

[Standard] Z-Axis Dovetail Slide, Rack & Pinion

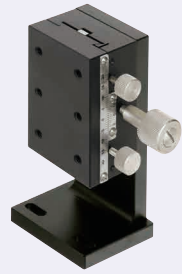
Rectangular / Low Profile

Points on Similar Product Comparison | Travel Accuracy (Straightness) 50µm

P.1954

Features: Rapid feed Rack & Pinion stages with less accuracy and more economical prices than existing products.

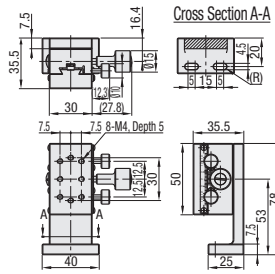
Z Axis, Rectangular



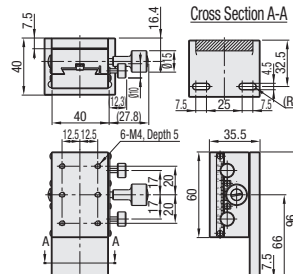
X-Axis P.1903
XY-Axis P.1938
RoHS 10

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

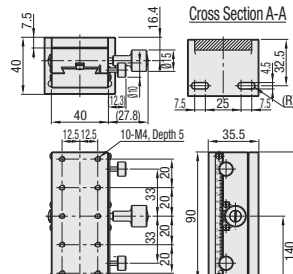
ZDTS50



ZDTS60



ZDTS90



Z-Axis Stages

High Precision Stage Existing Product: ZWG (P.1954)

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Weight (kg)	Unit Price
ZDTS	50	30x50	±16	16.7	50µm	0.26	
	60	40x60	±21			0.38	
	90	40x90	±35			0.51	

Resolution (Vernier Scale Indication): 0.1 mm/division
Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P.2004

Ordering Example Part Number ZDTS90

Features: Rapid Feed Rack & Pinion Stages with Low Profile. Stage thickness except the bottom plate is 20mm.

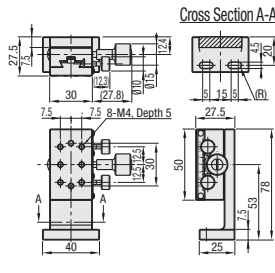
Z-Axis Low Profile



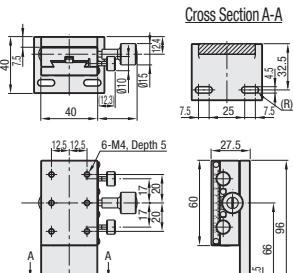
X-Axis P.1903
XY-Axis P.1938
RoHS 10

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

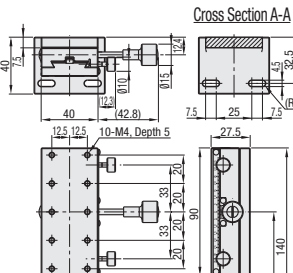
ZDTS50



ZDTS60



ZDTS90



Z-Axis Stages

Standard Type: ZDTS (P.1953)

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Weight (kg)	Unit Price
ZDTS	50	50x30	±15	16.7	50µm	0.23	
	60	60x40	±20			0.33	
	90	90x40	±35			0.43	

Resolution (Vernier Scale Indication): 0.1 mm/division
Knob Cover HDCVR15 (Sold Separately): Dovetail Stage Ø15 knobs can be increased in diameter by installing the cover. P.2004

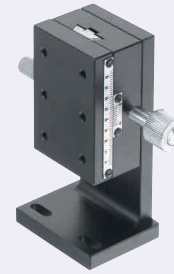
Ordering Example Part Number ZDTS60

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

Rectangular

Features: Rectangular Dovetail Slide Z-Axis Stages with 18mm travel per knob rotation. Narrower widths compared to ZFG (P.1957) are provided.

Z Axis, Rectangular



X-Axis P.1904
XY-Axis P.1939
RoHS 10

Example



XWG60 (P.1904) and ZWG60 Combination

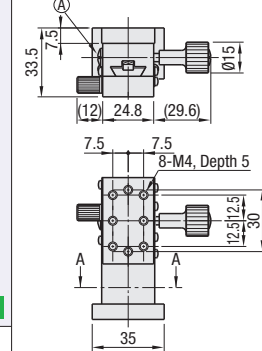


XYWG60 (P.1939) and ZWG90 Combination

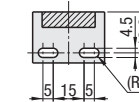


XYWG60 (P.1939) and ZWG90 Combination

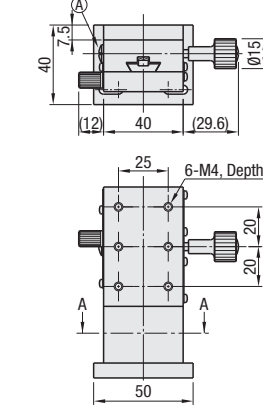
ZWG40



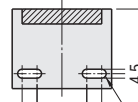
Cross Section A-A



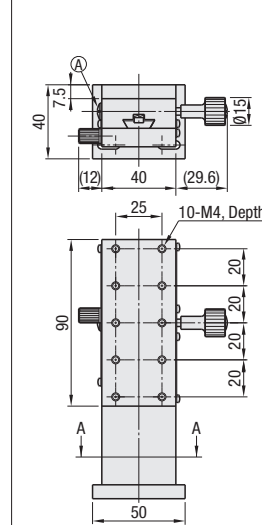
ZWG60



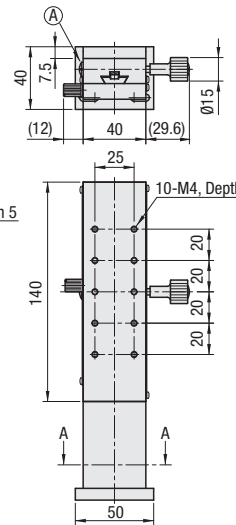
Cross Section A-A



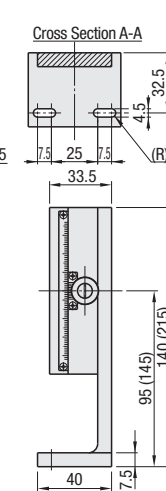
ZWG90



ZWG140



Common to ZWG90, 140



Dimensions in () are for ZWG140.
By turning the preload adjustment screw (A) clockwise with a flathead screwdriver, the stage slides slowly, and by turning counterclockwise the stage slides quickly and smoothly.

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize
A Accessory: CBST4-12 (2 pcs.)

Standard Stages Similar Products: ZDTS (P.1953)

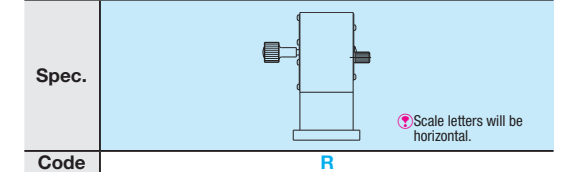
Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Travel Accuracy (µm) Straightness	Load Capacity (N)	Weight (kg)	Unit Price				
								No.			
ZWG	24.8x42	±12	18	20	14.7	0.17					
							60	40x60	±21	0.33	
							90	40x90	±35	0.45	
							140	40x140	±60	0.68	

Resolution (Vernier Scale Indication): 0.1 mm/division
Knob Cover HDCVR15 (Sold Separately): Dovetail Stage Ø15 knobs can be increased in diameter by installing the cover. P.2004

Ordering Example Part Number ZWG60

Alterations Part Number ZWG60 - (R) ZWG60 - R

Alteration Feed Knob Position Change (Left/Right Reversed)



Code R