

[Simplified Adjustments] XY-Axis, **MISUMI VALUE** [Standard] XY-Axis Dovetail Slide, Feed Screw, Key Guide Units

[High Precision] XY-Axis Dovetail Slide, Feed Screw Square / Extended Knob (Lead 4.2mm)

Features: Have the top and bottom surfaces clamped with screws. Has a very low profile (height: 16mm) and thus, are suitable for adjustment on limited spaces.

XY-Axis, Low Profile

XYKYF40

(Max. Stroke State)

Main Body		Feed Screw		Clamp Screw	
Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
Aluminum Alloy	Black Anodize	Steel	Electroless Nickel Plating	Steel	Black Oxide

Part Number: XYKYF 40

Part Number	Table Surface Size (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Clamp Screw	Load Capacity (N)	Weight (kg)	Unit Price
XYKYF 40	40x40	20	0.7	M4	19.6	0.15	

Ordering Example: Part Number XYKYF40

Features: Low profile (36mm height/axis) XY-Axis Dovetail Slide Stages with smooth 4.2mm lead feeding.

XY-Axis, Square
(Dowel Holes, Lead 4.2mm)

XYSC40 **XYSC60**

Common to XYSC40 and 60

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Accessory (4 pcs.)	Unit Price
XYSC	40	±11	4.2	14.7	20	0.20	SCB4-5	
	60	±21		24.5	30	0.38		

Material: Aluminum Alloy, Surface Treatment: Black Anodize

Standard Stages with Similar Specifications: Combination of XFHT (P1896)

Part Number	Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Accessory (4 pcs.)	Unit Price
XYSC	40	40	40x40	±11	4.2	14.7	20	0.20	SCB4-5	
		60	60x60	±21		24.5	30	0.38		

Resolution (Vernier Scale Indication): 0.1mm/division
Extension Cover HDEXT12 (Sold Separately): Ø12 feed screw knob can be extended. P2004

Ordering Example: Part Number XYSC60

Alterations: Model XYSC40 - R

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

See the CAD data for details.

Points on Similar Product Comparison | Travel Accuracy (Straightness) 50µm Similar Product Pages P.1933

XY-Axis

XYFES25 (Standard) **XYFES40** (Standard) **XYFES60** (Standard)

Clamp Position Change: XYFES -R (Right/Left Reversed)

*The depth will be short due to the stage shape.

Part Number	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Unit Price
XYFES	25	±5	0.5	27.4	50µm	0.09	
	40	±7				0.16	
	60	±8				0.36	

Material: Aluminum Alloy, Surface Treatment: Black Anodize

High Precision Stage Existing Product: XYEG (P1933)

Type	Part Number	Clamp Position	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Unit Price
XYFES	25	No Symbol (Standard)	25x25	±5	0.5	27.4	50µm	0.09	
	40	R (Right/Left Reversed)	40x40	±7				0.16	
	60		60x60	±8				0.36	

Resolution (Vernier Scale Indication): 0.1mm/division
Extension Cover HDEXT12-□ (sold separately): Ø12 knobs can be extended by installing the cover. P2004
(Caution) Please note that increased knob diameter may interfere with the stage mounting base surfaces.

Ordering Example: Part Number XYFES40

Features: Effective when feed knobs are difficult to turn due to the carriage mounted objects interfere, or when the knobs are hard to reach since the stage is deeply embedded inside a machine.

XY-Axis, Extended Knob
(Dowel Holes, Lead 4.2mm)

XYSCL40 **XYSCL60**

Common to XYSCL40 and 60

Part Number	Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Accessory (4 pcs.)	Unit Price
XYSCL	40	40	40x40	±11	4.2	18.6	30	0.21	SCB4-6	
		60	60x60	±21		17.7	30	0.39		

Material: (Main Body) Aluminum Alloy, Surface Treatment: Black Anodize (Feed Knob) Low Cadmium Brass

Resolution (Vernier Scale Indication): 0.1mm/division

Part Number	Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Rotation (mm)	Load Capacity (N)	Travel Accuracy (µm)	Weight (kg)	Accessory (4 pcs.)	Unit Price
XYSCL	40	40	40x40	±11	4.2	18.6	30	0.21	SCB4-6	
		60	60x60	±21		17.7	30	0.39		

Ordering Example: Part Number XYSCL40

Alterations: Model XYSCL60 - R

Alteration: Knob Position Change (Left/Right Reversed)

Spec.

Code: R

See the CAD data for details.