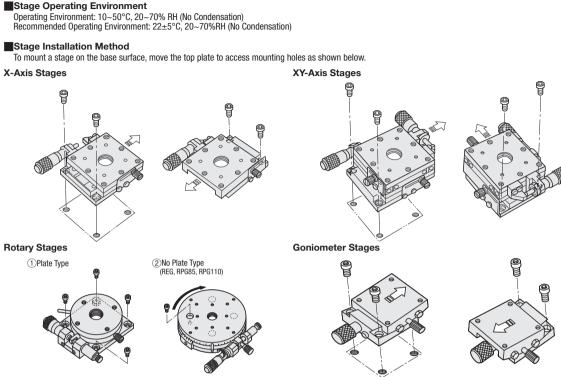
Technical Information (2)

Other Information about Stages Stage Selection Table P.1639, P.1640 New Products P.1641 P.1642 About Standard Stages Overview: Technical Information P.1643, P.1644



[Standard] Dovetail Slide, Feed Screw

Other Information about Stages P.1639, P.1640 Stage Selection Table P.1641 New Products P.1642 About Standard Stages Overview, Technical Information P.1643, P.1644

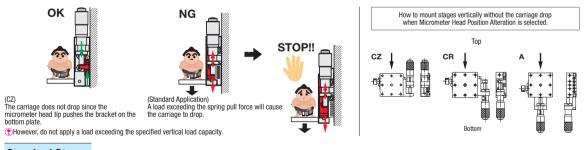


 Notes on Mounting Surface Accuracies
Intended product performances may not be achieved if the stage mounting surface or the carried object's mounting surface do not have sufficient flatness. (General Flatness Guideline: 10µm or better)

Vertical Use of X-Axis Stages

When mounting a stage in vertical orientation, note the directions of the feed mechanisms and springs

When installing Linear Ball Slide Stages and Cross Roller Stages, do not select the micrometer head position CR or A with the micrometer head pointing down since the carriage may drop. For the use of the micrometer head pointing down, select CZ to prevent the carriage from falling down.



Standard Stages

About Holding Force (Ref.)

Holding Force is the (reference) value to hold the stage top surface rest when clamped.

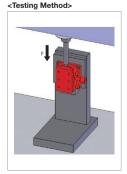
Measured Holding Force

<Test Conditions>Clamp screws are tightened with the tightening torque below and pressed with the test instrument (F in the diagram) The max. holding force is the load measured where the stage top surface starts to move.

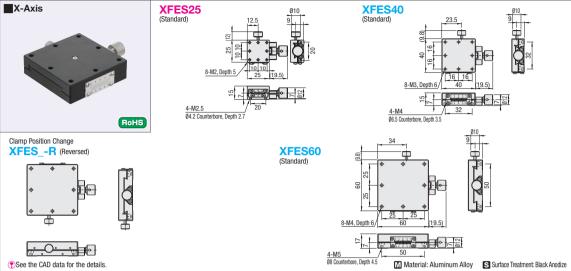
•Tightening Torque (Standard) (a) XDTS (Standard, Dovetail Slide, Rack & Pinion) Size 50 and 60: 0.1N·m; Size 90: 0.15N·m (b) XDTSC (Standard, Dovetail Slide, Low Profile, Back & Pinion) Size 50 and 60: 0.1N m: Size 90: 0.15N m

(c) XCRS (Standard, Cross Roller): 0.15N·m <Max. Holding Force (Ref.)> <Max. Holding Force (Ref.) depending on Tightening Torque> Max. Holding Force (Ref.) Tightening Torque (Standard at 100%) Тур









X-Axis Stages (PHigh Precision Stage Existing Product: XEG (P.1677)

Part Number			Stage Surface	Travel Distance	Travel per Knob	per Knob Load Capacity (N)		Travel Accuracy	Weight	Unit Price
Туре	No.	Clamp Position	_(mm)	(mm)	Rotation (mm)	Horizontal	Vertical	Straightness	(kg)	1~9 pc(s).
XFES	25	Not Specified	25x25	±5	0.5	29.4	9.8	50µm	0.04	
	40	(Standard)	40x40	±7					0.08	
	60	R (Reversed)	60x60	±8		39.2	19.6		0.18	

Resolution (Vernier Scale Indication): 0.1mm/division

Part Number

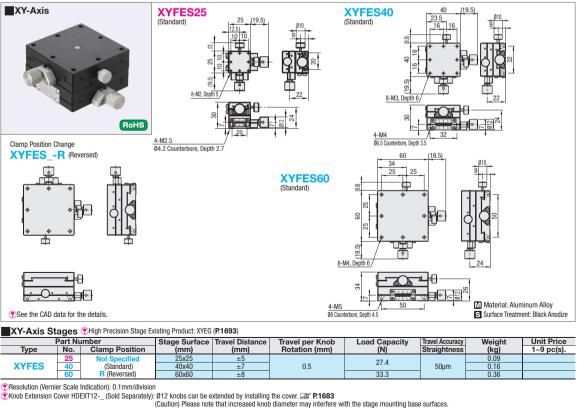
XVEES40

Example

Knob Extension Cover HDEXT12-_ (Sold Separately): Ø12 knobs can be extended by installing the cover. 🖅 P.1683 (Caution) Please note that increased knob diameter may interfere with the stage mounting base surfaces.



Configure Online



Configure Online

1-1645 [®]Max. Holding Force (Ref.) will vary depending on the tightening torque variations. Ensure adequate safety margins for design.