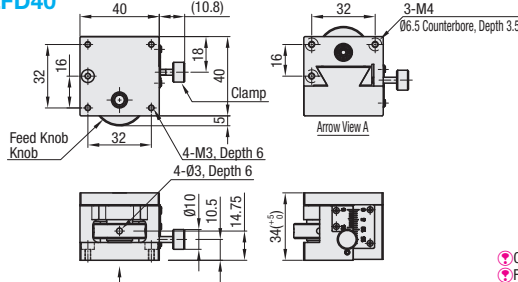
■**Horizontal Surface Z-Axis, Feed Screw**

ZLFD60

ZLFD40

RoHS 10

💬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.

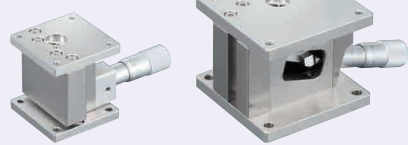Ⓜ Material: Aluminum Alloy
Ⓢ Surface Treatment: Black Anodize

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

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	40×40	+5	0.5	100	29.4	0.15	
	60	60×60	+7	0.5	100	98.1	0.37	

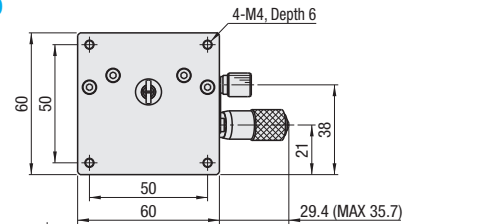Ordering Example | Part Number **ZLFD40**

■**Features:** Z-Axis Stages with the stage top rising/lowering horizontally. Best suited for setup changes and simple focus adjustments.
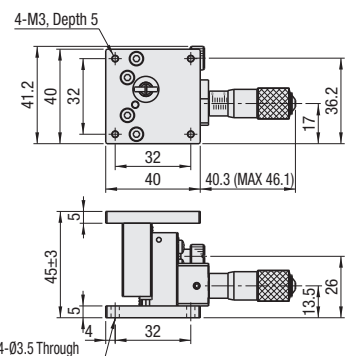
■**Horizontal Z-Axis, Linear Ball Slide**

RoHS 10

ZLLB60

Ⓐ Accessory: SUS Hex Socket Low Head Cap Screws ZLLB40 (M3-10, 4 pcs.), ZLBB60 (M4-12, 4 pcs.)

ZLLB40

Ⓜ Material: Steel
Ⓢ 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	40×40	±3.0	29.4	≒ 5	80	0.3	
	60	60×60	±5.0	49.0	≒10		0.7	

💬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.
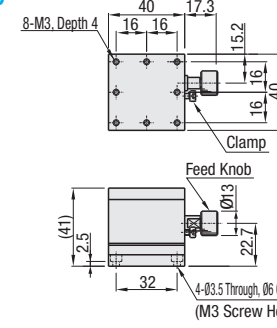
Ordering Example | Part Number **ZLLB40**

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

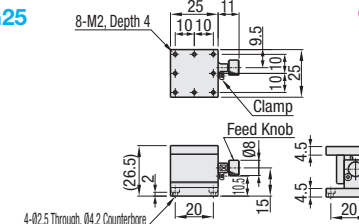■**Horizontal Surface Z-Axis Stages, Rack & Pinion**
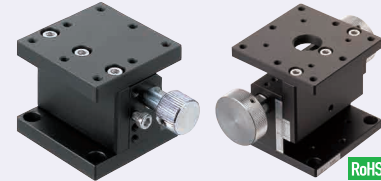
RoHS 10

ZLFG25

ZLFG40

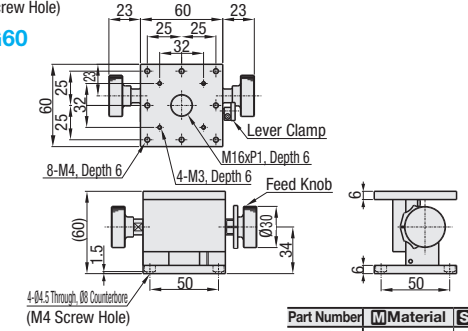**ZLFG60**

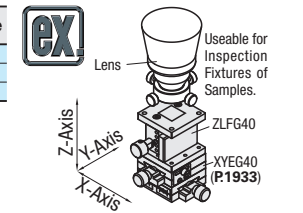💬The height dimensions in ( ) are the dimensions at the center of the travel distance.

💬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			

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.) Type M-L	Unit Price
Type	No.						Pitching	Yawing	Rolling			
ZLFG	25	25×25	±2.5	≈8	6.9	30μm	0.6	1.0	1.5	0.08	SCB2-8	
	40	40×40	±5	≈13	9.8		0.6	1.0	1.5	0.12	SCB3-6	
	60	60×60	±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**

ex Useable for Inspection Fixtures of Samples.

Lens

ZLFG40
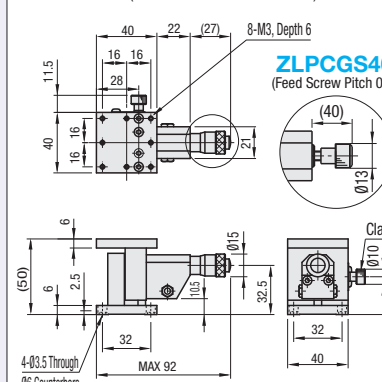Z-Axis / Y-Axis / X-Axis
XYEG40 (**P.1933**)

■**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**).
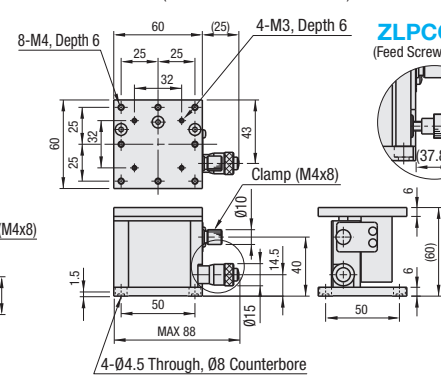
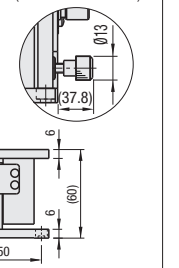■**Horizontal Surface Z-Axis, Cross Roller (Stainless Steel)**
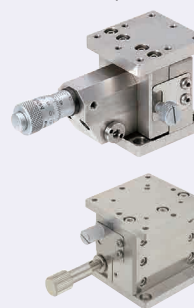
RoHS 10

ZLPGS40 (Micrometer Head Lead 0.5)

ZLPGS60 (Micrometer Head Lead 0.5)

ZLPCGS40 (Feed Screw Pitch 0.5)

ZLPCGS60 (Feed Screw Pitch 0.5)

💬The height dimensions in ( ) are the dimensions at the center of the travel distance. 💬See the CAD data for details. Ⓜ Material: Stainless Steel

💬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.) TypeM-L	Unit Price
Type	No.					Pitching	Yawing	Rolling	Pitching	Yawing	Rolling				
ZLPGS	40	40×40	±3	29.4	3μm	1.8	1.1	1.2	0.81	0.22	0.30	100	0.49	SCB3-6	
	60	60×60	±3	58.8		3.3	2.4	3.1	0.42	0.18	0.12		0.99	SCB4-6	
ZLPCGS	40	40×40	±3	29.4	3μm	1.8	1.1	1.2	0.81	0.22	0.30	100	0.47	SCB3-6	
	60	60×60	±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 HDCVR15 (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**