

# [High Precision] Dovetail, Slide Screw Stages

XY-Axis Square Standard / Extended Handles (with Dowel Holes – Lead 4.2 mm)

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

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

**RoHS10**

**XYSC40**

**XYSC60**

**XYSC40, 60 (Common)**

**Material:** Aluminum Alloy  
**Surface Treatment:** Black Anodize

Standard Stages with Similar Specifications: Combination of XFHT

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L
						Straightness	Parallelism		
<b>XYSC</b>	<b>40</b>	40 x 40	±11	4.2	14.7	20	30	0.20	SCB4-5
	<b>60</b>	60 x 60	±21		24.5	30	0.38		

Resolution (Vernier Scale Indication): 0.1 mm/division

Extension Cover HDEXT12 (Sold Separately): Ø12 Feed Screw knob can be extended. P.2035

Part Number Example **XYSC60**

Part Number Alterations **XYSC40 - R**

Alteration	Knob Position Change (Right/Left Reversed)
Spec.	
Code	<b>R</b>

**XY-Axis Extended Handles**  
(with Dowel Holes – Lead 4.2 mm)

**XY-Axis Extended Handles**  
(with Dowel Holes – Lead 4.2 mm)

**RoHS10**

**XYSC40**

**XYSC60**

**XYSC40, 60 (common)**

**Material:** (Main Body) Aluminum Alloy (Feed Knob) 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 (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L
						Straightness	Parallelism		
<b>XYSC</b>	<b>40</b>	40 x 40	±11	4.2	18.6	30	30	0.21	SCB4-6
	<b>60</b>	60 x 60	±21		17.7	30	0.39		

Resolution (Vernier Scale Indication) : 0.1 mm/division

Part Number Example **XYSC40**

Part Number Alterations **XYSC40 - R**

Alteration	Knob Position Change (Right/Left Reversed)
Spec.	
Code	<b>R</b>

# [High Precision] Dovetail, Feed Screw Stages

XY-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

**XY-Axis Rectangular Standard**  
(Lead 4.2 mm)

**RoHS10**

**XYSL**

**Stage Top Mounting Hole Dimensions**

**No.60**

**No.90**

**Material:** Aluminum Alloy  
**Surface Treatment:** Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	(L)	E	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L
								Straightness	Parallelism		
<b>XYSL</b>	<b>60</b>	40 x 60	±21	40	34	4.2	34.3	30	30	0.45	SCB4-8
	<b>90</b>	40 x 90	±35	60	49						

Resolution (Vernier Scale Indication): 0.1 mm/division

Extension Cover HDEXT12 (Sold Separately): Ø12 Feed Screw knob can be extended. P.2035

Part Number Example **XYSL60**

Part Number Alterations **XYSL90 - R**

Alteration	Knob Position Change (Left/Right Reversed)
Spec.	
Code	<b>R</b>

**XY-Axis Reinforced Clamp**  
(Lead 4.2 mm)

**XY-Axis Reinforced Clamp**  
(Lead 4.2 mm)

**RoHS10**

**XYSLCL**

**Stage Top Mounting Hole Dimensions**

**No.60**

**No.90**

**Material:** Aluminum Alloy  
**Surface Treatment:** Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	(L)	E	F	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L
									Straightness	Parallelism		
<b>XYSLCL</b>	<b>60</b>	40 x 60	±21	49	34	26	4.2	37.4	30	30	0.37	SCB4-8
	<b>90</b>	40 x 90	±35	63	49	40.5						

Resolution (Vernier Scale Indication): 0.1 mm/division

Extension Cover HDEXT12 (Sold Separately): Ø12 Feed Screw knob can be extended. P.2035

Part Number Example **XYSLCL90**

Part Number Alterations **XYSLCL60 - R**

Alteration	Knob Position Change (Left/Right Reversed)
Spec.	 Ⓢ The reinforced clamp and the clamp screw are tightened in the same direction.
Code	<b>R</b>

**XY-Axis Low Profile**  
(Lead 4.2 mm)

**XY-Axis Low Profile**  
(Lead 4.2 mm)

**RoHS10**

**XYSLC**

**Stage Top Mounting Hole Dimensions**

**No.60**

**No.90**

**Material:** Aluminum Alloy  
**Surface Treatment:** Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	(L)	E	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L
								Straightness	Parallelism		
<b>XYSLC</b>	<b>60</b>	40 x 60	±21	40	40	4.2	24.5	30	30	0.33	SCB4-5
	<b>90</b>	40 x 90	±35	60	55						

Resolution (Vernier Scale Indication): 0.1 mm/division

Extension Cover HDEXT12 (Sold Separately): Ø12 Feed Screw knob can be extended. P.2035

Part Number Example **XYSLC60**

Part Number Alterations **XYSLC90 - R**

Alteration	Knob Position Change (Left/Right Reversed)
Spec.	 Ⓢ The reinforced clamp and the clamp screw are tightened in the same direction.
Code	<b>R</b>