

## Cross Roller Goniometer Stage (Worm type) □50: B56/B57-50 Series

### 1-axis

B56-50 series B56-50W



B56-50R series B56-50WR



### 2-axis

B57-50 series B57-50U



■ High cost performance goniometer stage which dovetail system is adapted for a travel guide, and worm gear system is adapted for feeding mechanism.  
Center of rotation runout accuracy is under 0.01mm(1-axis)  
Ideal for use in repeatability motion with good operation.

### Other 50 x 50mm stage

- Cross roller goniometer stage

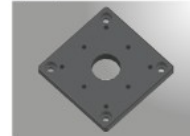


Micrometer  
Center pushing type  
B58-50A series  
P.2-155~



Micrometer  
Side pushing type  
B58-50C series  
P.2-161~

### Adaptor plate



Conversion plate for mounting  
difference size stage  
A49 series  
P.2-183~

X

XY

Z

Horizontal  
Z

XZ

Horizontal  
XZ

XYZ

Horizontal  
XYZ

Goniometer

Rotary

Unit

Accessories

Dovetail

Cross  
Roller

□25

□30

□40

□50

□60

□70

□80

□100

□120

Other

SPEC					
Axis	1-axis			2-axis	
Model	B56-50U	B56-50L	B56-50W	B57-50U	B57-50L
(Opposite hand)	B56-50UR	B56-50LR	B56-50WR	B57-50UR	B57-50LR
Stage table size	50×50mm				
Heights of the center of rotation	50±0.2mm	68±0.2mm	86±0.2mm	50±0.4mm	68±0.4mm
Center of rotation precision	Under 0.01mm			—	
Travel distance	±10.0°	±8.0°	±6.0°	(Up) ±10° (Down) ±8°	(Up) ±8° (Down) ±6°
Vernier minimum reading	Vernier scale0.1°				
Travel per Knob	≒1.56°	≒1.20°	≒0.96°	(Up) ≒1.56° (Down) ≒1.20°	(Up) ≒1.20° (Down) ≒0.96°
Guide	Cross roller guide				
Load capacity	3.0kgf [29.4N]			2.7kgf [26.5N]	
Allowable load for moment	Pitch	1.5N・m		1.5N・m	
	Yaw	1.2N・m		1.2N・m	
	Roll	2.5N・m		1.5N・m	
Moment rigidity	Pitch	0.42″/N・cm		0.65″/N・cm	
	Yaw	0.16″/N・cm		0.32″/N・cm	
	Roll	0.23″/N・cm		0.65″/N・cm	
Weight	0.31kg			0.62kg	
Main material—Surface finishing	Brass/Phosphor bronze—Nickel and Chrome plated				
Provided screws (Hex socket screws)	4 of M3—6				