

Simplified Adjustments (X Axis Feed Screw)

Large Lead Type – Standard Handle / Large Handle / M6 Mounting Holes

Accuracy Standards

Not recommended for precise positioning due to backlash shown on the left.

Travel Distance Per Handle Rotation: 3.0 mm

Application Example

Long stroke moves can be made easy with use of a ball-point hex wrench.

	Type		Main Body		Shaft	Knob	Feed Screws	Accessories
	Standard Handle	Large Handle	Material	Surface Treatment	Material	Material	Material	
M4 Mounting Hole	XKS	XKSL	Aluminum Alloy	Black Anodize	304 Stainless Steel	303 Stainless Steel	304 Stainless Steel	SCB5-20 x 4pcs.
M6 Mounting Holes	XKSM	XKSM						

Handle Shape Comparisons

Normal Handle Hex Wrench Hole Details

Large Handle Hex Wrench Hole Details

Large Handle can cause interference when used with main body plate due to its large height size.

Stage Top Mounting Hole Dimensions (A-B) (*marked only for XKSM and XKSM)

No. 40 40x40, 6-M4 Depth 20

No. 60(*) 60x60, 8-M4 Depth 20, (* 8-M6 Depth 20)

No. 80(*) 80x80, 8-M4 Depth 20, (* 8-M6 Depth 20)

No. 80A 80x40, 6-M4 Depth 20

Part Number Type	No.	Z Travel Distance (Z x 2)		Stage A-B (mm)	D	P	Load Capacity (N)
		25	50				
XKS XKSL	40	25	50	40 x 40	10 (Standard Handle)	14	68.6
		40	75	58.8			
	60	25	50	60 x 60			68.6
		40	75	58.8			
XKSM XKSM	60	25	50	60 x 60	24 (Large Handle)	30	63.7
		40	75	53.9			
	80	25	50	80 x 80			68.6
		40	75	68.6			
80A	25	50	80 x 40	68.6			
	40	75	49.0				

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

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

Travel per Rotation: 3.0 mm

Part Number Example Part Number - Z: XKSL60 - Z50

Part Number Alterations Part Number - Z - (MMR / CLC): XKSM80 - Z50 - MMR

Features: A feed screw type simplified adjustment unit with a 3-starts screw. Suitable for rapid feeding such as making quick jig moves during setup changes.

Alteration

Mount a Plate with Scaled Label on the Stage (MMR)

Mounts a scaled plate on the stage

Minimum Graduation: 0.5 mm

Change of Clamp (Knurled Knob) (CLC)

Change Clamp Screw to Knurled Knob

Spec.

Material: Aluminum Alloy

Surface Treatment: Black Anodize

Accessories: CBSST4-8 4 pcs.

Simplified Adjustments (X Axis Push Screw)

Standard Type – Standard Handle / Screw Length Specified

Standard Type **Screw Length Configurable Type** **(CL Alteration)**

RoHS 10

Accuracy Standards

Not recommended for precise positioning due to backlash shown on the left.

How to Mount

- Remove the Push Screw
- Screw down the A side
- Move the table manually to the A side.
- Screw down the B side.
- Re-install the Push Screw.

Application Example

The push screw and clamp screw can be reinforced by combining with an extra nut to form a double-nut arrangement.

Z Dimension Configurable	Type	Main Body		Shaft	Spring	Push Screw		Accessory
		Material	Surface Treatment	Material	Material	Material	Surface Treatment	
Standard (Z Dim. Fixed)	XKNG	Aluminum Alloy	Black Anodize	303 Stainless Steel	304 Stainless Steel	1045 Carbon Steel Equivalent	Electroless Nickel Plating	No. 20 / 25: CBSA-6, 2 Pcs. No. 40 / 60: CBS5-8, 4 Pcs.
Screw Length Selectable (Z Dimension Selectable)	XKNGZ*3							

No. 20 M4 x P0.7 For Table Clamp Screw

No. 25 M4 x P0.7 For Table Clamp Screw

No. 40 M5 x P0.8 For Table Clamp Screw

No. 60 M5 x P0.8 For Table Clamp Screw

Dimensions *2 are for scale aligned at 0 mark.

Stroke has been set up based on max. deflection of the spring.

Going beyond the stroke limits will lower the accuracy.

Part Number Type	No.	Z for XKNGZ		Z for XKNG	Stage Surface (mm)	Travel Distance (mm)	Load Capacity (N)		Weight (kg)
		28	38				Horizontal	Vertical	
Standard XKNG	20	28	38	18	20 x 20	±5	9.8	2	0.04
	25				25 x 25		0.06		
Screw Length Selectable XKNGZ	40	40	60	27	40 x 40	±7.5	14.7	8	0.10
	60				60 x 60		0.20		

Minimum Graduation: 0.5 mm

Travel Distance Per Handle Rotation: 0.5 mm

Since springs are utilized, vertical load capacity will be lower than the Feed Screw Type.

Please note that two screws are included for XKNGZ; one for XKNG and another with the selected Z dimension.

Part Number Example Part Number - Z: XKNG20 - Z40

Part Number Alterations Part Number - Z - (CL): XKNG20 - Z - CL, XKNGZ60 - Z60 - CL

Application Example

Sensor Position Adjustments for Product Counter Station

Alteration

Opposite Clamp Bolt (CL)

Opposing clamp screw for table immobilizing (No. 20 / 25: M4, Pitch 0.7, L=30 mm; No. 40 / 60: M5, Pitch 0.8, L=44 mm) will be included.

Simplified Adjustment Units

Simplified Adjustment Units