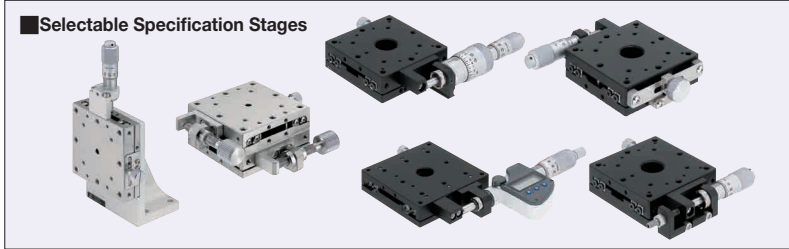


# [High Precision] X / XY / Z-Axis Stages - Selectable

■ **Features:** Various X, XY, and Z-Axis Linear Ball Slide / Cross Roller Stages (P.1918, P.1921, P.1946, P.1966, respectively) that can be customer specified on ① feed mechanism mount position, ② feed type, ③ clamp type, and ④ grease type.



Part Number			Stage Used
Type	Axis	Guide	
FS	X	R	XSG (P.1921)
		C	XPG (P.1918)
	XY	R	XYSG (P.1946)
	Z	R	ZSG (P.1966)

\* Refer to the stage with the same size as the table.  
Guide Type R: Linear Ball Slide  
C: Cross Roller Slide

Stage				① Feed Position		② Feeding Method				③ Clamp Type		④ Grease	
Axis	Type	Size	Unit Price	Center/Side	Micrometer Head (Stroke: mm)	Price	Feed Screw (Pitch/Stroke: mm)	Price	Selection	Price	Selection	Price	
X-Axis	FSXR (Linear Ball)	25		(Center): A, AR : AZ, AZR (Side): C, CR : CZ, CZR	N (Standard ±3.2)	N: M: D:	F (Hex Socket 0.5/±3.2) B (Feed Screw 0.5/±3.2)	F, B, J:	S (Standard)	S: H: P:	G (Standard) R (Clean Env. Compatible)*	G: R:	
		40	M (Standard ±6.5)		F (Hex Socket 0.5/±6.5) B (Feed Screw 0.5/±6.5) J (Feed Screw 1.0/±6.5)		S (Standard) H (Disc)						
		50	M (Coarse Fine Feed ±6.5)										
		60	N (Standard ±12.5) M (Coarse Fine Feed ±6.5) D (Digital Micrometer ±12.5) *1. Only applicable to feed position A, AR and C.										
		70											
X-Axis	FSXC (Cross Roller)	25		(Center): A, AR : AZ (Side): C, CR : CZ	N (Standard ±3.2)	N: M:	B (Feed Screw 0.5/±3.2)	B:	S (Standard)	S:	G (Standard)	G: R:	
		40	M (Standard ±6.5)										
		60	M (Coarse Fine Feed ±6.5)										
		80	N (Standard ±12.5) M (Coarse Fine Feed ±6.5)										
XY-Axis	FSXYR (Linear Ball)	25		(Center): A, AR (Side): C, CR	N (Standard ±3.2)	N: M: D:	F (Hex Socket 0.5/±3.2) B (Feed Screw 0.5/±3.2)	F, B, J:	S (Standard)	S: H: P:	G (Standard) R (Clean Env. Compatible)*	G: R:	
		40	M (Standard ±6.5)		F (Hex Socket 0.5/±6.5) B (Feed Screw 0.5/±6.5) J (Feed Screw 1.0/±6.5)		S (Standard) H (Disc) Only applicable to C, CR.						
		50	M (Coarse Fine Feed ±6.5)										
		60	N (Standard ±12.5) M (Coarse Fine Feed ±6.5) D (Digital Micrometer ±12.5) *1. Only applicable to feed position A and AR.										
		70											
Z-Axis	FSZR (Linear Ball)	25		(Center): AZ, AZR (Side): CZ, CR : CZ, CZR	N (Standard ±3.2)	N: M:	F (Hex Socket 0.5/±3.2) B (Feed Screw 0.5/±3.2)	F, B, J:	S (Standard)	S: H: P:	G (Standard) R (Clean Env. Compatible)*	G: R:	
		40	M (Standard ±6.5)		F (Hex Socket 0.5/±6.5) B (Feed Screw 0.5/±6.5) J (Feed Screw 1.0/±6.5)		S (Standard) H (Disc)						
		50	M (Coarse Fine Feed ±6.5)										
		60	N (Standard ±12.5) M (Coarse Fine Feed ±6.5)										
		70											

\*1. Only clamp position will be changed for Digital Micrometer A and AR. \*2. When feed type M (coarse/fine feeds) or D (digital micrometer) is selected, grease R (clean env. compatible) is not applicable. \*3. Combination with M, B is not available for cross roller stages AZ and CZ. Combination with B is not available for cross roller stages with Table Size R0.

Ordering Example: Part Number - ① Feed Position - ② Feeding Method - ③ Clamp Type - ④ Grease

Example: FSXYR40 - C - F - S - R

- 🔧 Knob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob diameter can be increased by installing the cover. 📄 P.2004
- 🔧 Extension Cover HDEXT13 (Sold Separately): Feed knob of Ø13 micrometer head and feed screw can be extended. 📄 P.2004

## 📌 One Point:

**Differences of using X-Axis Stages (XSG 📄 P.1921 and XPG 📄 P.1918) vertically versus the true Z-Axis Stages (ZSG 📄 P.1966 and ZPG 📄 P.1968).**  
The true Z-Axis stages are designed and constructed with considerations given to the micrometer head/feed screw drive directions and the spring force direction to prevent the stage surfaces from falling due to the loads, (Center drive is the standard).

## Notes on Vertical Uses of X-Axis Stage

The carriage may drop if mounted vertically with the micrometer head tip pointed down with XSG □ □ (or -CR / -A selected). (The carriage does not drop when mounted with the micrometer head tip pointing up.)

NG	OK
<p>Standard, CR, A</p> <p>STOP!!</p>	<p>CZ Standard CR A</p>
<p>A load exceeding the spring pull force will cause the carriage to drop.</p>	<p>CZ: The carriage does not drop since the micrometer head tip pushes the bracket on the bottom plate. Standard, CR, A: The stage does not move down when the micrometer head is mounted pointing up.</p>