α Axis Stainless Steel Goniometers
αβ Axis Stainless Steel Goniometers

GOHS-40A Stage Size 40 × 40 mm RoHS Catalog Code W7099
GOHS-40B Stage Size 40 × 40 mm RoHS Catalog Code W7107

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

- Designed for use in hard vacuum applications, Both the stage and micrometer are made from stainless steel and come with high grade vacuum grease.
- Also ideal for use in airtight and contamination sensitive spaces where minimal outgassing is required.

Guide

▶The TSDS series stages are suitable for use in clean rooms or vacuum applications.
Reference Vacuum measurement data E205
Also ideal for use in airtight spaces that have to avoid outgassing.

Attention

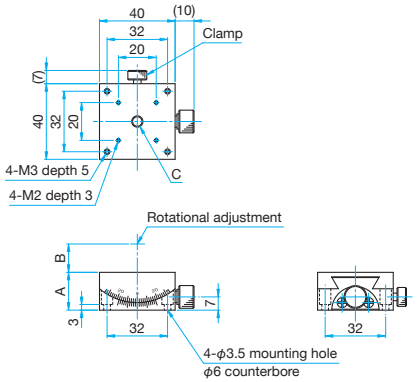
▶Locking mechanism is operated using thumbscrew on side of stage.

2D CAD 3D CAD

Outline Drawing

GOHS-40A15/35

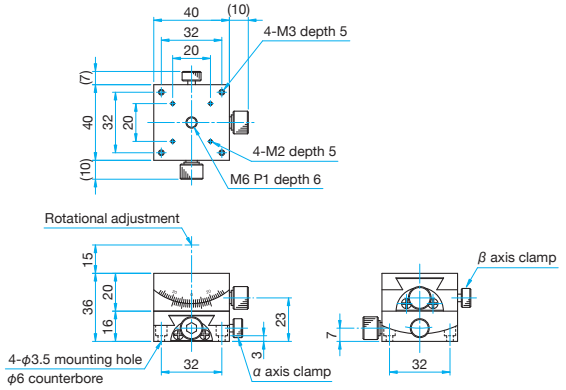
Hexagon socket head cap screw (stainless steel construction) M3×6…4 screws
2.5mm



Part Number	A (mm)	B (mm)	C
GOHS-40A15	20	15	M6 P1 depth 6
GOHS-40A35	16	35	M4 depth 4

GOHS-40B15

Hexagon socket head cap screw (stainless steel construction) M3×6…4 screws
2.5mm



Specifications

Part Number	METRIC	GOHS-40A15	GOHS-40A35	GOHS-40B15
Stage Size [mm]		40×40	40×40	40×40
Axes of Travel		α axis		αβ axis
Rotation Center Height [mm]		15±0.1	35±0.1	15±0.1
Angle Range [°]		±20	±20	±20
Vernier Readable Resolution		12′	12′	12′
Travel per Knob Rotation [°]	(Upper) β axis	—	—	about 2.83°
	(Lower) α axis	about 2.83°	about 1.74°	about 1.74°
Rotation Center Displacement [mm]		φ2mm or less	φ2mm or less	φ2mm or less
Guide Method		Dovetail slide method		
Primary Material		Stainless steel		
Finish		None		
Load Capacity [N]		68.7 (7.0kgf)	68.7 (7.0kgf)	68.7 (7.0kgf)
Max. Moment Capacity	Pitch [N·m]	0.9	0.9	0.9
	Roll [N·m]	1.2	1.2	0.9
Moment Stiffness	Roll [″/N·m]	0.51	0.51	—
Parallelism [μm]		50	50	100
Weight [kg]		0.25	0.2	0.45