


# [High Precision] Dovetail Slide, Feed Screw

## Rectangular / Low Profile / Reinforced Clamp (Lead 4.2mm)

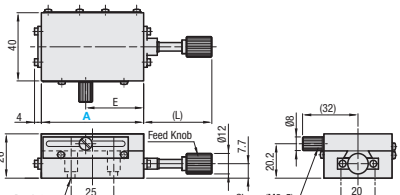
■ **Features:** Dovetail Slide Stages with smooth 4.2mm lead feed screw. Reinforced Clamp Type, Low Profile Type (18mm height), and Left/Right Reversed Type are offered. Square type (XSC) listed on P.1899

■ **X-Axis, Rectangular**  
(Lead 4.2mm)



XY-Axis P.1936  
Z-Axis P.1960

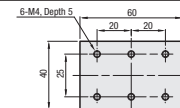
**XSL**



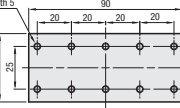
4-Ø4.5 Through, Ø12 Counterbore, Depth 12.2  
Feed Knob  
Clamp (M3x5)

· **Upper Mounting Hole Dimensions**

**A60**



**A90**



6-M4, Depth 5  
10-M4, Depth 5

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

⚡ Standard Stages Similar Products: XFHT (P.1896)

Part Number	Type	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	(L)	E	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessory (4 pcs.) Type M-L	Unit Price
							Horizontal	Vertical	Straightness	Parallelism			
<b>XSL</b>	60	40x60	±21	4.2	40	34	39.2	19.6	30µm	30µm	0.20	SCB4-8	
	90	40x90	±35		60	49							

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

⚡ Extension Cover HDEXT12 (sold separately): Ø12 knob can be extended. P.2004

⚡ Adjustable Plate XPLT: Use this plate when connecting stages with non-matching mounting holes. P.1915

Ordering Example

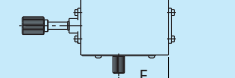
Part Number  
**XSL60**

Alterations

Part Number - (R)  
**XSL60 - R**

⚡ See the CAD data for details.


**Alteration**    **Clamp Position Change (Right/Left Reversed)**

**Spec.** 

**Code**    **R**

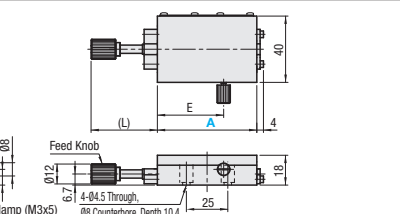
■ **Features:** Travel distance per knob rotation is approx. 1/4 of the Rack & Pinion Type. Suitable for fine pitch positioning over a long stroke.

■ **X-Axis, Low Profile**  
(Lead 4.2mm)



XY-Axis P.1936  
Z-Axis P.1960

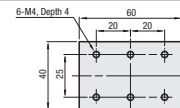
**XSLC**



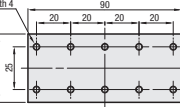
4-Ø4.5 Through, Ø8 Counterbore, Depth 10.4  
Feed Knob  
Clamp (M3x5)

· **Upper Mounting Hole Dimensions**

**A60**



**A90**



6-M4, Depth 4  
10-M4, Depth 4

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Part Number	Type	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	(L)	E	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessory (4 pcs.) Type M-L	Unit Price
							Horizontal	Vertical	Straightness	Parallelism			
<b>XSLC</b>	60	40x60	±21	4.2	40	40	29.4	14.7	30µm	30µm	0.19	SCB4-5	
	90	40x90	±35		60	55							

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

⚡ Extension Cover HDEXT12 (sold separately): Ø12 knob can be extended. P.2004

⚡ Adjustable Plate XPLT: Use this plate when connecting stages with non-matching mounting holes. P.1915

Ordering Example

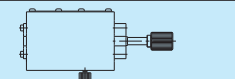
Part Number  
**XSLC90**

Alterations

Part Number - (R)  
**XSLC90 - R**

⚡ See the CAD data for details.


**Alteration**    **Knob Position Change (Left/Right Reversed)**

**Spec.** 

**Code**    **R**

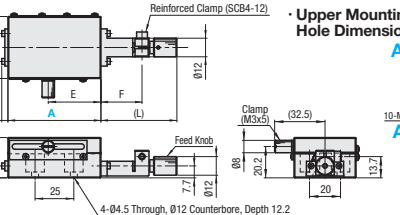
■ **Features:** The feed knob is directly retained with a split clamp, resulting in less position drift.

■ **X-Axis, Reinforced Clamp**  
(Lead 4.2mm)



XY-Axis P.1936  
Z-Axis P.1960

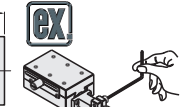
**XSLCL**



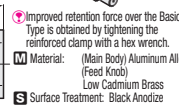
4-Ø4.5 Through, Ø12 Counterbore, Depth 12.2  
Feed Knob  
Reinforced Clamp (SCB4-12)  
Clamp (M3x5)

· **Upper Mounting Hole Dimensions**

**A60**



**A90**



6-M4, Depth 5  
10-M4, Depth 5

Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Part Number	Type	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	(L)	E	F	Load Capacity (N)		Travel Accuracy		Weight (kg)	Accessory (4 pcs.) Type M-L	Unit Price
								Horizontal	Vertical	Straightness	Parallelism			
<b>XSLCL</b>	60	40x60	±21	4.2	49	34	26.5	39.2	19.6	30µm	30µm	0.18	SCB4-8	
	90	40x90	±35		63	49	40.5							

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

⚡ Extension Cover HDEXT12 (sold separately): Ø12 knob can be extended. P.2004

⚡ Adjustable Plate XPLT: Use this plate when connecting stages with non-matching mounting holes. P.1915

Ordering Example

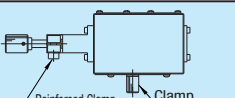
Part Number  
**XSLCL60**

Alterations

Part Number - (R)  
**XSLCL60 - R**

⚡ See the CAD data for details.

**Alteration**    **Clamp Position Change (Right/Left Reversed)**

**Spec.** 

**Code**    **R**

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