

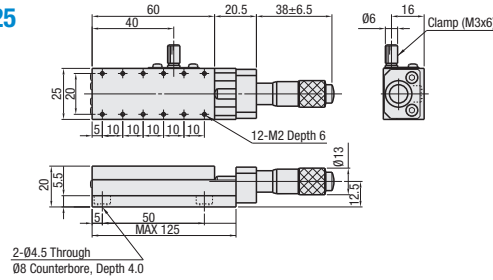
[High Precision] Stages, Cross Roller / Linear Guide

X-Axis Long Stroke / X-Axis Linear Guide

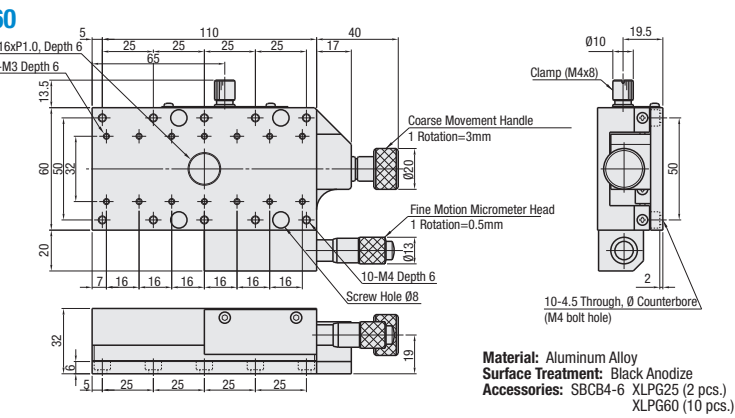
Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

X-Axis Long Stroke

XLPG25



XLPG60



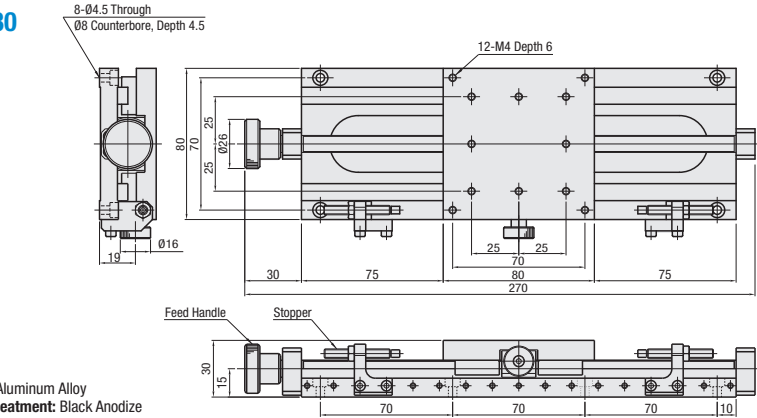
RoHS 10

Part Number Type	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)	Accuracy				Moment Capacity (N·m)			Moment Rigidity (N/cm)			Parallelism	Weight (kg)	
				Horizontal	Straightness	Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing			Rolling
XLPG	25	25 x 60	±6.5 mm	19.6	3 µm	10 µm	25"	15"	3.8	3.2	1.5	0.19	0.19	1.38	30 µm	0.1
	60	60 x 110	*Coarse ±20 mm Fine Feed ±6.5 mm	78.4					8.1	7.0	5.3	0.02	0.03	0.07		

- Resolution (Micrometer Head): 10 µm/division * XLPG60 max. stroke is 53mm.
- Knob Cover HDCVR13 (Sold Separately): Ø13 Micrometer knob can be increased in diameter by installing the cover. P.2035

X-Axis Linear Guide

XLSG80



RoHS 10

Part Number Type	Stage Surface (mm)	Travel Distance Per Rotation (mm)	Travel Distance (mm)	Load Capacity (N)	Motion Parallelism	Moment Capacity (N·cm)			Parallelism	Weight (kg)	
						Pitching	Yawing	Rolling			
XLSG	80	80 x 80	24	128 mm	147	25 µm	10.6	7.5	11.5	50 µm	0.9

- Travel distance per rotation: 24mm

Part Number Example

Part Number	Part Number
XLPG25	XLSG80

Part Number Alterations

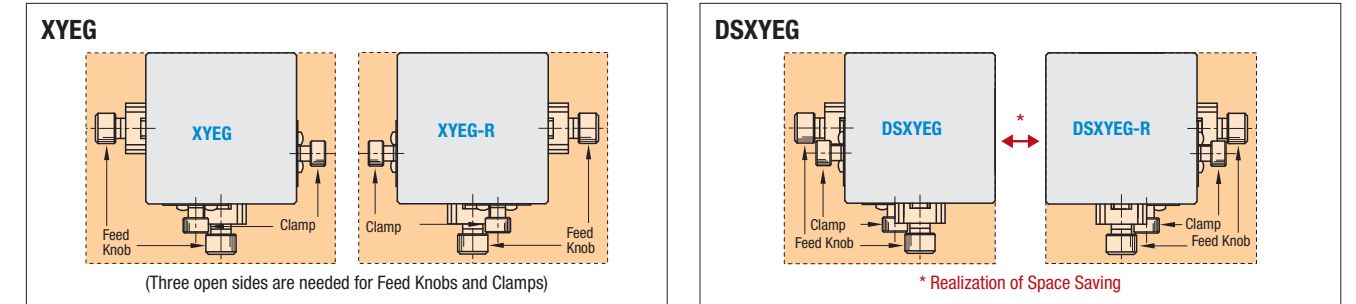
Alteration	Part Number - (R)
	XLPG25 - R
Spec.	Clamp Position Change (Right/Left Reversed)
Code	R

Applicable to XLPG25 only.

[High Precision] Dovetail / Linear Ball Guide Space Saving Stages

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

Features: Normally, XY-axis stages are configured by stacking two normal 1-axis stages where the feed knobs and clamps occupy three stage sides; hindering operator access in certain installations. This new product is a combination of one standard and one reversed (mirrored) configuration stages to make two sides obstruction-free, enabling installations in limited spaces for space saving machine designs.



Dovetail Slide Feed Screw Stage: DSXYEG

DSXYEG (Combination XY of XEG)

RoHS 10

Dovetail Slide DSXYEG

(Right and Left side reversed: -R)

Accessible Space

Note: For dimension details, see the CAD data or the catalog's X-Axis stage dimension details on P.2063.

Part Number Type	No.	Stage Configuration (XEG: P.2033)		Travel Distance (mm)	Load Capacity (N)	Reference Part Number (Page)
		Top	Bottom			
DSXYEG	25	XEG25-R	XEG25	±5	28.4	XYEG (P.2050)
	25-R	XEG25	XEG25-R			
	40	XEG40-R	XEG40	±7	27.4	
	40-R	XEG40	XEG40-R			
	60	XEG60-R	XEG60	±9	33.3	
60-R	XEG60	XEG60-R				

Part Number Example

Part Number	Part Number
DSXYEG60	

Linear Ball Slide Stages: DSXYSGB / DSXYSCG

DSXYSGB (Combination XY of XSGB)
 DSXYSCG (Combination XY of XSCG)

RoHS 10

Black Linear Ball Slide - Micrometer Head DSXYSGB

(Right and Left side reversed: -AR)

Linear Ball Slide - Feed Screw DSXYSCG

(Right and Left side reversed: -AR)

Note: For dimension details, see the CAD data or the catalog's X-Axis stage dimension details on P.2052.

Part Number type	No.	Stage Surface (mm)	Stage Configuration		Travel Distance (mm)	Load Capacity (N)	Reference Part Number (Page)
			Top	Bottom			
Black Linear Ball Micrometer Head DSXYSGB	25-A	25 x 25	X - -AR	X - -A	±3.2	38.2	XYSGB_-A (P.2052)
	25-AR		X - -A	X - -AR			
	40-A	40 x 40	X - -AR	X - -A	±6.5	95.2	
	40-AR		X - -A	X - -AR			
	50-A	50 x 50	X - -AR	X - -A	±12.5 (*)	144.2	
50-AR	X - -A		X - -AR				
Linear Ball Feed Screw DSXYSCG	60-A	60 x 60	X - -AR	X - -A	±6.5	192.1	XYSCG_-A (P.2042)
	60-AR		X - -A	X - -AR			
	70-A	70 x 70	X - -AR	X - -A	±12.5 (*)	329.6	
	70-AR		X - -A	X - -AR			
	80-A	80 x 80	X - -AR	X - -A	±12.5 (*)	255.8	
80-AR	X - -A		X - -AR				
100-A	100 x 100	X - -AR	X - -A	±12.5 (*)	329.6		
100-AR		X - -A	X - -AR				

* Stroke is ±6.5 mm for Feed Screw type.

Part Number Example

Part Number	Part Number
DSXYSGB80-AR	

Application Example

Lead Wire Cutting Machine

DSXYSGB