

α axis Leadscrew Goniometers with V-Groove Guide Stage Size 40 × 40 mm

GOHB-40A

RoHS

Catalog
Code

W7102

Aluminum goniometers incorporating a V-groove guide and leadscrew drive for enhanced durability.



- Rotation center is larger than the conventional goniometers (GOH).

Guide

- ▶ Contact our Sales Division if you desire a rotation center height not listed in the catalog.

Attention

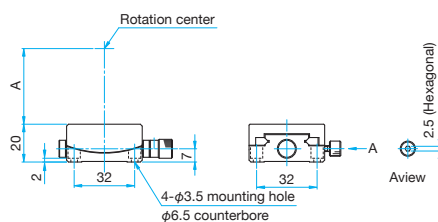
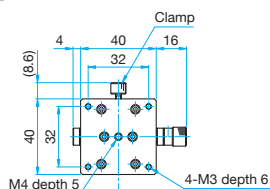
- ▶ The vernier scale is not attached.



Outline Drawing

GOHB-40A**

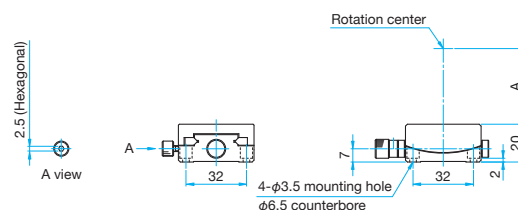
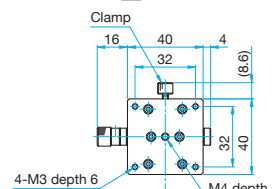
Hexagonal socket head cap screw M3×6...4 screws 2.5mm



Part Number	A (mm)
GOHB-40A40	40
GOHB-40A60	60
GOHB-40A100	100
GOHB-40A120	120

GOHB-40A**R

Hexagonal socket head cap screw M3×6...4 screws 2.5mm



Part Number	A (mm)
GOHB-40A40R	40
GOHB-40A60R	60
GOHB-40A100R	100
GOHB-40A120R	120

Specifications

Part Number	METRIC	GOHB-40A40	GOHB-40A60	GOHB-40A100	GOHB-40A120
(Opposite Model)	METRIC	GOHB-40A40R	GOHB-40A60R	GOHB-40A100R	GOHB-40A120R
Stage Size [mm]		40×40	40×40	40×40	40×40
Axes of Travel		α axis			
Rotation Center Height [mm]		40±0.1	60±0.1	100±0.1	120±0.1
Angle Range [°]		±8	±6	±4	±3
Travel per Knob Rotation [°]		about 0.54	about 0.39	about 0.25	about 0.22
Rotation Center Displacement [mm]		φ0.05 or less	φ0.05 or less	φ0.05 or less	φ0.05 or less
Guide Method		V groove method			
Primary Material		Brass			
Finish		Super black chrome			
Load Capacity [N]		39.2 (4.0kgf)	39.2 (4.0kgf)	39.2 (4.0kgf)	39.2 (4.0kgf)
Max. Moment Capacity	Pitch [N·m]	1.0	1.0	1.0	1.0
	Roll [N·m]	2.0	2.0	2.0	2.0
	Yaw [N·m]	2.0	2.0	2.0	2.0
Moment Stiffness	Pitch [°/N·cm]	0.5	0.5	0.5	0.5
	Roll [°/N·cm]	0.4	0.4	0.4	0.4
	Yaw [°/N·cm]	0.35	0.35	0.35	0.35
Weight [kg]		0.25	0.25	0.25	0.25

Application
SystemsOptics &
Optical
CoatingsOpto-
Mechanics

Bases

Manual
StagesActuators &
AdjustersMotorized
StagesLight Sources &
Laser Safety

Index

Guide

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