

[High Precision] Square Dovetail, Feed Screw Stages

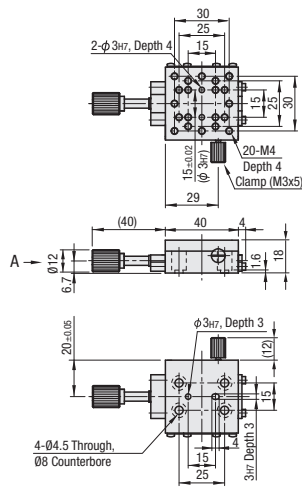
X-Axis Square Standard / Handle Extension (with dowel holes – Lead 4.2 mm)

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

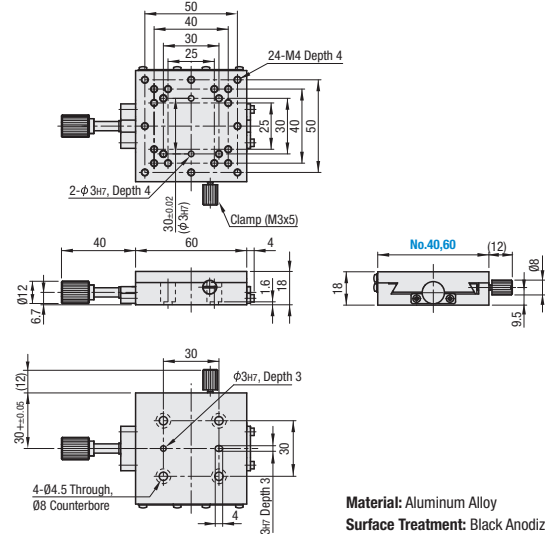
X-Axis Square Standard
(with Dowel Holes – Lead 4.2 mm)



XSC40



XSC60



Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessories (4 pcs.) Type M-L
					Horizontal	Vertical	Straightness	Parallelism		
XSC	40	40 x 40	±11	4.2	19.6	9.8	20 µm	30 µm	0.10	SCB4-5
	60	60 x 60	±21		29.4	14.7				

Resolution (Vernier Scale Indication): 0.1 mm/division

Part Number Example: **XSC40**

Part Number Alterations: **XSC40 - R**

Alteration: Knob Position Change (Left / Right Reversed)

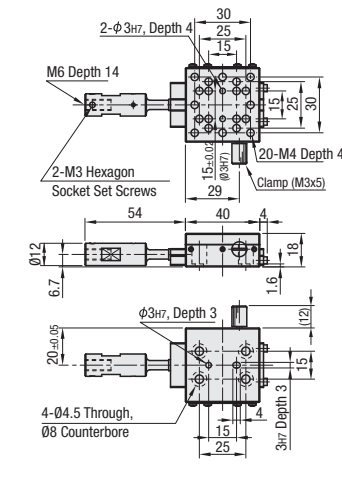
Spec.

Code: **R**

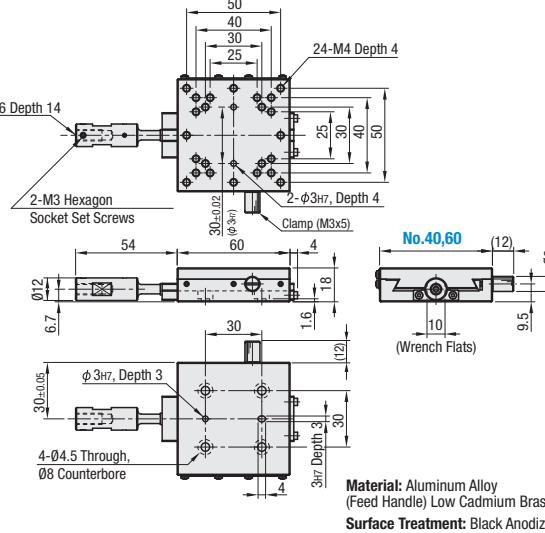
X-Axis Handle Extension
(with Dowel Holes – Lead 4.2 mm)



XSCL40



XSCL60



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

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessory (4 pcs.) Type M-L
					Horizontal	Vertical	Straightness	Parallelism		
XSCL	40	40 x 40	±11	4.2	19.6	9.8	20 µm	30 µm	0.10	SCB4-6
	60	60 x 60	±21		29.4	14.7				

Resolution (Vernier Scale Indication): 0.1 mm/division

Adjustable Plate XPLT: Use this plate when connecting stages with non-matching mounting holes. P.2022

Part Number Example: **XSCL60**

Part Number Alterations: **XSCL60 - R**

Alteration: Knob Position Change (Left / Right Reversed)

Spec.

Code: **R**

See the CAD data for details.

[High Precision] Rectangular Dovetail, Feed Screw Stages

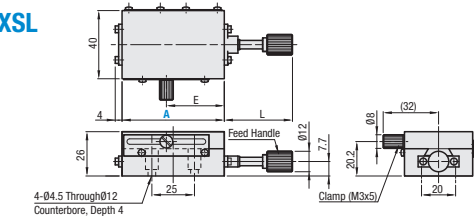
X-Axis Rectangular Standard / Clamp Reinforcement / Low Profile (Lead 4.2 mm)

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

X-Axis Rectangular Standard
(Lead 4.2 mm)



XSL

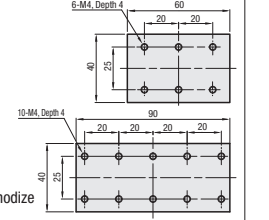


Upper Mounting Hole Dimensions

A60

A90

Material: Aluminum Alloy
Surface Treatment: Black Anodize



Part Number Type	A	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	L	E	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessories (4 pcs.) Type M-L
							Horizontal	Vertical	Straightness	Parallelism		
XSL	60	40 x 60	±21	4.2	40	34	39.2	19.6	30 µm	30 µm	0.20	SCB4-8
	90	40 x 90	±35		60	49			0.29			

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.2035
- Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.2022

Part Number Example: **XSL60**

Part Number Alterations: **XSL60 - R**

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

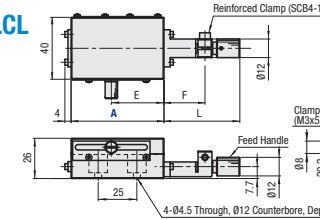
Code: **R**

See the CAD data for details.

X-Axis Clamp Reinforcement
(Lead 4.2 mm)



XSLCL



Upper Mounting Hole Dimensions

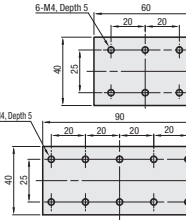
A60

A90

Application Example

Improved retention force over the Basic Type is obtained by tightening the reinforced Clamp with a hex wrench.

Material: Aluminum Alloy
Surface Treatment: Black Anodize



Part Number Type	A	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	L	E	F	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessories (4 pcs.) Type M-L
								Horizontal	Vertical	Straightness	Parallelism		
XSLCL	60	40 x 60	±21	4.2	49	34	26.5	39.2	19.6	30 µm	30 µm	0.18	SCB4-8
	90	40 x 90	±35		63	49	40.5			0.26			

- Min. reading (Vernier Scale Indication) : 0.1 mm/division
- Extension Cover HDEXT12 (Sold separately) Ø12 feed screw handle can be extended. P.2035
- Adapter Plates XPLT: Use this plate when connecting stages with non-matching mounting holes. P.2022

Part Number Example: **XSCL60**

Part Number Alterations: **XSLCL60 - R**

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: **R**

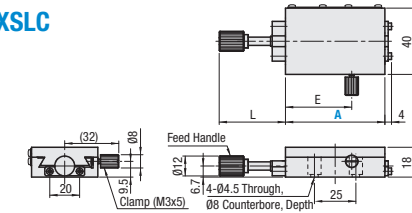
The reinforced clamp and the clamp screw are tightened in the same direction.

See the CAD data for details.

X-Axis Low Profile
(Lead 4.2 mm)



XSLC

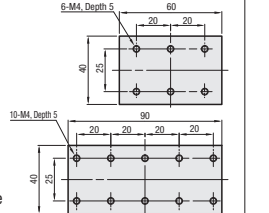


Upper Mounting Hole Dimensions

A60

A90

Material: Aluminum Alloy
Surface Treatment: Black Anodize



Part Number Type	A	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	L	E	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessories (4 pcs.) Type M-L
							Horizontal	Vertical	Straightness	Parallelism		
XSLC	60	40 x 40	±11	4.2	40	40	29.4	14.7	30 µm	30 µm	0.14	SCB4-5
	90	40 x 90	±35		60	55			0.19			

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.2035
- Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.2022

Part Number Example: **XSLC90**

Part Number Alterations: **XSLC90 - R**

Alteration: Knob Position Change (Left / Right Reversed)

Spec.

Code: **R**

See the CAD data for details.

See the CAD data for details.