

[High Precision] X-Axis Dovetail Slide, Rack & Pinion

Square, Coarse/Fine Feeds

■Features: Square form factor Dovetail Slide Rack & Pinion stage. The 40 and 60 sizes can be ordered with the bottom plates removed, as alterations.

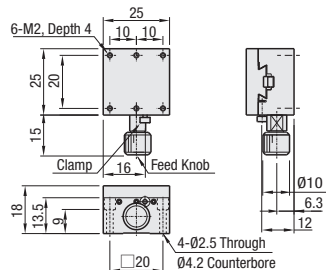
■X-Axis, Square



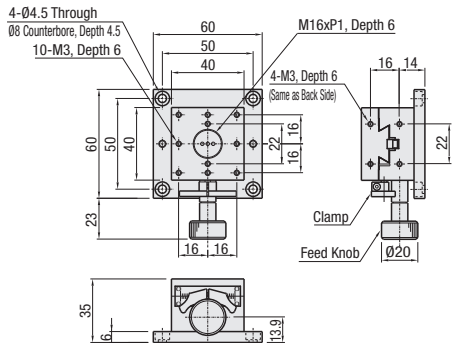
XY-Axis P1940
Z-Axis P1957

RoHS10

XFG25

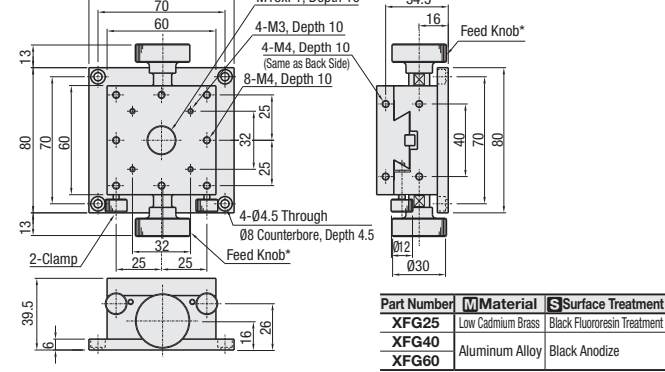


XFG40



* The feed knob for XFG60 can be operated from either side.

XFG60*

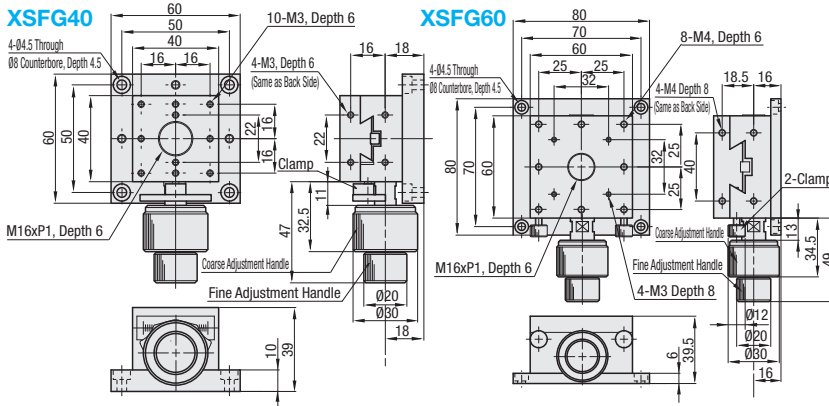


■Features: Square form factor Dovetail Slide Rack & Pinion stage with Coarse/Fine combination feeds. The coarse feed knob provides approx. 18mm travel, and the fine feed knob provides approx. 2.3mm travel per one knob rotation.

■X-Axis, Coarse/Fine Feeds



RoHS10



Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)		Load Capacity (N)		Travel Accuracy (μm)		Moment Load Capacity (N·m)			Weight (kg)	Accessory (4 pcs.) Type M-L	Unit Price
				Coarse	Fine	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Rolling			
XFG	25	25x25	±5	17	-	29.4	6.9	30	80	0.5	0.5	0.5	0.09	SCB2-12	
	40	40x40	±10	20	-	29.4	14.7	20	30	3.0	3.0	2.0	0.21	SCB4-6	
	60	60x60	±20	18	-	39.2	19.6	30	50	7.0	5.0	7.0	0.64	SCB4-6	
XSFG	40	40x40	±10	20	≈2.6	29.4	14.7	20	30	3.0	3.0	2.0	0.30	SCB4-10	
	60	60x60	±20	18	≈2.3	39.2	19.6	30	50	7.0	5.0	7.0	0.51	SCB4-6	

Resolution (Vernier Scale Indication): 0.1mm/division

Ordering Example
Part Number
XFG40
XSFG60

For orders larger than indicated quantity, please check with WOS.

See the CAD data for details.

Alteration	No Bottom Plate
Spec.	<div>XFG40, XSFG40 4-Ø3.5 Through (From Back), Ø6 Counterbore, Depth 10 (M3 Screw Hole)</div> <div>XFG60, XSFG60 2-Ø4.5 Through (From Back), Ø8 Counterbore, Depth 6 (M4 Screw Hole)</div> <div>Not applicable to XFG25. The feed knobs will interfere with the mating bases.</div>
Code	M

[Simplified Adjustments] X-Axis, Feed Screw, Large Lead (3.0mm)

Standard/Large Handle, M6 Mounting Holes

■Features: A feed screw type simplified adjustment unit with a 3.0mm 3-starts screw. Suitable for rapid feeding such as making quick fixture moves during set-up changes. Types with M6 mounting holes on the top plate are also available.

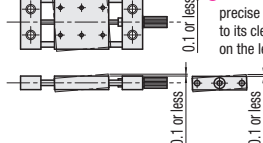
■X-Axis Large Lead



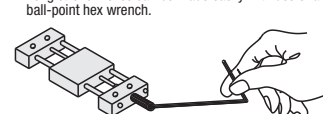
XY-Axis P1941

Travel per Rotation: 3.0mm

■Accuracy Standards



One Point



	Type		Main Body		Shaft	Knob	Feed Screw	Accessory
	Standard Handle	Large Handle	Material	Surface Treatment	Material	Material	Material	
M4 Mounting Hole	XKS	XKSL	Aluminum Alloy	Black Anodize	SUS304	SUS303	SUS304	SCB5-20, 4pcs.
M6 Mounting Holes	XKSM	XKSML						

XKS (Standard Handle, M4 Mounting Holes) XKSM (Standard Handle, M6 Mounting Holes)

XKSL (Large Handle, M4 Mounting Holes) XKSML (Large Handle, M6 Mounting Holes)

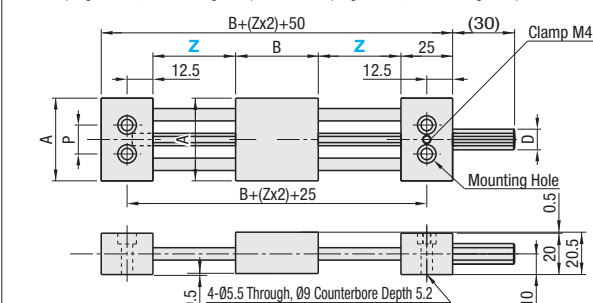
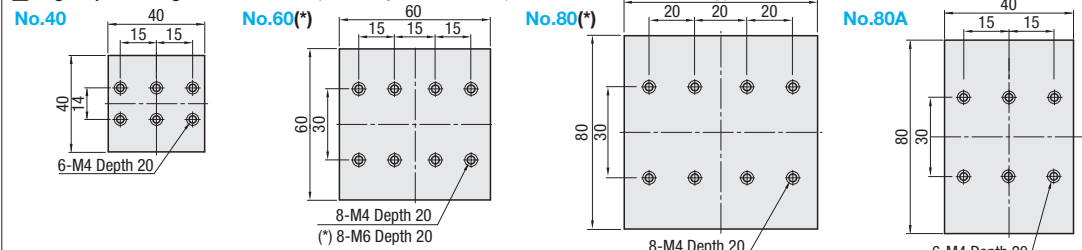


Table surfaces and bottoms are 0.5mm higher than the end mounts.

■Stage Top Mounting Hole Dimensions (*) marked only for XKSM and XKSML



Do not force the handle to turn past the end of the travel limits as it may cause the handle to come loose.

Part Number Type	No.	Z Selection Travel Distance (Zx2)	Stage A-B (mm)	D	P	Load Capacity (N)	Unit Price			
							XKS	XKSM	XKSL	XKSML
XKS XKSL	40	25	40 50	40x40	14	68.6				
		25	50	60x60		58.8				
		25	75	80x80		63.7				
		25	75	80x40		53.9				
	80A	25	40 50	80x40	30	68.6				
		25	50	60x60		58.6				
		25	75	80x80		58.8				
		25	75	80x80		49.0				

Travel per Rotation: 3.0mm

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

Ordering Example
Part Number
XKSL60
Z Selection
Z50

Alterations
Part Number
XKSM80
Z Selection
Z50
Material
MMR

Alteration	Mounting of a Scaled Plate on the Stage	Change of Clamp (Knurled Knob)
Spec.	<div>Mounts a scaled plate on the stage. Minimum Graduation: 0.5mm</div> <div>Scaled Plate alteration will change the mounting hole pitch since a plate is attached to the stage.</div> <div>Material: Aluminum Alloy Surface Treatment: Black Anodize Accessory: SCB4-8 x 4 pcs.</div>	<div>Changes Clamp Screw to Knurled Knob.</div> <div></div>
Code	MMR	CLC