

[High Precision] XY-Axis Dovetail Slide, Rack & Pinion Rectangular

Features: Square Dovetail Slide XY-Axis Stages with 18mm travel per knob rotation. Can be utilized for smooth long distance moves.

XY-Axis, Rectangular

X-Axis: P1904
Z-Axis: P1954

RoHS10

XYWG40: 50x40 stage surface, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.4, Clamp (M3x5), 8-M4, Depth 5, Stopper Side View A.

XYWG60: 60x50 stage surface, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.4, Clamp (M3x5), 6-M4, Depth 5, Stopper Side View A.

XYWG90: 60x90 stage surface, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.4, 10-M4, Depth 5, Stopper Side View A.

XYWG140: 60x140 stage surface, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.4, 10-M4, Depth 5, Stopper Side View A.

Common to XYWG90,140: Clamp (M3x5), Stopper Side View A.

Material: Aluminum Alloy (M), Surface Treatment: Black Anodize (S).

By turning the preload adjustment screw clockwise (A) with a flathead screwdriver, the stage slides slowly, and by turning counterclockwise the stage slides quickly and smoothly.

Standard Stages Similar Products (available for limited sizes only): XYDTS (P1938)

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness (µm)	Weight (kg)	Unit Price
XYWG	40	24.8x42	±12	18	24.5	30µm	0.29	
	60	40x60	±21					
	90	40x90	±35					
	140	40x140	±60					

Resolution (Vernier Scale Indication): 0.1 mm/division
Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P2004
Travel accuracy values shown are for single axis configuration.

[High Precision] XY-Axis Dovetail Slide, Rack & Pinion Rectangular, Reinforced Clamp / Square

Features: Feed knob shaft is directly clamped for improved position holding performance compared to XYWG on P1939.

XY-Axis, Reinforced Clamp

X-Axis: P1906
Z-Axis: P1958

XYWGCL

Resolution (Vernier Scale Indication): 0.1 mm/division
Knob Cover HDCVR15 (Sold Separately): Ø15 knob diameter can be increased to Ø24 by installing the cover. P2004
Travel accuracy values shown are for single axis configuration.

Features: Square Dovetail Slide XY-Axis Stages with 18mm travel per knob rotation. Each size has a different clamp configuration. The XYFG40 has a lever type clamp. (See P1957 for details.)

XY-Axis, Square

X-Axis: P1911
Z-Axis: P1957

RoHS10

XYFG25: 25x25 stage surface, 6-M2, Depth 4, Clamp, Feed Knob, 4-Ø4.5 Through, Ø4.2 Counterbore, Depth 4.5.

XYFG40: 40x40 stage surface, 10-M3, Depth 6, M16xP1, Depth 6, Feed Knob, Lever Clamp, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.5.

XYFG60: 60x60 stage surface, 4-M3, Depth 8, 8-M4, Depth 8, Feed Knob, Clamp, 4-Ø4.5 Through, Ø8 Counterbore, Depth 4.5.

Material: Low Cadmium Brass (XYFG25), Aluminum Alloy (XYFG40, XYFG60), Surface Treatment: Black Fluorescent Treatment (XYFG25), Black Anodize (XYFG40, XYFG60).

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness (µm)	Weight (kg)	Accessory (4 pcs. Type M-L)	Unit Price
XYFG	25	25x25	±5	17	28.4	20µm	0.18	SCB2-12	
	40	40x40	±10	20	27.4	30µm	0.37	SCB4-6	
	60	60x60	±20	18	29.4	30µm	1.19	SCB4-6	

Alterations: Part Number - (M) XYFG40 - M

See the CAD data for details.

Alteration	No Bottom Plate
Spec.	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>XYFG40</p> <p>4-Ø4.3 Through (From Back), Ø8 Counterbore, Depth 10 (M3 Screw Hole)</p> </div> <div style="text-align: center;"> <p>XYFG60</p> <p>2-Ø4.5 Through (From Back), Ø8 Counterbore, Depth 6 (M4 Screw Hole)</p> </div> </div> <p>Not applicable to XYFG25. The feed knobs will interfere with the mating bases.</p>
Code	M