

α Axis Goniometers $\alpha\beta$ Axis Goniometers

GOH-60A
GOH-60B

Stage Size 60 × 60 mm

RoHS

RoHS

Goniometers with dovetail slide and worm gear construction for angular adjustment of heavy loads.

- Vernier scales for reading angular position.
- Locking mechanism clamps dovetail to minimize movement.



Attention

- Locking mechanism is operated using thumbscrew on side of stage.

Application Systems

Optics & Optical Coatings

Opto-Mechanics

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X Axis Stages

XY Axis Stages

Z Axis Stages

XZ Axis Stages

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

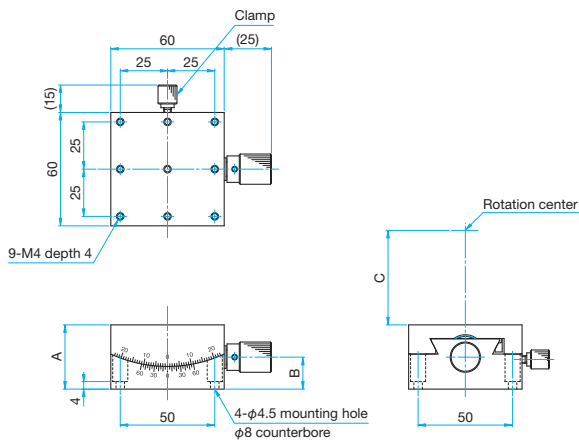
Specifications

Part Number	METRIC	GOH-60A50	GOH-60A84	GOH-60A115	GOH-60B50	GOH-60B84
(Opposite Model)	METRIC	GOH-60A50R	GOH-60A84R	GOH-60A115R	GOH-60B50R	GOH-60B84R
Stage Size [mm]		60×60	60×60	60×60	60×60	60×60
Axes of Travel		α axis			$\alpha\beta$ axis	
Rotation Center Height [mm]		50±0.1	84±0.1	115±0.1	50±0.1	84±0.1
Angle Range [°]	(Upper) β axis	—	—	—	±20	±15
	(Lower) α axis	±20	±15	±10	±15	±10
Vernier Readable Resolution		5'	5'	5'	5'	5'
Travel per Knob Rotation [°]	(Upper) β axis	—	—	—	about 1.03	about 0.71
	(Lower) α axis	about 1.03	about 0.71	about 0.58	about 0.71	about 0.58
Rotation Center Displacement [mm]		φ0.1 or less	φ0.1 or less	φ0.1 or less	φ0.1 or less	φ0.1 or less
Guide Method		Dovetail slide method				
Primary Material		Brass				
Finish		Super black chrome				
Load Capacity [N]		98 (10.0kgf)	98 (10.0kgf)	98 (10.0kgf)	98 (10.0kgf)	98 (10.0kgf)
Max. Moment Capacity	Pitch [N·m]	1.6	1.6	1.6	1.6	1.6
	Roll [N·m]	2.2	2.2	2.2	1.6	1.6
Moment Stiffness	Roll [°/N·cm]	0.3	0.3	0.3	—	—
Parallelism [μm]		50	50	50	100	100
Weight [kg]		1.0	0.9	0.85	1.9	1.75



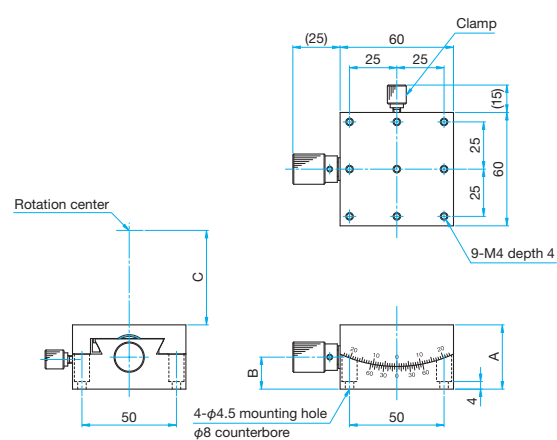
Outline Drawing

GOH-60A** Hexagonal socket head cap screw M4x8...4 screws



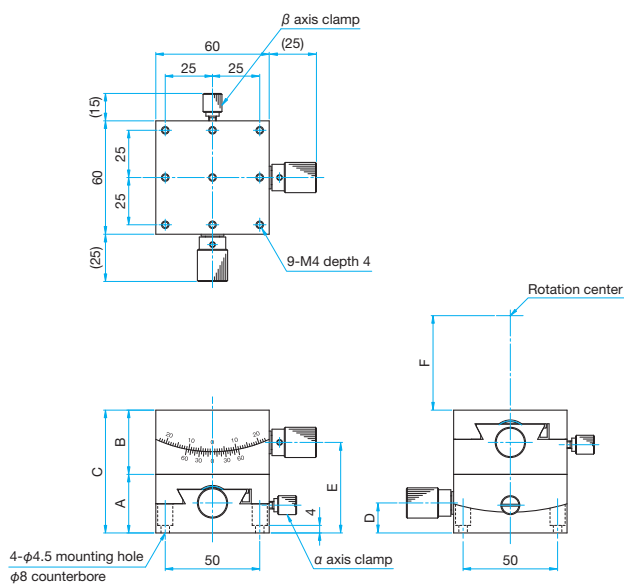
Part Number	A (mm)	B (mm)	C (mm)
GOH-60A50	34	16.9	50
GOH-60A84	31	15.9	84
GOH-60A115	24	10	115

GOH-60A**R Hexagonal socket head cap screw M4x8...4 screws



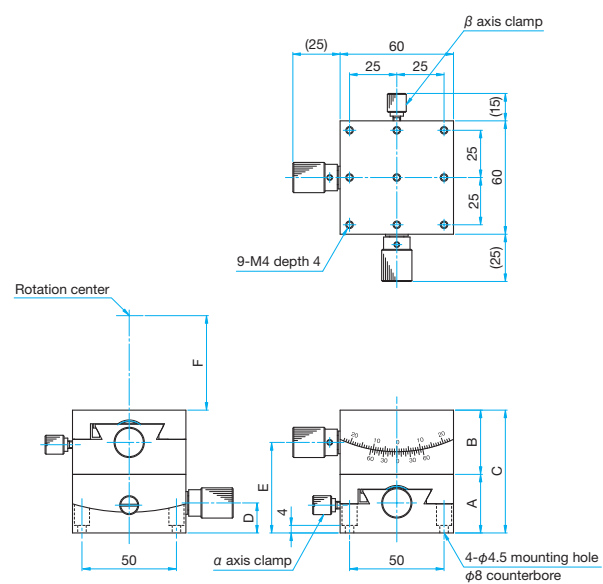
Part Number	A (mm)	B (mm)	C (mm)
GOH-60A50R	34	16.9	50
GOH-60A84R	31	15.9	84
GOH-60A115R	24	10	115

GOH-60B** Hexagonal socket head cap screw M4x8...4 screws



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
GOH-60B50	31	34	65	15.9	47.9	50
GOH-60B84	24	31	55	10	39.9	84

GOH-60B**R Hexagonal socket head cap screw M4x8...4 screws



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
GOH-60B50R	31	34	65	15.9	47.9	50
GOH-60B84R	24	31	55	10	39.9	84

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