

α Axis Goniometers –M6– $\alpha\beta$ Axis Goniometers –M6–

GOH-65A
GOH-65B

Stage Size 65 × 65 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 &
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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

Specifications						
Part Number	METRIC	GOH-65A50-M6	GOH-65A76-M6	GOH-65A100-M6	GOH-65B50-M6	GOH-65B76-M6
	INCH	GOH-65A50UU	GOH-65A76UU	GOH-65A100UU	GOH-65B50UU	GOH-65B76UU
(Opposite Model)	METRIC	GOH-65A50R-M6	GOH-65A76R-M6	GOH-65A100R-M6	GOH-65B50R-M6	GOH-65B76R-M6
	INCH	GOH-65A50RUU	GOH-65A76RUU	GOH-65A100RUU	GOH-65B50RUU	GOH-65B76RUU
Stage Size [mm]		65×65	65×65	65×65	65×65	65×65
Axes of Travel		α axis			$\alpha\beta$ axis	
Rotation Center Height [mm]		50±0.1	76±0.1	100±0.1	50±0.1	76±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 1.16	about 0.84
	(Lower) α axis	about 1.16	about 0.84	about 0.65	about 0.84	about 0.65
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]	1.0	1.0	1.0	1.0	1.0
	Roll [N·m]	1.5	1.5	1.5	1.5	1.5
Moment Stiffness		0.3	0.3	0.3	—	—
Parallelism [μm]		50	50	50	100	100
Weight [kg]		0.88	0.86	0.86	1.74	1.72

