

[High Precision] Dovetail Rack & Pinion / Set-Up Plates

X-Axis Compact

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

X-Axis Compact

XSP

*By turning the preload adjustment screw (A) clockwise with a flathead screw driver, the stage slide slowly, and by turning counterclockwise the "stage slides slowly. By turning counterclockwise, the stage slides quickly and smoothly.

Attaching tap for A100 is as shown below. (4 Holes)

Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number Type	A	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	L	E	Load Capacity (N)		Travel Accuracy Straightness	Weight (kg)	Accessory (2 pcs.) Type M-L
							Horizontal	Vertical			
XSP	50	50 x 24.8	±16	18	42	21	29.4	14.7	30 μm	0.13	SCB4-8
	100	100 x 24.8	±40		63	46	39.2	19.6			

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P.2011
- Adjustable Plate XPLT: Use this plate when connecting stages with non-matching mounting holes. P.2022

Part Number Example

Part Number: XSP100

Set-Up Plates

BBA

Mounting holes for M6 screws with a 100mm pitch are centrally located on the boards.

Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number Type	M	A	B	Drawing	Tapped Holes	T	E	F
150	150	25						
200	200	45						
6	120	200	(2)	31	10	25		
	150	200		25				
	200	300		73				

Part Number Example

Part Number: BBA 4 - 120 - 200

[High Precision] Dovetail Rack & Pinion Stages / Adapter Plates

X-Axis Rectangular Standard / for XY-Axis Stages

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

X-Axis Rectangular Standard

XWG40, **XWG60**, **XWG90**, **XWG140**

*By turning the preload adjustment screw (A) clockwise with a flathead screw driver, the stage slides slowly. By turning counterclockwise, the slides quickly and smoothly.

Material: Aluminum Alloy
Surface Treatment: Black Anodize

Standard Stages Similar Products: XDS P.2010, Long Stroke: XLWG P.2025, XLONG P.2026, XLARGE P.2027.

Part Number Type	No.	Stage Surface (mm)	Travel Distance (mm)	Travel per Knob Rotation (mm)	Load Capacity (N)		Travel Accuracy Straightness	Weight (kg)
					Horizontal	Vertical		
XWG	40	24.8 x 42	±12	18	29.4	14.7	30 μm	0.17
	60	40 x 60	±21		39.2	19.6		0.29
	90	40 x 90	±35					0.40
	140	40 x 140	±60					0.56

- Resolution (Vernier Scale Indication): 0.1 mm/division
- Knob Cover HDCVR15 (Sold Separately): Ø15 knobs can be increased in diameter by installing the cover. P.2021

Application Example

Camera adjustments for image processing application (Stage used: XWG (P.2021))

Part Number Example

Part Number: XWG40

Adapter Plates for XY-Axis Stages

XPLTE40, **XPLTE60**

Material: Aluminum Alloy
Surface Treatment: Black Anodize

Part Number	
Type	No.
XPLTE	40
	60

Part Number Example

Part Number: XPLTE40

Type	No.	Applicable Stage		Applicable Plate Part Number
		(Compatible) Lower Stage	(Compatible) Upper Stage	
XWG XSL*1 XDS*1 XFHT*1	60	XFG40-M (P.2019), XEG40 (P.2033), XEEG40 (P.2033)	XSG_40 (P.2037), XCRS40 (P.2016)	XPLTE40
	90	XPG_40 (P.2041), XFES40 (P.2077)	XLBS40 (P.2079)	
	140	XEG60 (P.2033), XEEG60 (P.2033)	XSG_60 (P.2037), XCRS60 (P.2016)	XPLTE60
	4060*2 4090*2	XPG_60 (P.2041), XFES60 (P.2077)	XLBS60 (P.2079)	

- *No.140 is not available for *1 marked types.
- *Types with *2 are available for XFHT only.