[High Precision] Square Dovetail, Feed Screw Stages

XY-Axis Standard / Hex Wrench Drive (Pitch 0.5 mm)

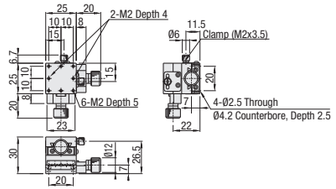
Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy

XY-Axis Standard
(Pitch 0.5 mm)

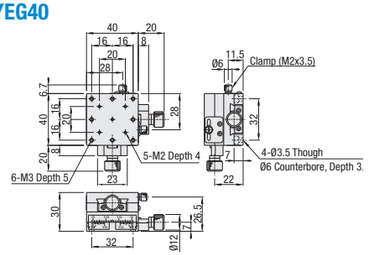
RoHS10

⊗ XY-Axis **P.2033**
⊗ Z-Axis **P.2065**

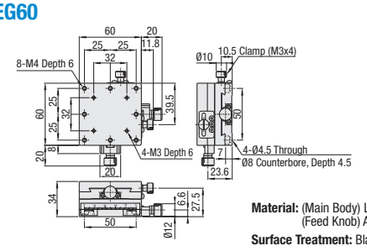
XYEG25



XYEG40



XYEG60



Material: (Main Body) Low Cadmium Brass
(Feed Knob) Aluminum
Surface Treatment: Black Fluororesin Treatment

ⓘ Standard Stages Similar Products: XYFES **P.2077**

Part Number		Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy	Moment Capacity (N•m)			XY Orthogonality	Weight (kg)	Accessories	
Type	No.					Straightness	Pitching	Yawing	Rolling			Type M-L	Quantity
XYEG	25	25 x 25	±5	0.5	28.4	30 µm	1.3	1.5	1.3	70µm	0.12	SCB2-8	4
	40	40 x 40	±7		27.4		3.0	3.0	3.0		0.44	SCB3-6	
	60	60 x 60	±9		33.3		4.0	4.0	4.0		1.04	SCB4-6	

ⓘ 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
Part Number: XYEG25

Part Number Alterations
Part Number - (R)
XYEG25 - R

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

XY-Axis Hex Wrench Drive
(Pitch 0.5 mm)

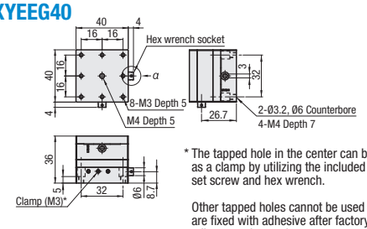
RoHS10

⊗ XY-Axis **P.2033**
⊗ Z-Axis **P.2065**

XYEEG25

Close-up of Hexagon Wrench Hole (α View)

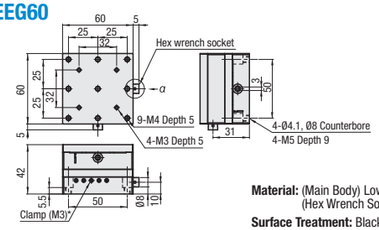
XYEEG40



* The tapped hole in the center can be used as a clamp by utilizing the included hex socket set screw and hex wrench.

Other tapped holes cannot be used as they are fixed with adhesive after factory preload adjustment inspection.

XYEEG60



Material: (Main Body) Low Cadmium Brass
(Hex Wrench Socket) Aluminum
Surface Treatment: Black Fluororesin Treatment

Part Number		Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy	Moment Capacity (N•m)			XY Orthogonality	Weight (kg)	Accessories	
Type	No.					Straightness	Pitching	Yawing	Rolling			Type M-L	Quantity
XYEEG	25	25 x 25	±3	0.5	28.4	30 µm	1.3	1.5	1.3	70µm	0.12	SCB2-8	3
	40	40 x 40	±5		27.4		3.0	3.0	3.0		0.44	SCB3-6	4
	60	60 x 60	±7		33.3		4.0	4.0	4.0		1.04	SCB4-6	

ⓘ Resolution (Vernier Scale Indication): 0.1 mm/division (XYEEG has no vernier scale)

Part Number Example
Part Number: XYEEG25

[High Precision] Dovetail Feed Screw Stages

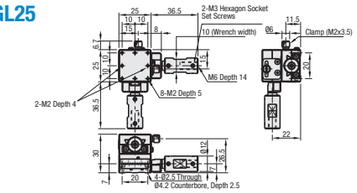
XY-Axis Extended Handles / Reinforced Clamp (Pitch 0.5 mm)

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

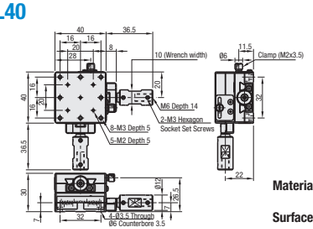
XY-Axis Extended Handles
(Pitch 0.5 mm)

RoHS10

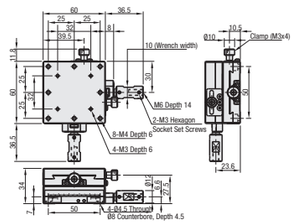
XYEGL25



XYEGL40



XYEGL60



Material: (Main Body) Low Cadmium Brass
(Feed Knob) Aluminum
Surface Treatment: Black Fluororesin Treatment

Part Number		Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy	Moment Capacity (N•m)			Orthogonality (µm)	Weight (kg)
Type	No.					Straightness (µm)	Pitching	Yawing	Rolling		
XYEGL	25	25 x 25	±5	0.5	28.4	30	1.3	1.5	1.3	70	0.20
	40	40 x 40	±7		27.4		3.0	3.0	3.0		0.40
	60	60 x 60	±9		33.3		4.0	4.0	4.0		1.01

ⓘ Extension Cover HDEXT12 (Sold Separately): Ø12 Feed Screw knob can be extended. **P.2035**
ⓘ Knob Extension Method
Use the M6-Depth 14 tapped hole on the knob. Knob length and diameter can be increased for large objects and plates placed on the carriage.
(Ex. 1) Seven Lobed knob (Click here) NKSM6-30 can be mounted to further lengthen the knob by 36 mm.

Part Number Example
Part Number: XYEGL60

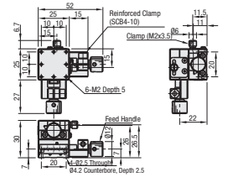
Part Number Alterations
Part Number - (R)
XYEGL60 - R

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

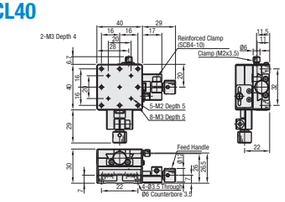
XY-Axis Reinforced Clamp
(Pitch 0.5 mm)

RoHS10

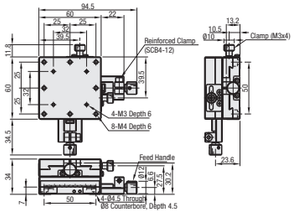
XYEGCL25



XYEGCL40



XYEGCL60



Part Number		Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)	Travel Accuracy	Moment Capacity (N•m)			Orthogonality (µm)	Weight (kg)
Type	No.					Straightness (µm)	Pitching	Yawing	Rolling		
XYEGCL	25	25 x 25	±5	0.5	28.4	30	1.3	1.5	1.3	70	0.20
	40	40 x 40	±7		27.4		3.0	3.0	3.0		0.40
	60	60 x 60	±9		33.3		4.0	4.0	4.0		1.01

ⓘ Extension cover HDEXT12 (Sold separately): Ø12 Feed Screw knob can be extended. **P.2035**

Part Number Example
Part Number: XYEGCL60

Part Number Alterations
Part Number - (R)
XYEGCL60 - R

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