

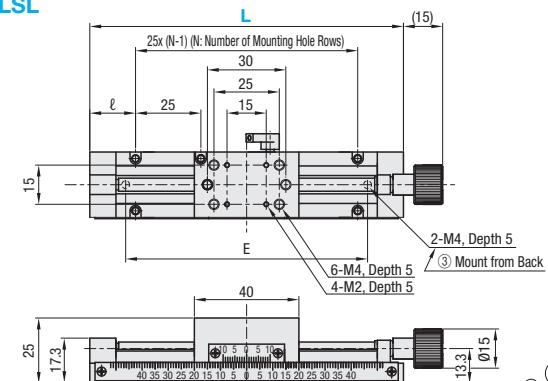
[High Precision] Dovetail Slide, Feed Screw

Long (Selectable lead) / Compact Carriage (Lead 4.2mm)

■ Features: Dovetail Slide Feed Screw stage with selectable screw lead in 2mm, 5mm, 10mm. Long strokes equivalent of Rack & Pinion stages. Also suitable for vertical uses.

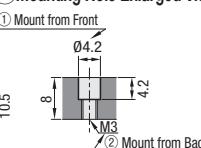
■ X-Axis Long (Selectable lead type)

XSL



- ① Mount from Top Use M2 screws.
- ② Mount from Bottom Use M3 screws.
- ③ Mount from Back Use M4 screws.

④ Mount Hole Enlarged View



M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

Z-Axis P1959 RoHS10

The scale in the above figure is for L120, and not for L90/150.

The external dimensions will be the same if L is the same, even if the move distance per knob rotation is different.

Part Number	Travel per Rotation (mm)	Travel Distance (mm)	L	N	Number of Mounting Holes (Nz2)	ℓ (mm)	E (mm)	Load Capacity (N)	Travel Accuracy (μm)	Weight (kg)	Unit Price
Type	No.							Horizontal	Vertical	Strangeness	Parallelism
XSL	90	2									
		5	±27	90	3	6	20	55			
		10									
	120	2									
		5	±42	120	4	8	22.5	80	29.4	14.7	
		10									
	150	5	±57	150	5	10	25	110			
		10									

Resolution (Vernier Scale Indication): 0.1mm/division

Knob Cover HCDVR15 (Sold Separately): 015 knobs can be increased in diameter by installing the cover. P2004

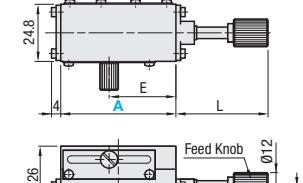
Adjustable Plate XPL140: Use this plate when connecting stages with non-matching mounting holes. P1915

Ordering Example XSL90-5

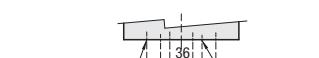
■ Features: Smooth feeding dovetails slide stages in 4.2mm lead. A space saving slim shape (24.8mm width) compared to rectangle type XSL (P1900).

■ X-Axis, Compact Carriage (Lead 4.2mm)

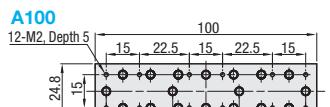
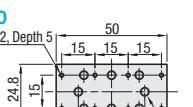
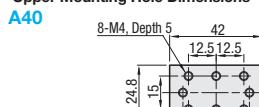
XSSL



For No.100, tapped mounting holes are as shown below.



• Upper Mounting Hole Dimensions



M Material: Aluminum Alloy S Surface Treatment: Black Anodize

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	L	E	Load Capacity (N)	Travel Accuracy (μm)	Weight (kg)	Accessory Type M-L	Unit Price
Type	A					Horizontal	Vertical	Strangeness	Parallelism	
XSSL	40	24.8x42	±12		40	25	29.4	14.7	20	0.11 SCB4-8 SCB3-6 4
	50	24.8x50	±16		40	29			30	0.12 SCB4-8 SCB3-6 8
	100	24.8x100	±40		60	54	39.2	19.6		0.22 SCB4-8 SCB3-6 4

Resolution (Vernier Scale Indication): 0.1mm/division

Knob Cover HCDVR15 (Sold Separately): 012 feed screw knob can be extended. P2004

Adjustable Plate XPL140: Use this plate when connecting stages with non-matching mounting holes. P1915

Ordering Example XSSL50

[High Precision] X-Axis Dovetail Slide, Feed Screw / [Simplified Adjustments] X-Axis Rack & Pinion

Compact Carriage, Low Profile (Lead 4.2mm) / Standard

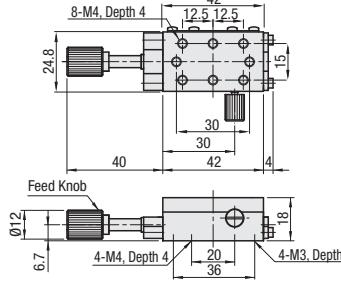
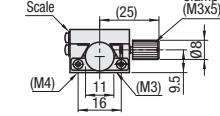
■ Features: Travel distance per knob rotation is approx. 1/4 of the Rack & Pinion Type. Suitable for fine pitch positioning over a long stroke.

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

XSSLC



XSSLC



M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (μm)	Weight (kg)	Accessory Type M-L	Unit Price	
Type	No.	(mm)	(mm)	Horizontal	Vertical	Strangeness	Parallelism		
XSSLC	40	24.8x42	±12	4.2	19.6	9.8	30	30	0.08 SCB4-6 4

Resolution (Vernier Scale Indication): 0.1mm/division

Extension Cover HDEXT12 (Sold Separately): 012 feed screw knob can be extended. P2004

Adjustable Plate XPL140: Use this plate when connecting stages with non-matching mounting holes. P1915

Ordering Example XSSLC40

Alterations Part Number - (R)
XSSL40 - R

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

■ Features: Simplified construction stages with large rapid feeds. Select from Standard or Precision grades based on application needs.

■ Standard Grade XKRG



■ Precision Grade XKRKG

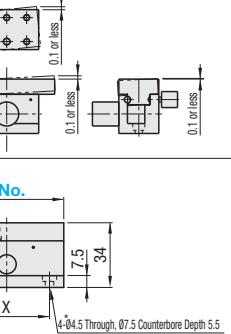
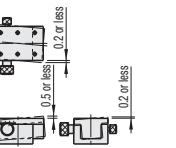


■ Accuracy Standards

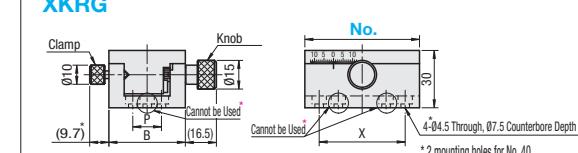
There are some mechanical clearances as shown below, and not recommended for positioning applications requiring accuracies.

Standard Grade XKRG

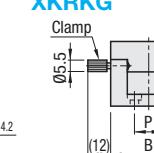
Precision Grade XKRKG



XKRG

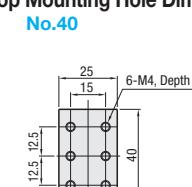


XKRKG

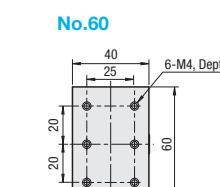


■ Stage Top Mounting Hole Dimensions

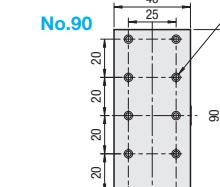
No.40



No.60



No.90



* XKRG40/60 counterbored holes are not available for use since they are covered by the table plate. (For XY mounting)

Part Number	Stage Surface (mm)	Travel Distance (mm)	B	X	P	Load Capacity (N)	Weight (kg)	Unit Price
Type	No.	(mm)				Horizontal	Vertical	
XKRG XKRKG	40	25x40	±12	25	31	-	29.4	0.10
	60	40x60	±14	40	45		39.2	0.21
	90	40x90	±23	75	75	15	39.2	0.30

Travel per Rotation: Approx. 19mm Minimum Graduation: 0.5mm

Ordering Example XKRG60