

# [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

RoHS

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

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	Stage Surface	Travel Distance	Travel per Rotation	Load Capacity	Travel Accuracy	Weight	Unit Price
Type	No.	(mm)	(mm)	(N)	Straightness	(kg)	
XYWG	40	24.8x42	±12	24.5	30µm	0.29	
	60	40x60	±21	34.3		0.51	
	90	40x90	±35			0.73	
	140	40x140	±60			1.08	

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.

Ordering Example Part Number XYWG90

# [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

RoHS

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

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

RoHS

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Resolution (Vernier Scale Indication): 0.1 mm/division

Travel accuracy values shown are for single axis configuration.

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