

■Features: Strong side clamp enables desirable mounting of workpieces. Screws with captured spring washers are provided for the clamp providing preload.



XKCS30

4-Ø3.5 Through
Ø6 (From Back) Counterbore Depth 3.5

2-M4
Ø6.5 Counterbore, Depth 3.5

6-M3 Depth 5
R3.25

25 (Travel Distance)

18
22
1.2
5.5

3.5
3.5

Section A-A

Feed Knob

Clamp Screw (M4)

2-M4
Ø6.5 (From Back) Counterbore Depth 3.5

4-M4

80
60
6
15
20
30

⚠️Tips: Mounting Hole on the Bottom of the Table

Mount from Top: M3
Mount from Bottom: M4

Material: Aluminum Alloy
Surface Treatment: Black Anodize

⚠️Vertical (Z-axis) and reversed applications may cause the upper surface being detached or falling off, thus not recommended.

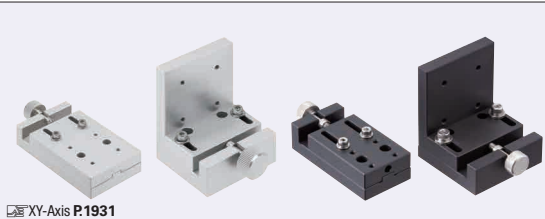
Top Surface:
22^{+0.02}₀

Bottom Surface:
22^{-0.02}_{-0.04}

Part Number	Stage Surface	Travel Distance	Travel per Rotation	Load Capacity	Weight	Unit Price
Type	No.	(mm)	(mm)	(N)	(kg)	
XKCS	30	29x50	25	0.8	9.8	0.1

Ordering Example
Part Number
XKCS30

■Features: Simplified Adjustment Units utilizing key guides (convex surface). Screw mounting enables strong clamp, and a scale label is included.



XY-Axis P.1931

■Accuracy Standards

There are some mechanical clearances as shown below, and not recommended for positioning applications requiring accuracies.

(Ref.) Dimensions
Concave Portion 10^{±0.1}
Convex Portion 10^{±0.1}

0.1 or less
0.1 or less
0.1 or less
0.1 or less

■Flat Type

XKYF (Clear Anodize)
XKYFB (Black Anodize)

Stage Width

11
L
20
4-M4
4-M5
Ø4.4, Ø7.5 Counterbore Depth 4.5

Feed Knob

Clamp Screw

Mounting Screw Hole Ø7.5

17.5
22
A
B

■L-Shaped Type

XKYL (Clear Anodize)
XKYL B (Black Anodize)

Stage Width

11
L
15
4-M4
4-M5
Ø4.4, Ø7.5 Counterbore Depth 4.5

Mounting Screw Hole Ø7.5

Feed Knob

Clamp Screw

17.5
22
A
B

Material: Aluminum Alloy
Surface Treatment: Anodize
Accessory: SCB4-10 4pcs.
Scale seal

Part Number	Stage Surface	Travel Distance	Travel per Rotation	A	B	H	L	T	X	Y	Clamp Screw	Load Capacity	Weight	Unit Price
Type	No.	(mm)	(mm)									(N)	(kg)	
Clear Anodize	Black Anodize													
XKYF	XKYFB	40	40	20	50	15	-	80	(27.5)	20	20	M4	19.6	0.18
		60	60		60	25	-	100	(29)	30	30	M5	39.2	0.34
XKYL	XKYL B	40	40	15	30	15	58	60	(27.5)	20	20	M4	9.8	0.18
		60	60		30	15	73	60	(29)	30	30	M5	19.6	0.28

Ordering Example
Part Number
XKYF40
XKYL B60

Points on Similar Product Comparison | Travel Accuracy (Straightness) 50µm

Similar Product Pages P.1897, P.1899, P.1900

■Features: Stages with 0.5mm fine lead.

■X-Axis



XY-Axis P.1931
Z-Axis P.1961

RoHS10

XFES25 (Standard)

12.5
25
10
10
8-M2, Depth 5
4-M2.5
Ø4.2 Counterbore, Depth 2.7

Ø10
9
20

* M2, Depth 4

XFES40 (Standard)

23.5
40
16
16
8-M3, Depth 6
4-M4
Ø6.5 Counterbore, Depth 3.5

Ø10
9
32

M2, Depth 4

XFES60 (Standard)

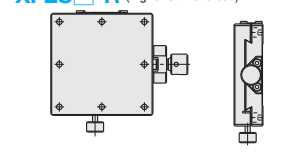
34
60
25
25
8-M4, Depth 6
4-M5
Ø8 Counterbore, Depth 4.5

Ø10
9
50

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

Material: Aluminum Alloy
Surface Treatment: Black Anodize

Clamp Position Change
XFES R (Right/Left Reversed)



See the CAD data for details.

Type	Part Number	Stage Surface	Travel Distance	Travel per Rotation	Load Capacity	Travel Accuracy	Weight	Unit Price
	No.	(mm)	(mm)	(mm)	Horizontal	Vertical	(kg)	
XFES	25	25x25	±5	0.5	29.4	9.8	0.04	
	40	40x40	±7		39.2	19.6	0.08	
	60	60x60	±8				0.18	

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
XFES40

■X-Axis



RoHS10

XFHT40

23.5
40
16
16
8-M3, Depth 6
4-M4
Ø6.5 Counterbore, Depth 3.5

Ø10
9
32

27.5

XFHT60

34
60
25
25
8-M4, Depth 6
4-M5
Ø8 Counterbore, Depth 4.5

Ø10
9
50

32.5

XFHT4060

34
40
25
25
6-M4, Depth 6
4-M5
Ø8 Counterbore, Depth 4.5

Ø10
12
30

32.5

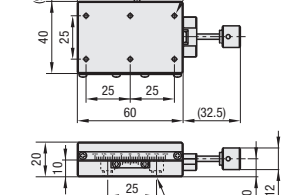
XFHT4090

49
40
25
20
10-M4, Depth 6
4-M5
Ø8 Counterbore, Depth 4.5

Ø10
12
30

48.5

Clamp Position Change
XFHT R (Reversed)



Material: Aluminum Alloy
Surface Treatment: Black Anodize

Type	Part Number	Stage Surface	Travel Distance	Travel per Rotation	Load Capacity	Travel Accuracy	Weight	Unit Price
	No.	(mm)	(mm)	(mm)	Horizontal	Vertical	(kg)	
XFHT	40	40x40	±10	4.5	19.6	9.8	0.06	
	60	60x60	±20		29.4	14.7	0.16	
	4060	40x60	±35		39.2	19.6	0.17	
	4090	40x90					0.18	

Resolution (Vernier Scale Indication): 0.1mm/division

Ordering Example
Part Number
XFHT40