

Large scale, high load Z-axis "Jack" translation stage.



- By turning the larger wheel adjustment knobs, the stage will move up and down. These knobs will move together because they are interlocked.
- The center stage aperture remains constant throughout the travel range.

Guide

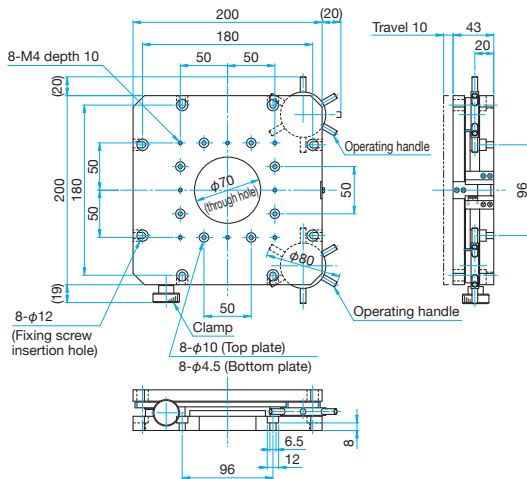
► Stage Size is 300 × 300mm, 400 × 400mm also available. See our website. [WEB Reference](#) **Catalog Code** W7505



Outline Drawing

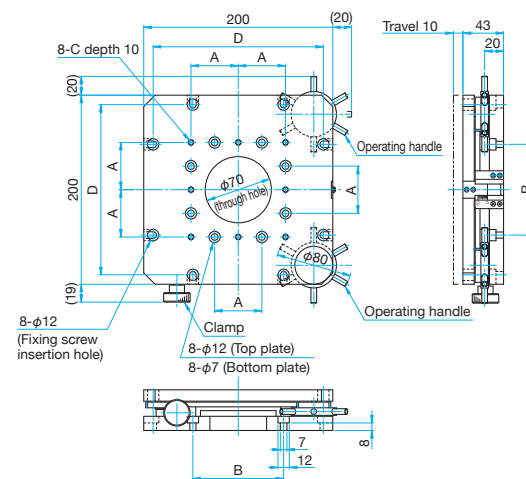
TSM-2003

Hexagonal socket head cap screw M6×15...8 screws, Flat washers



TSM-2003-M6/2003UU

Hexagonal socket head cap screw M6×15...8 screws, Flat washers (M6)
Hexagonal socket head cap screw 1/4-20UNC×5/8...8 screws (UU)



Part Number	A (mm)	B (mm)	C	D (mm)
TSM-2003-M6	50	96	M6 P1	180
TSM-2003UU	50.8	96	1/4-20UNC	177.8

Specifications

Part Number	METRIC	TSM-2003	TSM-2003-M6
	INCH	—	TSM-2003UU
Stage Size [mm]		200×200	200×200
Axes of Travel		Z axis	
Travel [mm]		10	10
Lead of Actuator [mm/rotation]		1.0	1.0
Readable Resolution [mm]		1	1
Guide Method		Jack screw method	
Primary Material		Aluminum	
Finish		Black anodized	
Load Capacity [N]		490 (50.0kgf)	490 (50.0kgf)
Travel Accuracy	Straightness [μm]	200	200
Max. Moment Capacity	Pitch [N·m]	4.9	4.9
	Roll [N·m]	4.9	4.9
Moment Stiffness	Pitch [°/N·cm]	0.05	0.05
	Roll [°/N·cm]	0.05	0.05
Parallelism [μm]		150	150
Weight [kg]		5.0	5.0

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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