

[High Precision] Dovetail Slide, Feed Screw

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

Other Information about Stages
 Stage Selection Table P.1639, P.1640
 New Products P.1641
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 Overview, Technical Information P.1643, P.1644

Feature: 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. For Square Type (XSC), see P.1672.

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

XSL

Upper Mounting Hole Dimensions
A60
A90

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Ordering Example: XY-Axis P.1691, Z-Axis P.1706

Part Number Type	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	Unit Price 1-9 pc(s).
						Horizontal	Vertical	Straightness	Parallelism			
XSL	60	40x60	±21	40	34	39.2	19.6	30µm	30µm	0.20	SCB4-8	
	90	40x90	±35	60	49					0.29		

Resolution (Vernier Scale Indication): 0.1mm/division
 Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.1683
 Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.1664

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

Price Adder

Ordering Example: XSL60

Days to Ship: Configure Online

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

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

XSLCL

Upper Mounting Hole Dimensions
A60
A90

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Ordering Example: XY-Axis P.1691, Z-Axis P.1706

Part Number Type	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	Unit Price 1-9 pc(s).
							Horizontal	Vertical	Straightness	Parallelism			
XSLCL	60	40x60	±21	49	34	26.5	39.2	19.6	30µm	30µm	0.18	SCB4-8	
	90	40x90	±35	63	49	40.5				0.26			

Resolution (Vernier Scale Indication): 0.1mm/division
 Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.1683
 Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.1664

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

Price Adder

Ordering Example: XSLCL60

Days to Ship: Configure Online

Feature: 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) **RoHS**

XSLC

Upper Mounting Hole Dimensions
A60
A90

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Ordering Example: XY-Axis P.1691, Z-Axis P.1706

Part Number Type	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	Unit Price 1-9 pc(s).
						Horizontal	Vertical	Straightness	Parallelism			
XSLC	60	40x60	±21	40	40	29.4	14.7	30µm	30µm	0.14	SCB4-5	
	90	40x90	±35	60	55					0.19		

Resolution (Vernier Scale Indication): 0.1mm/division
 Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.1683
 Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.1664

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

Price Adder

Ordering Example: XSLC90

Days to Ship: Configure Online

[High Precision] Dovetail Slide, Feed Screw / XY Joint Plates

Compact Carriage / Low Profile (Lead 4.2mm)

Other Information about Stages
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 Overview, Technical Information P.1643, P.1644

Feature: Dovetail Slide Stages with smooth 4.2mm lead feed screw. Compact and space saving (24.8mm width) compared to the Rectangle Type XSL on P.1673.

X-Axis, Compact Carriage, Low Profile (Lead 4.2mm) **RoHS**

XSSL

Upper Mounting Hole Dimensions
A40
A50
A100

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Ordering Example: XY-Axis P.1691, Z-Axis P.1706

Part Number Type	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	L	E	Load Capacity (N)		Travel Accuracy (µm)		Weight (kg)	Accessories (4 pcs.) Type M-L	Unit Price 1-9 pc(s).
						Horizontal	Vertical	Straightness	Parallelism			
XSSL	40	24.8x42	±12	40	25	29.4	14.7	20	30	0.11	SCB4-8	4
	50	24.8x50	±16	40	29			20	30	0.12		
	100	24.8x100	±40	60	54	39.2	19.6			0.22		

Resolution (Vernier Scale Indication): 0.1mm/division
 Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.1683
 Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.1664

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

Price Adder

Ordering Example: XSSL50

Days to Ship: Configure Online

Feature: 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, Compact Carriage, Low Profile (Lead 4.2mm) **RoHS**

XSSLC

Upper Mounting Hole Dimensions
A60
A90

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Ordering Example: XY-Axis P.1691, Z-Axis P.1706

Part Number Type	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	Unit Price 1-9 pc(s).
XSSLC	40	24.8x42	±12	19.6	9.8	0.08	SCB4-6	4

Resolution (Vernier Scale Indication): 0.1mm/division
 Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.1683
 Adjustable Plate XPLT: Utilize when connecting stages with non-matching mounting holes. P.1664

Alteration: Knob Position Change (Left / Right Reversed)

Spec.

Code: R

Price Adder

Ordering Example: XSSLC40

Days to Ship: Configure Online

Feature: Joint plates for combining two stages. Reversed knob types and different feed systems can be combined.

XY-Axis Joint Plates **RoHS**

Material: Aluminum Alloy
 Surface Treatment: Black Anodize

Part Number Type	No.	Accessories Type M-L	Unit Price 1-9 pc(s).	Compatible Stages			
				Bottom	Top	XSSL XSSLC	XSL XSB
XJP	25	SCB4-6 (4 pcs.)		XJP36	-	-	XJP25
	36	SCB4-6 (4 pcs.) SCB3-6 (4 pcs.)		-	XJP40	-	-
	40	SCB4-6 (8 pcs.)		XJP36	-	-	XJP25
				XWG40 (P.1663)	XJP36	-	XJP25
				XWG60, 90, 140 (P.1663)	-	XJP40	-

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