

Rotation Stages

Rotation Stages with Square Top

KSC
KSSA

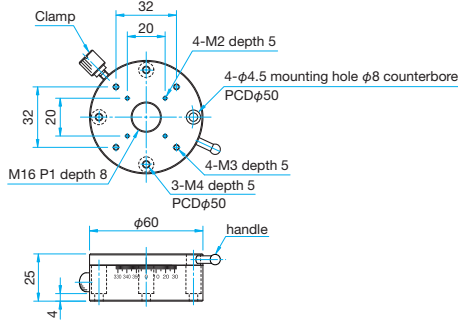
RoHS Catalog Code W7506
RoHS Catalog Code W7508

The KSC stage is Light weight, simple rotation stage. Manually positioned using handle with lock for securing position after adjustment.
The KSSA stages are fine rotation stages having a square table top. These stages are suitable for making minute angle adjustment in applications where a minimal footprint is desired.



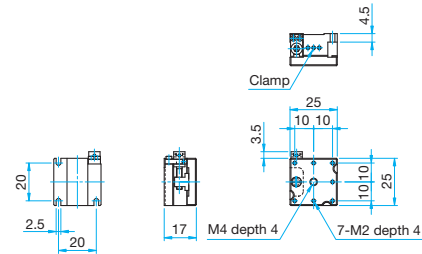
Outline Drawing

KSC-606 Hexagonal socket head cap screw M4x8...4 screws



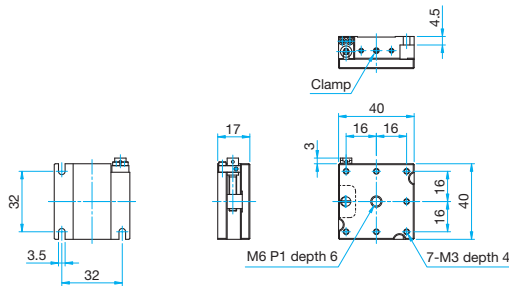
KSSA-256

Hexagonal socket head cap screw M2x8...3 screws,
One 3mm hex wrench with knob, One 0.89mm hex wrench
Wrench size for adjustment 3mm, Wrench size for clamp 0.89mm



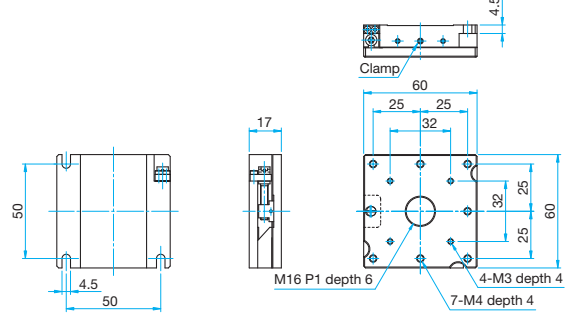
KSSA-406

Hexagonal socket head cap screw M3x8...3 screws,
One 3mm hex wrench with knob, One 1.5mm hex wrench
Wrench size for adjustment 3mm, Wrench size for clamp 1.5mm



KSSA-606

Hexagonal socket head cap screw M4x8...3 screws,
One 3mm hex wrench with knob, One 1.5mm hex wrench
Wrench size for adjustment 3mm, Wrench size for clamp 1.5mm



Specifications

Part Number	METRIC	KSC-606	KSSA-256	KSSA-406	KSSA-606
Stage Size [mm]		φ60	25x25	40x40	60x60
Rotation Range [°]		360	±3	±5	±7
Scale Readable Resolution		1°	—	—	—
Micrometer Readable Resolution [°]		—	about 3.18	about 1.92	about 1.47
Guide Method		Lapping method		Dovetail method	
Primary Material		Aluminum		Brass	
Finish		Black anodized		Super black chrome	
Load Capacity [N]		68.6 (7.0kgf)	29.4 (3.0kgf)	49.0 (5.0kgf)	68.6 (7.0kgf)
Max. Moment Capacity [N·m]		—	—	—	—
Moment Stiffness ["/N·cm]		1.5	2.0	1.5	1.0
Parallelism [μm]		50	50	50	50
Eccentricity [μm]		20	—	—	—
Wobble [μm]		20	—	—	—
Weight [kg]		0.19	0.09	0.23	0.5

* When using the M3 or M4 screws in the screw hole on the top surface of this stage, please use the screws within the length of the tap depth. There is a risk of damaging the sliding surface.

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Dovetail

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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