

Mounting Method

• Multiple square footprints available.



X Axis Preset Dovetail Translation Stages - Footprints Stage Size 15 × 15 mm / 25 × 25 mm / 40 × 40 mm / 60 × 60 mm / 65 × 65 mm

• Minimal protrusions, including the adjustment knob, to fit within tight locations.



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.

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Ball Bearing Guide Crossed Roller

Dovetail

Lapping V Groove Screw

Ohters

15 × 15 mm 25 × 25 mm 40 × 40 mm $60 \times 60 \text{ mm}$ 65 × 65 mm 80 × 80 mm 100 x 100 mm 120 x 120 mm Others



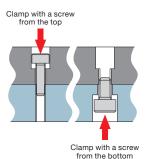
• Lockable with the use of a small locking set screw and wrench.

Guide

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



Detailed Illustration



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.

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	Part Number	Secure from the top	Secure from the bottom	
	TASB-151	M2	M2.6	
	TASB-251	M2	M3 M4	
	TASB-401	M3		
	TASB-401UU	6-32UNC	_	
	TASB-601	M4	M5	
	TASB-651-M6	M6	M8	
	TASB-651UU	1/4-20UNC	5/16-18UNC	
sizes listed in the table	* When mounting from the top surface, slide the			

Clamp

When mounting from the top surface, slide the on the right for mounting. top surface to insert screws in mounting holes.

Part Number	METRIC	TASB-151	TASB-251	TASB-401	TASB-601	TASB-651-M6	
	INCH	-	-	TASB-401UU	-	TASB-651UU	
Stage Size [mm]		15×15	25×25	40×40	60×60	65×65	
Axes of Travel		X 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	4.0	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]	8.0	2.0	0.61	0.4	0.35	
	Roll ["/N·cm]	7.0	1.5	0.51	0.3	0.35	
Parallelism [µm]		50	50	50	50	50	
Weight [kg]		0.02	0.06	0.2	0.5	0.7	

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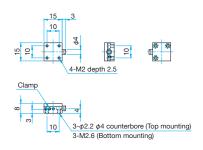




Outline Drawing

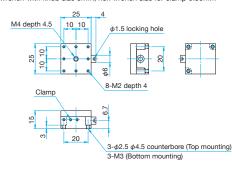
TASB-151

Pan head screw M2×5...3 screws, One 2.5mm hex wrench with knob, One 0.89mm hex wrench hex wrench with knob size 2.5mm, hex wrench size for clamp 0.89mm



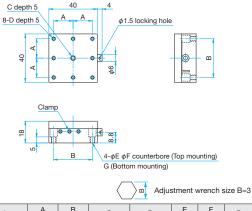
TASB-251

Pan head screw M2×6...3 screws, One 3mm hex wrench with knob, One 0.89mm hex wrench lex wrench with knob size 3mm, hex wrench size for clamp 0.89mm



TASB-401/401UU

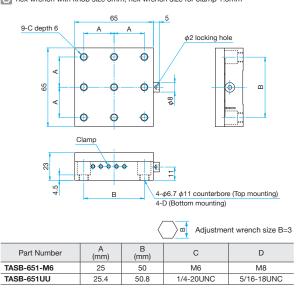
- Pan head screw M3x8...4 screws, One 3mm hex wrench with knob, One 1.5mm hex wrench Hexagonal socket head cap screw 6-32UNC×3/8...4 screws, One 3mm hex wrench with knob, One 1.5mm hex wrench (UU)
- hex wrench with knob size 3mm, hex wrench size for clamp 1.5mm



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Part Number	A (mm)	B (mm)	С	D	E (mm)	F (mm)	G
TASB-401	16	32	M4	M3	3.3	6	4-M4
TASB-401UU	15.875	31.75	8-32UNC	6-32UNC	4	6.5	\sim

TASB-651-M6/651UU

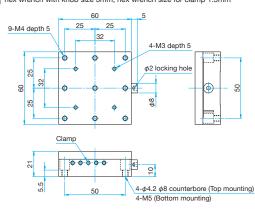
- Hexagonal socket head cap screw M6×12...4 screws, One 3mm hex wrench with knob, One 1.5mm hex wrench (M6)
 Hexagonal socket head cap screw 1/4-20UNC×1/2...4 screws, One 3mm hex wrench with knob, One 1.5mm hex wrench (UU)
- hex wrench with knob size 3mm, hex wrench size for clamp 1.5mm





Hexagonal socket head cap screw M4×10...4 screws, One 3mm hex wrench with knob, One 1.5mm hex wrench

bex wrench with knob size 3mm, hex wrench size for clamp 1.5mm



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