α Axis Stainless Steel Goniometers $\alpha\beta$ Axis Stainless Steel Goniometers

GOHS-40A Stage Size 40 × 40 mm GOHS-40B Stage Size 40 × 40 mm







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

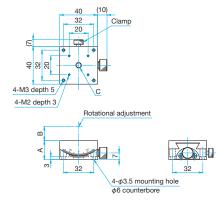
▶ Locking mechanism is operated using thumbscrew on side of stage.



Outline Drawing

GOHS-40A15/35

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

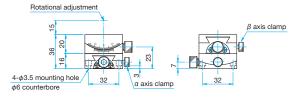


Part Number	A (mm)	B (mm)	С
GOHS-40A15	20	15	M6 P1 depth 6
GOHS-40A35	16	35	M4 depth 4

GOHS-40B15

Hexagon socket head cap screw (stainless steel construction) M3×6...4 screws





Specifications					
Part Number	METRIC	GOHS-40A15	GOHS-40A35	GOHS-40B15	
Stage Size [mm]		40×40	40×40	40×40	
Axes of Travel		α axis		$\alpha \beta$ 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) a 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					
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	

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XY Axis Stages

Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

Gonio
Tilt Stages

Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

Ohters

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