

[High Precision] Dovetail Feed Screw Stages


Z-Axis Rectangular Standard/ Reinforced Clamp / Low Profile (Lead 4.2 mm)

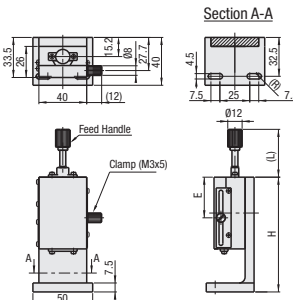
Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

Z-Axis Rectangular Standard
(Lead 4.2 mm)

RoHS 10

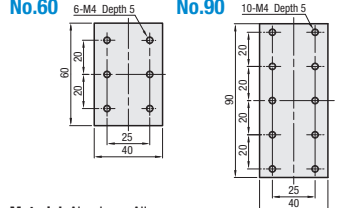
ZSL60, 90





Upper Mounting Hole Dimensions

No.60 6-M4 Depth 5 **No.90** 10-M4 Depth 5



Material: Aluminum Alloy
Surface Treatment: Black Anodize


Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	H	(L)	E	Load Capacity (N)	Travel Accuracy (µm) Straightness	Weight (kg)	Accessories (2 pcs.)	
											Type M-L	CBST4-12
ZSL	60	60 x 40	±21	4.2	96	40	26	19.6	30	0.33	Type M-L	CBST4-12
	90	90 x 40	±35		140	60	41					

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Extension Cover HDEXT12 (Sold Separately): extends Ø 12 feed screw knob. P.2035
- Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.2022

Part Number Example	Part Number
	ZSL60

Part Number Alterations


Part Number - (R)
ZSL60 - R

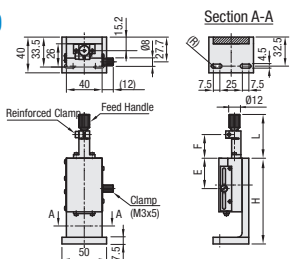
Alteration	Spec.	Code
Knob Position (Left/Right Reversed)		R

Z-Axis Reinforced Clamp
(Lead 4.2 mm)

RoHS 10

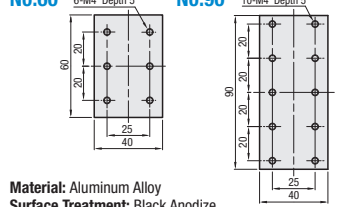
ZSLCL60, 90





Upper Mounting Hole Dimensions

No.60 6-M4 Depth 5 **No.90** 10-M4 Depth 5



Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	H	(L)	E	F	Load Capacity (N)	Travel Accuracy (µm) Straightness	Weight (kg)	Accessories (2 pcs.)	
												Type M-L	CBST4-12
ZSLCL	60	60 x 40	±21	4.2	96	49	34	26.5	19.6	30	0.32	Type M-L	CBST4-12
	90	90 x 40	±35		140	63	49	40.5					


- Resolution (Vernier Scale Indication): 0.1 mm/division
- Extension Cover HDEXT12 (Sold Separately): extends Ø 12 feed screw knob. P.2035
- Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.2022
- There will be residual clearances with carriage retaining when using only a Reinforced Clamp. Use in combination with a Clamp Screw.

Part Number Example	Part Number
	ZSLCL60

See the CAD data for the details.

Part Number Alterations


Part Number - (R)
ZSLCL60 - R

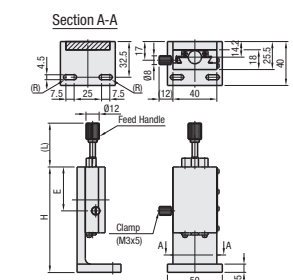
Alteration	Spec.	Code
Knob Position (Left/Right Reversed)		R

Z-Axis Low Profile
(Lead 4.2 mm)

RoHS 10

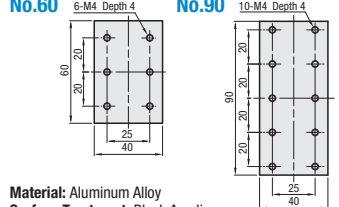
ZSLC60, 90





Upper Mounting Hole Dimensions

No.60 6-M4 Depth 4 **No.90** 10-M4 Depth 4



Material: Aluminum Alloy
Surface Treatment: Black Anodize


Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	H	(L)	E	Load Capacity (N)	Travel Accuracy (µm) Straightness	Weight (kg)	Accessories (2 pcs.)	
											Type M-L	CBST4-12
ZSLC	60	60 x 40	±21	4.2	96	40	35	14.7	30	0.27	Type M-L	CBST4-12
	90	90 x 40	±35		140	60	40					

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Extension Cover HDEXT12 (Sold Separately): extends Ø 12 feed screw knob. P.2035
- Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.2022

Part Number Example	Part Number
	ZSLC90

Part Number Alterations

Part Number - (R)
ZSLC60 - R

Alteration	Spec.	Code
Knob Position (Left/Right Reversed)		R


[High Precision] Dovetail Feed Screw Stages

Z-Axis Standard / Hex Wrench Drive (Pitch 0.5 mm)

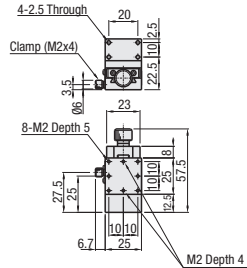
Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

Z-Axis Standard
(Pitch 0.5 mm)

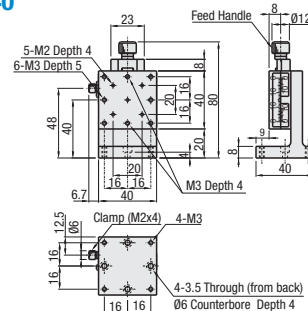
RoHS 10



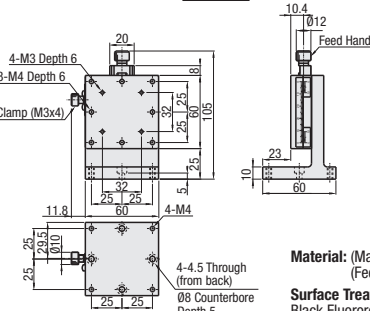
ZEG25



ZEG40



ZEG60



Material: (Main Body) Low Cadmium Brass
(Feed Knob) Aluminum
Surface Treatment: Black Fluororesin Treatment

Standard Stages Similar Products: ZFES P.2082


Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Straightness	Accessories (4 pcs.)		
							Type M-L	SCB2-8	
ZEG	25	25 x 25	±5	0.5	9.8	30µm	Type M-L	SCB2-8	
	40	40 x 40	±7						0.09
	60	60 x 60	±9						0.26
								0.75	

- Resolution (Vernier Scale Indication): 0.1 mm/division

Part Number Example	Part Number
	ZEG25

Part Number Alterations


Part Number - (R)
ZEG25 - R

Alteration	Spec.	Code
Clamp Position (Left/Right Reversed)		R

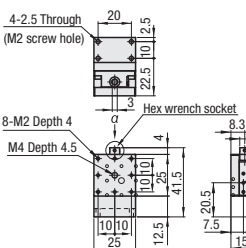
See the CAD data for the details.

Z-Axis Hex Wrench Drive
(Pitch 0.5 mm)

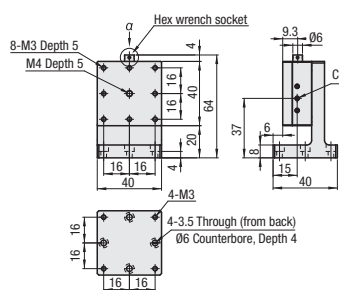
RoHS 10



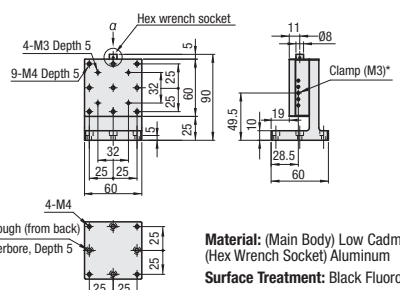
ZEEG25



ZEEG40



ZEEG60



Material: (Main Body) Low Cadmium Brass
(Hex Wrench Socket) Aluminum
Surface Treatment: Black Fluororesin Treatment

A tapped hole in the center can be used as a clamp by using an included hex socket set screw. Other tapped holes on the side are for factory preload adjustments and sealed, thus cannot be used.

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Straightness	Accessories (4 pcs.)		
							Type M-L	SCB2-8	
ZEEG	25	25 x 25	±3	0.5	9.8	20µm	Type M-L	SCB2-8	
	40	40 x 40	±5						0.08
	60	60 x 60	±7						0.29
								0.67	

- Resolution (Vernier Scale Indication): 0.1 mm/division (ZEEG has no vernier scale).

Part Number Example	Part Number
	ZEEG60