

# [High Precision] XY-Axis Dovetail Slide, Feed Screw

## Symmetrical Stack, Space Saving

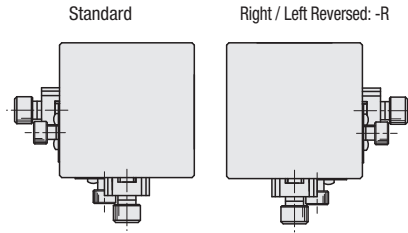
■ **Features:** Since two side faces out of four are freely configurable, this type of stage product can be symmetrically aligned with its reserved type for combination use or can be configured for space-saving.

### ■ Symmetrical Stack, Space Saving



#### Dovetail Slide DSXYEG

- The number of faces intended for feed knob / clamp operations is limited to two.
- Space needed for adjustment is saved.
- It is also possible to reposition two stages in such a way that they become much closer to each other.



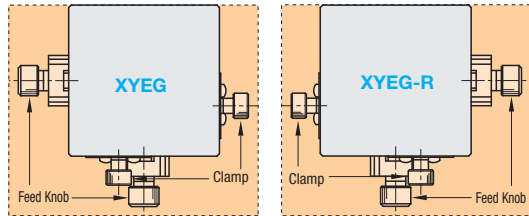
Ⓢ When symmetrical use as shown on the above figure is desired, select one □□ Type and one □□-R Type, respectively. (Those types are not sold as a set.)

RoHS 10

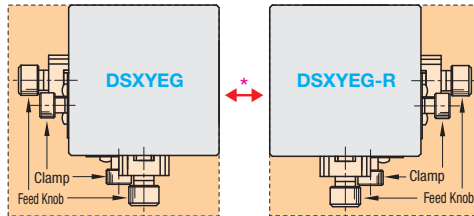
Ⓢ (Note) For dimension details, see the CAD data or the catalog's X-Axis stage dimension details on P.1933.

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)	Stage Configuration (XEG: P.1897)		Reference Part Number (Page)	Unit Price
					Top	Bottom		
DSXYEG	25	25x25	±5	28.4	XEG25-R	XEG25	XYEG (Asymmetrical) (P.1933)	
	25-R				XEG25			
	40	40x40	±7	27.4	XEG40-R	XEG40		
	40-R				XEG40			
	60	60x60	±9	33.3	XEG60-R	XEG60		
60-R	XEG60							

### ■ XYEG



### ■ DSXYEG



\* Realization of Space Saving

- Three open sides are needed for Feed Knobs and Clamps
- Sufficient space must be retained for adjustment.

□□□□: Accessible Space

Ordering Example  
Part Number  
DSXYEG60  
DSXYEG60-R

Ⓢ For symmetrical use, select one standard stage and one reversed (-R Type) stage, respectively, as indicated above.

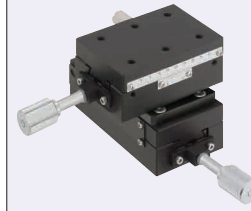
# [High Precision] XY-Axis Dovetail Slide, Feed Screw

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

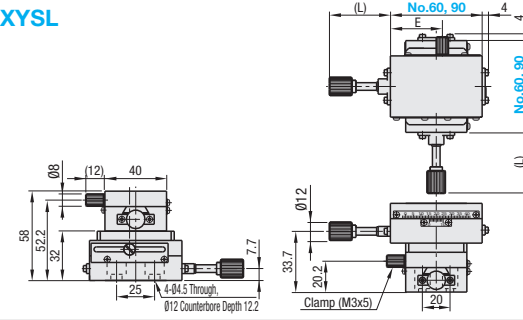
■ **Features:** Smooth feeding 4.2mm lead Dovetail Slide Feed Screw Stages.

### ■ XY-Axis, Rectangular (Lead 4.2mm)

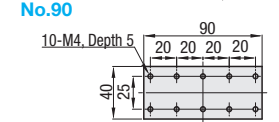
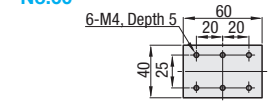
#### XYSL



X-Axis: P.1900  
Z-Axis: P.1960



### • Stage Top Mounting Hole Dimensions No.60



Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Part Number	Stage Surface	Travel Distance	(L)	E	Travel per Rotation	Load Capacity	Travel Accuracy (µm)	Weight	Accessory (4 pcs.)	Unit Price
XYSL	No. 60	40x60	±21	40	34	4.2	34.3	30	30	0.45
	No. 90	40x90	±35	60	49			0.63	SCB4-8	

Ⓢ Resolution (Vernier Scale Indication): 0.1mm/division  
Ⓢ Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.2004  
Ⓢ Travel accuracy values shown are for single axis configuration.

Ordering Example  
Part Number  
XYSL60

Alterations  
Part Number - (R)  
XYSL90 - R

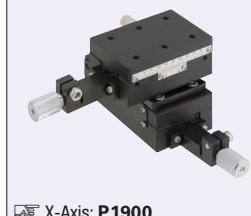
Alteration	Knob Position Change (Left/Right Reversed)
Spec.	
Code	R

Ⓢ See the CAD data for details.

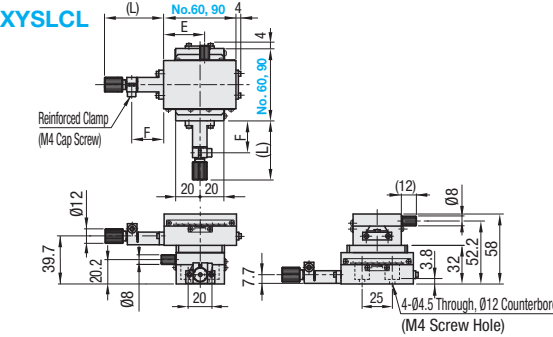
■ The feed knob is directly retained with a split clamp, resulting in less position drift.

### ■ XY-Axis, Reinforced Clamp (Lead 4.2mm)

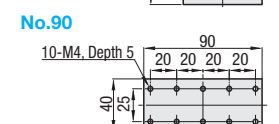
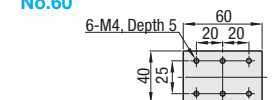
#### XYSLCL



X-Axis: P.1900  
Z-Axis: P.1960



### • Stage Top Mounting Hole Dimensions No.60



Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Part Number	Stage Surface	Travel Distance	(L)	E	F	Travel per Rotation	Load Capacity	Travel Accuracy (µm)	Weight	Accessory (4 pcs.)	Unit Price
XYSLCL	No. 60	40x60	±21	49	34	26.5	37.4	30	30	0.37	
	No. 90	40x90	±35	63	49	40.5	36.7	30	30	0.53	

Ⓢ Resolution (Vernier Scale Indication): 0.1mm/division  
Ⓢ Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.2004  
Ⓢ Travel accuracy values shown are for single axis configuration.

Ordering Example  
Part Number  
XYSLCL90

Alterations  
Part Number - (R)  
XYSLCL60 - 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.

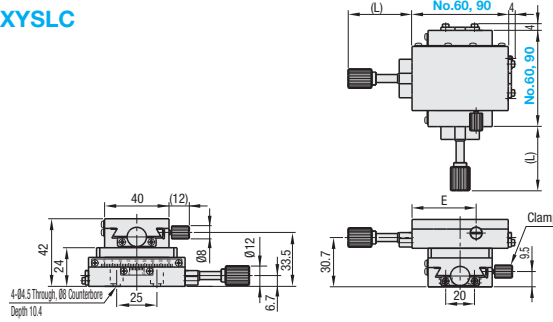
■ Travel distance per knob rotation is approx. 1/4 of the Rack & Pinion Type. Suitable for fine pitch positioning over a long stroke.

### ■ XY-Axis, Low Profile (Lead 4.2mm)

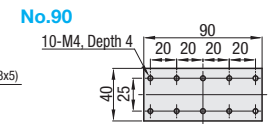
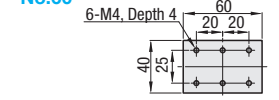
#### XYSLC



X-Axis: P.1900  
Z-Axis: P.1960



### • Stage Top Mounting Hole Dimensions No.60



Material: Aluminum Alloy  
Surface Treatment: Black Anodize

Part Number	Stage Surface	Travel Distance	(L)	E	Travel per Rotation	Load Capacity	Travel Accuracy (µm)	Weight	Accessory (4 pcs.)	Unit Price
XYSLC	No. 60	40x60	±21	40	40	4.2	24.5	30	30	0.33
	No. 90	40x90	±35	60	55			0.43	SCB4-5	

Ⓢ Resolution (Vernier Scale Indication): 0.1mm/division  
Ⓢ Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P.2004  
Ⓢ Travel accuracy values shown are for single axis configuration.

Ordering Example  
Part Number  
XYSLC60

Alterations  
Part Number - (R)  
XYSLC90 - 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.