

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

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

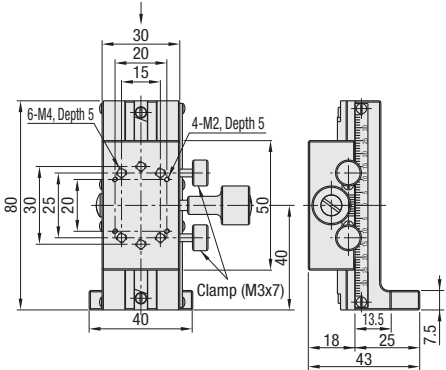
Points on Similar Product Comparison | Travel Accuracy (Straightness) 50-60µm

P.1956

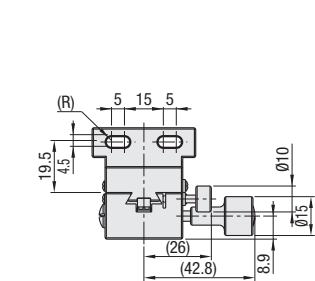
Features: Economically priced long stroke Rack & Pinion stages.

## Z-Axis, Long

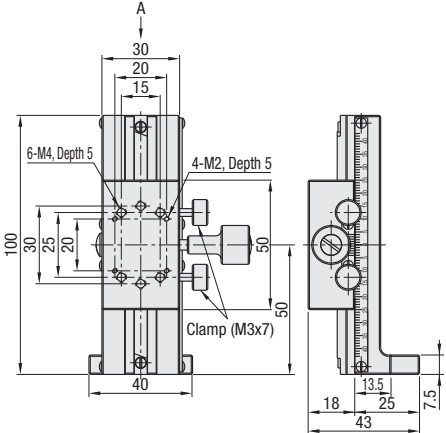
### ZDTLS80



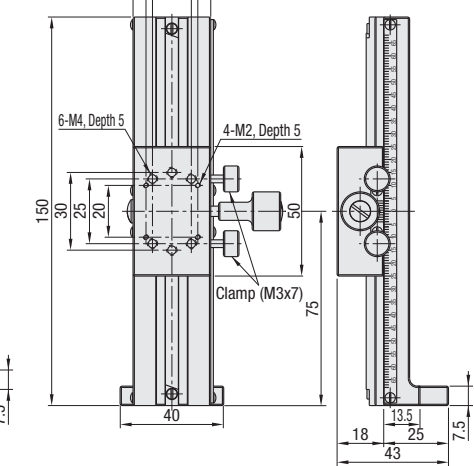
### Arrow View A



### ZDTLS100



### ZDTLS150



M Material: Aluminum Alloy  
S Surface Treatment: Black Anodize

X-Axis P.1907 RoHS 10

## Z-Axis Stages High Precision Stage Existing Product: ZLWG (P.1956)

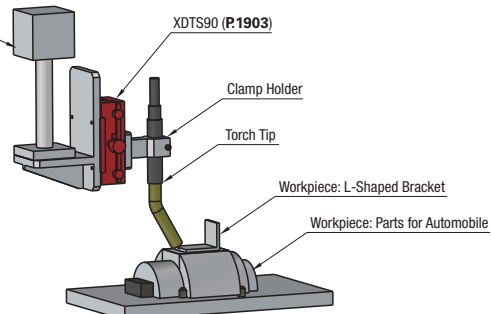
Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Weight (kg)	Unit Price
ZDTLS 80	30x50	±30	16.7	14.7	50µm	0.16	
100		±35			60µm	0.19	
150		±65			60µm	0.24	

Resolution (Vernier Scale Indication): 0.1mm/division

Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P.2004

Ordering Example Part Number ZDTLS100

Example Welding Head Tip Adjustment Unit Lift Cylinder

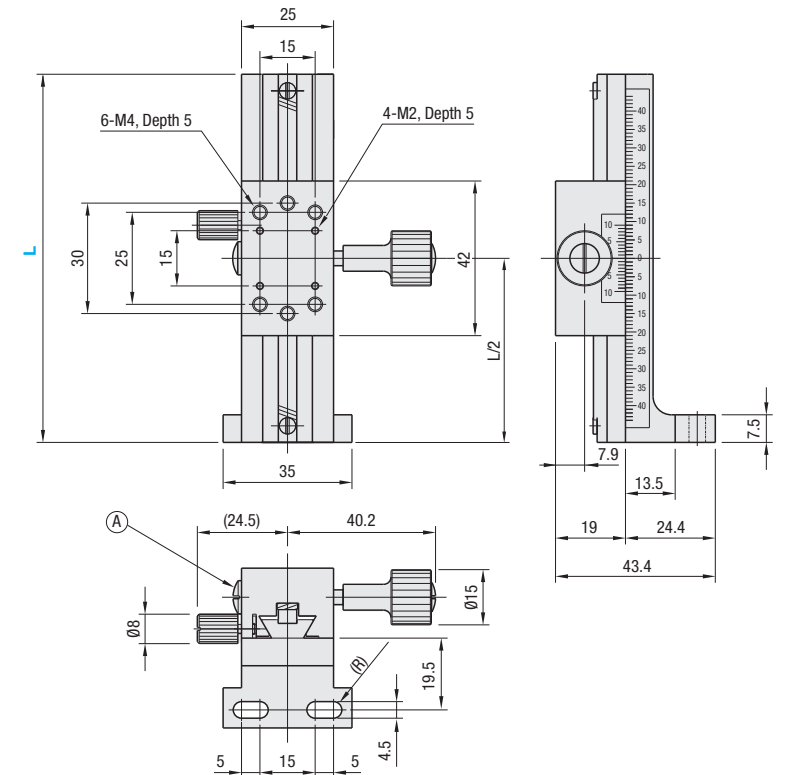
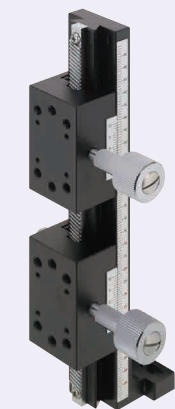


Assuring Repeatability: Adjustment by a stage not by a clamp holder secures repeatability preventing misalignment of the torch.

Features: Long stroke stages made of lightweight aluminum alloy. Length is selectable in accordance with the stroke required.

## Z-Axis, Long

### ZLWG (L=50, 70, 100, 150, 150-2)



The scale shown is for L100. Scales will be different for L50, L70, L150, and L150-2.  
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.  
See the CAD data for details.

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

X-Axis P.1904

Standard Stages Similar Products (available for limited sizes only): ZDTLS (P.1955)

Part Number	L	Number of Blocks	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Weight (kg)	Unit Price
ZLWG	50	1	±15	18	14.7	30µm	0.120	
	70	1	±25				0.135	
	100	1	±40				0.160	
	150	1	±65			0.215		
	150-2	2	±44			0.285		

Resolution (Vernier Scale Indication): 0.1mm/division

Knob Cover HDCVR15 (Sold Separately): Dovetail Stage Ø15 knobs can be increased in diameter by installing the cover. P.2004

ZLWG150-2 has two blocks. Please note that the stroke distances will be shorter than the one block versions.

Ordering Example Part Number ZLWG100