



[High Precision] Dovetail Slide Rack & Pinion Type

-Long-

Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

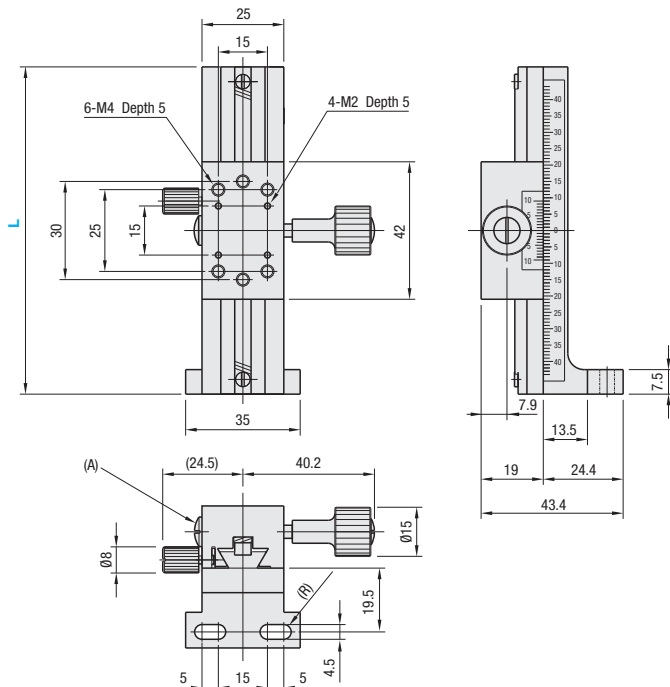
CAD Data

Features: Lightweight long stages made of aluminum alloy. Length selectable in accordance with the stroke required.

Z-Axis Long

RoHS

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



① The scale shown is for L100. Scales will be different for L50, L70, L150, and L150-2.
 ② By turning the preload adjustment screw (A) clockwise with a flathead screw driver, the carriage motion becomes resilient, and by turning counterclockwise the carriage motion becomes quick and smooth.
 ③ See CAD data for detailed dimensions.
 M Material: Aluminum Alloy
 S Surface Treatment: Black Anodize
 A Accessories: Included: CBST4-12 (2pcs.)

Part Number	L	Number of Blocks	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy Straightness	Weight (kg)	€ Unit Price Qty. 1~9
ZLWG	50	1	±15	18	14.7	30µm	0.120	
	70	1	±25					
	100	1	±40					
	150	1	±65			40µm	0.215	
	150-2	2	±44					

④ Resolution (Vernier Scale Indication) : 0.1mm/division
 ⑤ Knob cover HDCVR15 (Sold separately): Increases knob diameter by simply putting on Ø15 adjustment screws of dovetail stages. P.1615
 ⑥ ZLWG150-2 has two blocks. Please note that travel distance for each block will be shorter.
 ⑦ Can be combined with Dovetail Slide Stages on (P.1623~1626, 1628, 1631~1633), REG (P.1691)

Order Example
 Part Number **ZLWG100**
 Days to Ship **6 Days** P.87



[High Precision] Dovetail Slide Feed Screw

-Basic / Extended Handle (4.2mm)-

Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

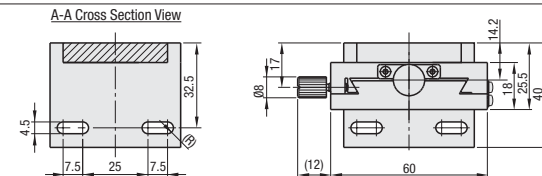
CAD Data

Features: Low Profile Dovetail Slide Stages with a smooth feeding 4.2mm lead.

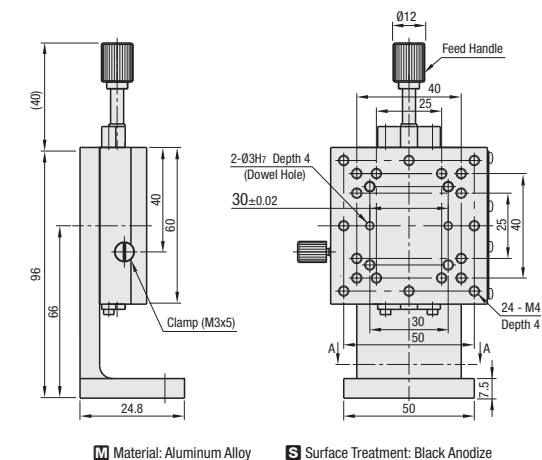
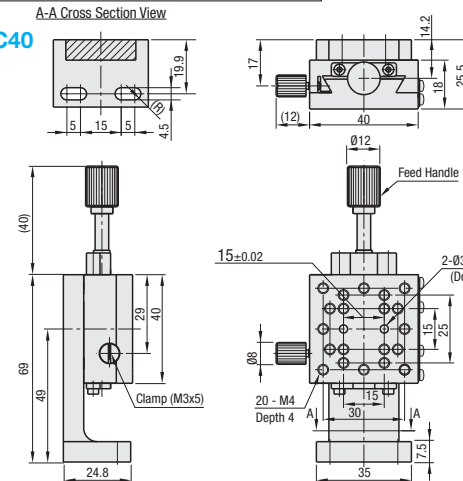
Z-Axis Square Basic

RoHS

ZSC60



ZSC40



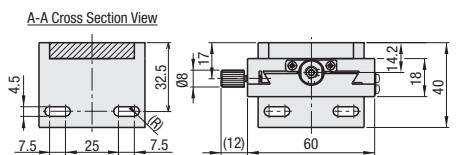
M Material: Aluminum Alloy
 S Surface Treatment: Black Anodize

Features: ZSC handle can be extended for larger work pieces and hard to reach installations.

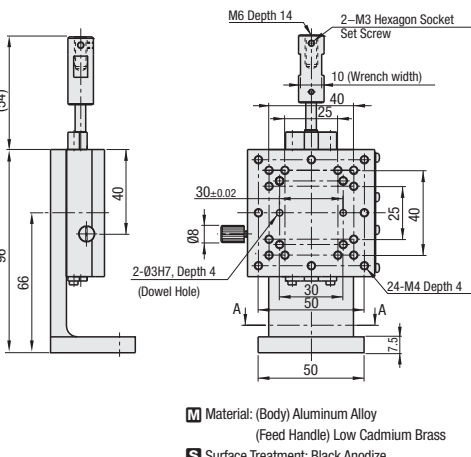
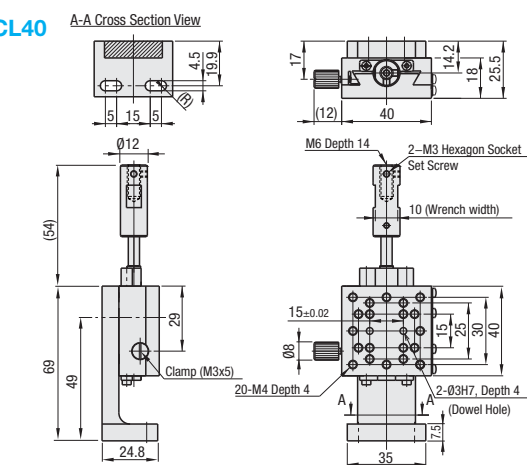
Z-Axis Extended Handle

RoHS

ZSCL60



ZSCL40



M Material: (Body) Aluminum Alloy
 (Feed Handle) Low Cadmium Brass
 S Surface Treatment: Black Anodize

Part Number	Stage (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm) Straightness	Weight (kg)	Accessories Type M-L	€ Unit Price Qty. 1~4
ZSC	40	40x40	±11	9.8	20	0.16	CBST4-12 (2pcs.)	
	60	60x60	±21	14.7	30	0.31	CBST4-12 (2pcs.)	
ZSCL	40	40x40	±11	9.8	20	0.15	SCB4-14 (2pcs.)	
	60	60x60	±21	14.7	30	0.28	SCB4-14 (2pcs.)	

④ Resolution (Vernier Scale Indication) : 0.1mm/division
 ⑤ Extension cover HDEXT12 (Sold separately): Ø12 feed screw knob can be extended. P.1638
 ⑥ XY-Axis Mounting Plate XPLTE: Use this plate when connecting stages with non-matching mounting holes. P.1624

Order Example Part Number **ZSC40** Days to Ship **10 Days** Alterations Part Number - (R) **ZSC40 - R**

One Point: Handle Extension Method

Handle length and diameter can be increased by utilizing the M6, Depth 14 tapped hole.
 (Example) Seven Lobed Knob Z-P.1031 NKSMB-30 can be mounted to extend the handle by 36mm further.
 Use an adhesive to retain the cover to the handle.

⑦ For orders larger than indicated quantity, please request a quotation.

Alteration	Handle Position Change (Left/Right Reversed)
Spec.	ZSC -R ZSCL -R

Code **R**

Price Adder **Free of Charge**

Refer to data on CAD for dimension details.