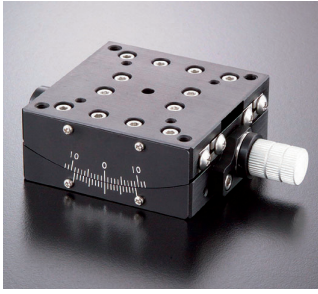


Cross Roller Goniometer Stage (Worm type) □60: B56/B57-60S Series

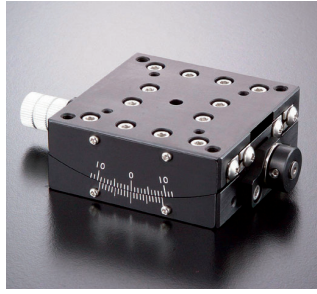
RoHS

1-axis

B56-60S series (B56-60SU)



B56-60SR series (B56-60SUR)



2-axis

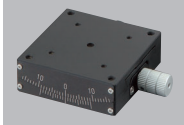
B57-60S series (B57-60SU)



■ High cost performance gonio 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 60×60mm Stage

- Dovetail goniometer stage



B54-60 series
▶ P.2-145~

- Cross roller goniometer stage



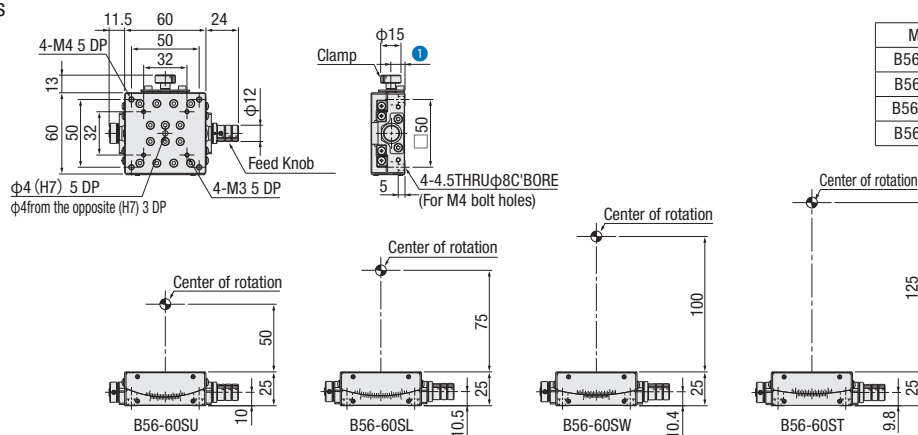
Micrometer
Side pushing type
B58-60C series
▶ P.2-163~

SPEC

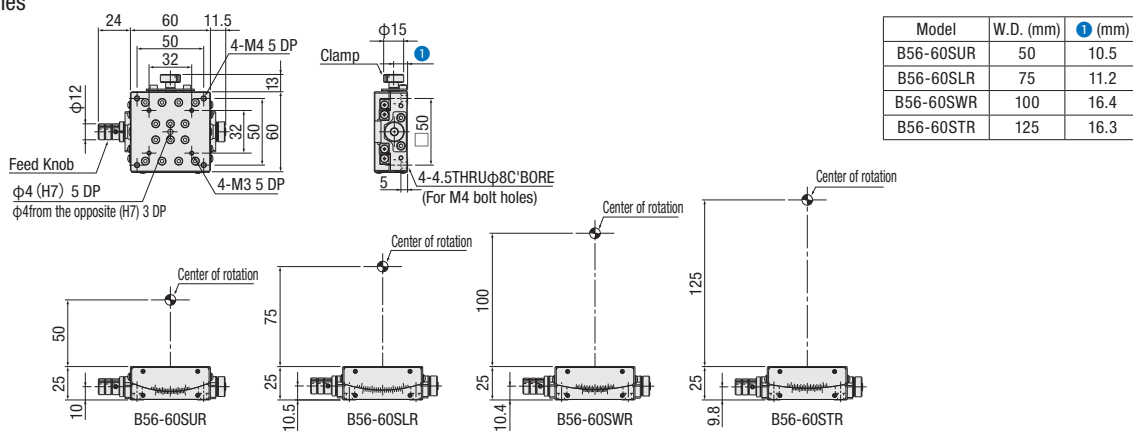
Axis	1-axis				2-axis		
Model	B56-60SU	B56-60SL	B56-60SW	B56-60ST	B57-60SU	B57-60SL	B57-60SW
(Opposite hand)	B56-60SUR	B56-60SLR	B56-60SWR	B56-60STR	B57-60SUR	B57-60SLR	B57-60SWR
Stage table size	60×60mm						
Heights of the center of rotation	50±0.2mm	75±0.2mm	100±0.2mm	125±0.2mm	50±0.4mm	75±0.4mm	100±0.4mm
Center of rotation precision	Under 0.01mm						
Travel distance	±10.0°	±8.0°	±5.0°	±4.0°	(Up) ±10° (Down) ±8°	(Up) ±8° (Down) ±5°	(Up) ±5° (Down) ±4°
Vernier minimum reading	Vernier scale 0.10°		Vernier scale 0.05°				
Travel per Knob	≒2.25°	≒1.60°	≒1.25°	≒1.00°	(Up) ≒2.25° (Down) ≒1.60°	(Up) ≒1.60° (Down) ≒1.25°	(Up) ≒1.25° (Down) ≒1.00°
Guide	Cross roller guide						
Load capacity	5.0kgf [49.0N]				4.7kgf [46.0N]		
Allowable load for moment	Pitch	1.5N · m				1.5N · m	
	Yaw	2.0N · m				2.0N · m	
	Roll	2.6N · m				1.5N · m	
Moment rigidity	Pitch	0.27"/N · cm				0.37"/N · cm	
	Yaw	0.09"/N · cm				0.18"/N · cm	
	Roll	0.10"/N · cm				0.37"/N · cm	
Weight	0.33kg				0.66kg		
Main material—Surface finishing	Aluminum—Black alumite processing						
Provided screws (Hex socket screws)	4 of M4—10						

Dimensional outline drawings (1-axis)

B56-60S series

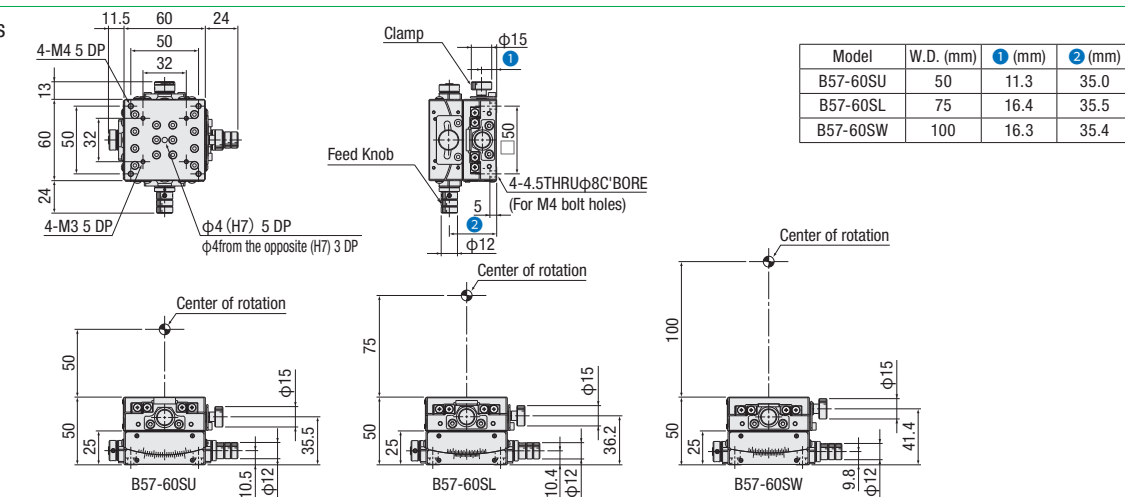


B56-60SR series

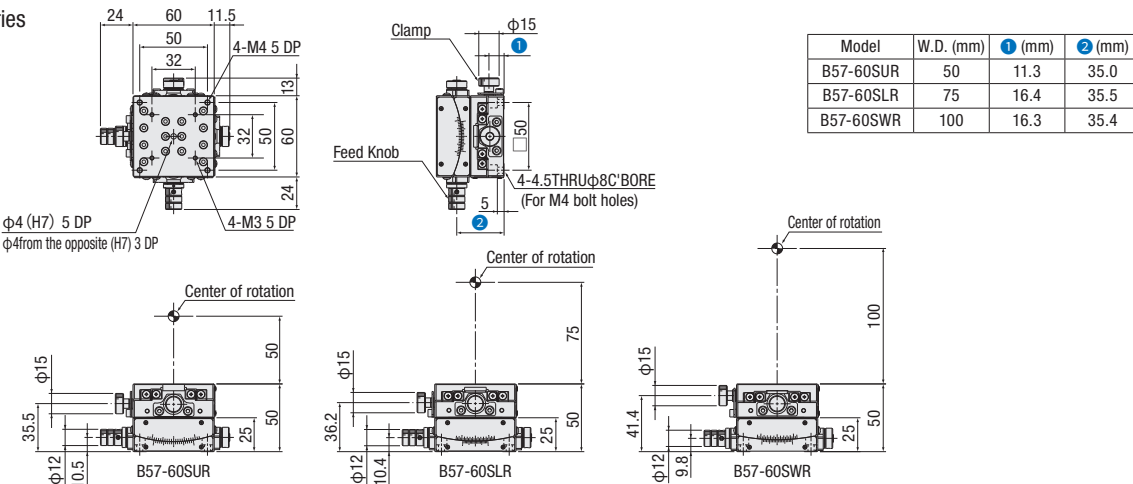


Dimensional outline drawings (2-axis)

B57-60S series



B57-60SR series



Manual goniometer stage

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

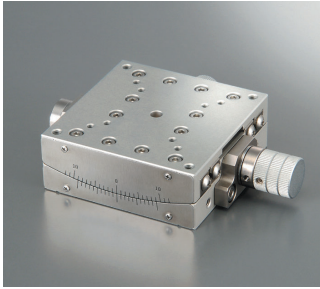
Other

Cross Roller Goniometer Stage (Worm type) □70: B56/B57-70S Series

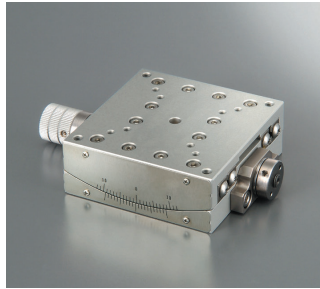
RoHS

1-axis

B56-70S series B56-70SU

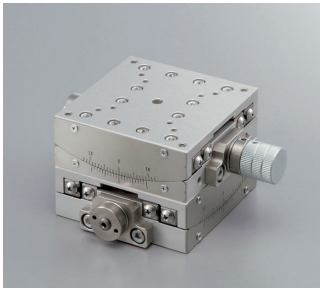


B56-70SR series B56-70SUR



2-axis

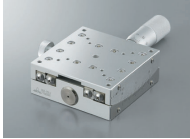
B57-70S series B57-70SU



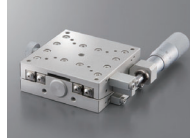
■ High cost performance gonio stage which dovetail system is adapted for a travel guide, and worm gear system is adapted for feeding mechanism.
Center of rotation runout accuracy is under 0.01mm(1-axis)
Ideal for use in repeatability motion with good operation.

Other 70×70mm Stage

- Cross roller goniometer stage



Micrometer
Center pushing type
B58-70A series
▶ P.2-157~



Micrometer
Side pushing type
B58-70C series
▶ P.2-165~

Manual goniometer stage

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

2-B56

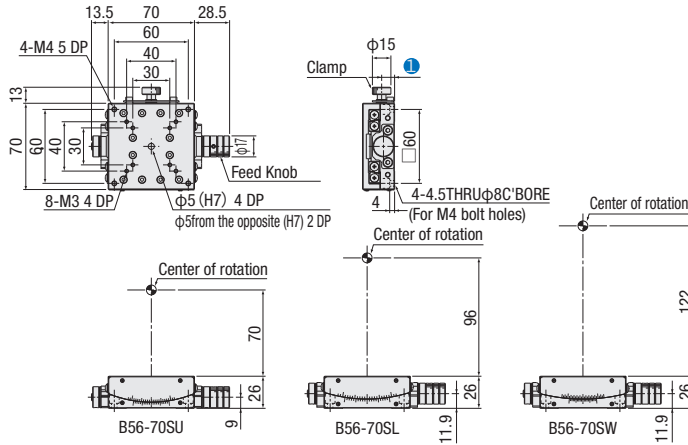
153

SPEC

Axis	1-axis			2-axis	
Model	B56-70SU	B56-70SL	B56-70SW	B57-70SU	B57-70SL
(Opposite hand)	B56-70SUR	B56-70SLR	B56-70SWR	B57-70SUR	B57-70SLR
Stage table size	70×70mm				
Heights of the center of rotation	70±0.2mm	96±0.2mm	122±0.2mm	70±0.4mm	96±0.4mm
Center of rotation precision	Under 0.01mm				
Travel distance	±9.0°	±7.0°	±5.0°	(Up) ±9° (Down) ±7°	(Up) ±7° (Down) ±5°
Vernier minimum reading	Vernier scale 0.1°			(Up) 0.10° (Down) 0.10°	(Up) 0.10° (Down) 0.10°
Travel per Knob	≒1.53°	≒1.20°	≒0.96°	(Up) ≒1.53° (Down) ≒1.20°	(Up) ≒1.20° (Down) ≒0.96°
Guide	Cross roller guide				
Load capacity	5.0kgf [49.0N]			4.5kgf [44.1N]	
Allowable load for moment	Pitch	3.6N · m			3.6N · m
	Yaw	2.8N · m			2.8N · m
	Roll	5.7N · m			3.6N · m
Moment rigidity	Pitch	0.17"/N · cm			0.23"/N · cm
	Yaw	0.06"/N · cm			0.12"/N · cm
	Roll	0.06"/N · cm			0.23"/N · cm
Weight	0.57kg			1.14kg	
Main material—Surface finishing	Aluminum—White alumite processing				
Provided screws (Hex socket screws)	4 of M4—8				

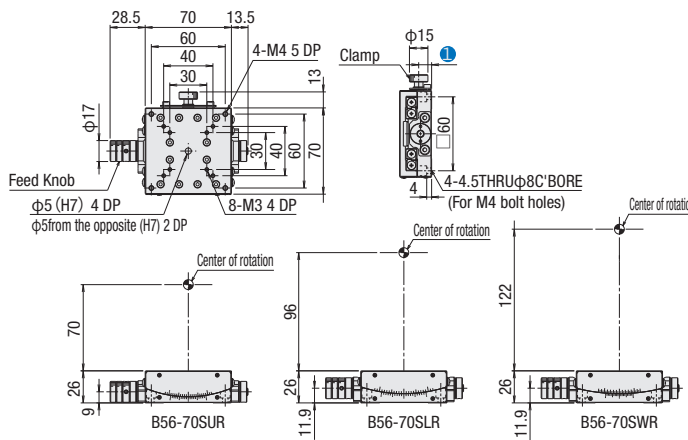
Dimensional outline drawings (1-axis)

B56-70S series



Model	W.D. (mm)	ϕ (mm)
B56-70SU	70	10.5
B56-70SL	96	12.5
B56-70SW	122	12.5

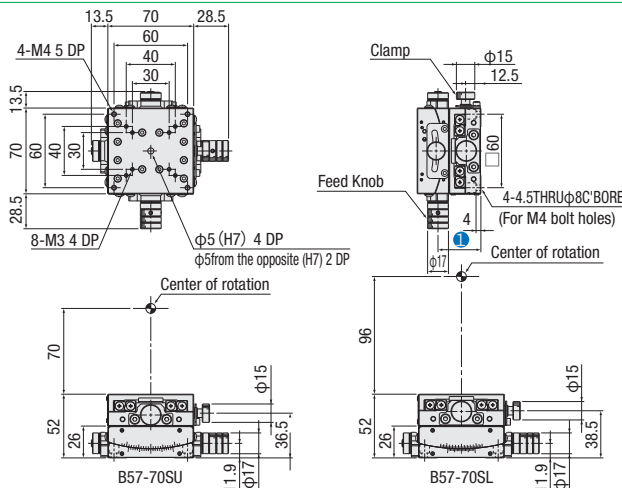
B56-70SR series



Model	W.D. (mm)	ϕ (mm)
B56-70SUR	70	10.5
B56-70SLR	96	12.5
B56-70SWR	122	12.5

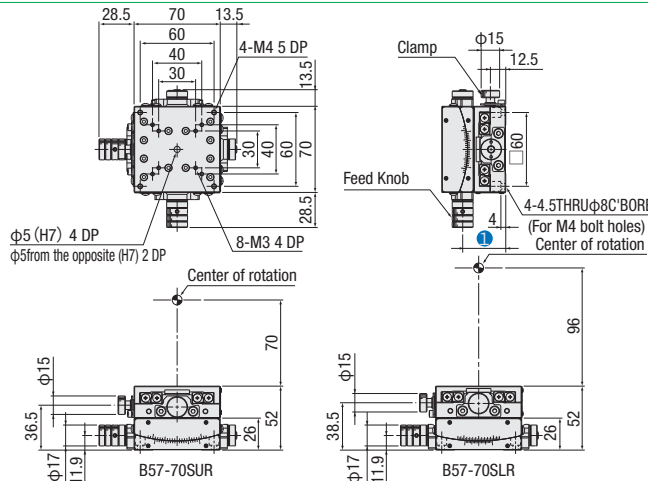
Dimensional outline drawings (2-axis)

B57-70S series



Model	W.D. (mm)	ϕ (mm)
B57-70SU	70	35
B57-70SL	96	37.9

B57-70SR series



Model	W.D. (mm)	ϕ (mm)
B57-70SUR	70	35
B57-70SLR	96	37.9

Manual goniometer stage

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

2-B56

154