

XY Axis Preset Dovetail Translation Stages - Footprints

Stage Size 15 × 15 mm / 25 × 25 mm / 40 × 40 mm / 60 × 60 mm / 65 × 65 mm

TASB-2

RoHS

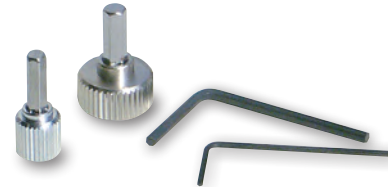
Preset dovetail translation stages with leadscrew actuators and locking mechanism. Ideal stages for system integration.

- Preset dovetail translation stages with leadscrew actuators and locking mechanism. Ideal stages for system integration.
- Ideal for system integration where fine alignment is made, the stage is locked, and the system is sealed or closed.
- Multiple square footprints available.
- Minimal protrusions, including the adjustment knob, to fit within tight locations.
- Lockable with the use of a small locking set screw and wrench.

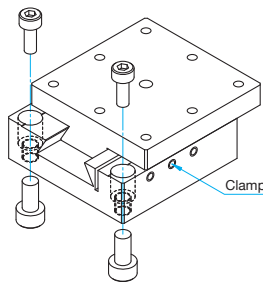


Guide

► A hex wrench, knurled knob, and locking wrench are included.

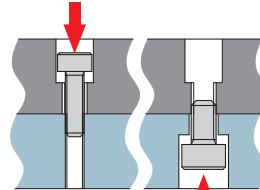


Mounting Method



Detailed Illustration

Clamp with a screw from the top



Top mounting

Tapped holes are used as counterbores because screws are smaller than tapped holes and will go in without any interference.

Bottom mounting

Clamp with screws that match the specification of tapped holes.

Clamp with a screw from the bottom

About Mounting Holes

The bottom mounting holes of preset stages are tapped holes. These stages allow mounting from the top or the bottom, convenient for securing on optical breadboards or other instruments as well as assembling in systems. Use the screws of the sizes listed in the table on the right for mounting.

Part Number	Secure from the top	Secure from the bottom
TASB-152	M2	M2.6
TASB-252	M2	M3
TASB-402	M3	M4
TASB-402UU	6-32UNC	—
TASB-602	M4	M5
TASB-652-M6	M6	M8
TASB-652UU	1/4-20UNC	5/16-18UNC

* When mounting from the top surface, slide the top surface to insert screws in mounting holes.

Specifications

Part Number	METRIC	TASB-152	TASB-252	TASB-402	TASB-602	TASB-652-M6
	INCH	—	—	TASB-402UU	—	TASB-652UU
Stage Size [mm]		15×15	25×25	40×40	60×60	65×65
Axes of Travel		XY axis				
Travel [mm]		±2	±3	±7	±10	±12.5
Screw Pitch [mm]		0.4	0.5	0.5	0.5	0.5
Guide Method		Dovetail method				
Primary Material		Brass				
Finish		Black matte				
Load Capacity [N]		9.8 (1.0kgf)	49 (5.0kgf)	98.1 (10.0kgf)	147 (15.0kgf)	147 (15.0kgf)
Travel Accuracy	Straightness [μm]	10	10	10	10	10
Max. Moment Capacity	Pitch [N·m]	0.5	2.0	3.75	5.1	5.1
	Roll [N·m]	0.5	2.0	3.75	5.1	5.1
	Yaw [N·m]	0.2	1.0	3.0	4.0	4.0
Moment Stiffness	Pitch [°/N·cm]	15	3.57	1.12	0.7	0.7
	Roll [°/N·cm]	15	3.57	1.12	0.7	0.7
Parallelism [μm]		100	100	100	100	100
Weight [kg]		0.03	0.11	0.3	0.83	1.12

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XYZ Axis Stages

Rotation Stages

Goniometer

Tilt Stages

Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

Others

15 × 15 mm

25 × 25 mm

40 × 40 mm

60 × 60 mm

65 × 65 mm

80 × 80 mm

100 × 100 mm

120 × 120 mm

Others

