

Manual Stage

Rotary Stage (Cross Roller Bearing Type) $\phi 85 \cdot 100$: B44/B47 Series

Manual Rotation Stage

B44-85N



B47-100AN



Transmission hole type

Available coarse motion 360degree and fine motion(micrometer head). Rigidity is better than fitting type.

RoHS

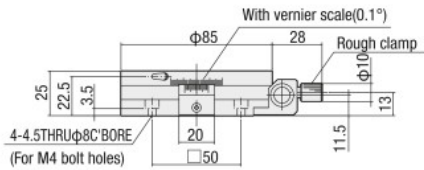
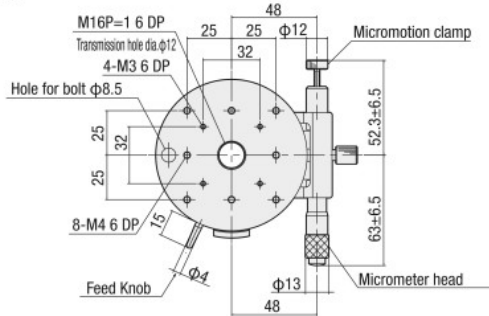
Transmission hole XY-axis cross roller guide B27 series P.2-077~

SURUGA SEIKI

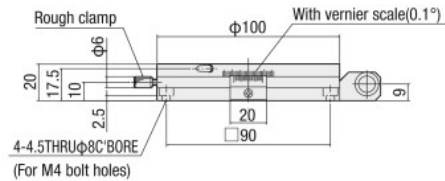
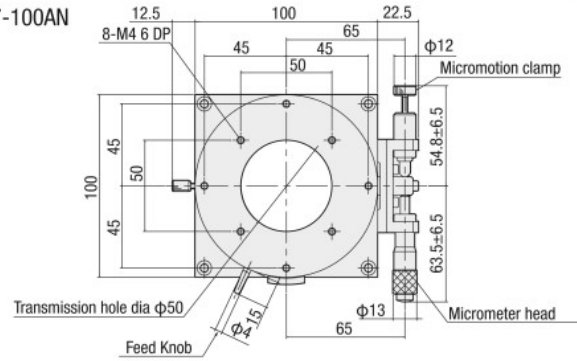
CAD 3D·2D

Dimensional outline drawings

B44-85N



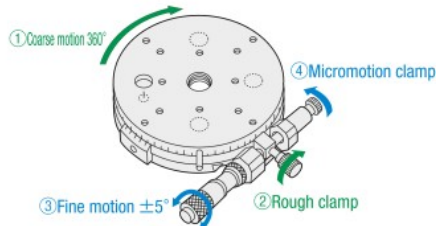
B47-100AN



How to use a rotary stage

Micromotion positioning after rough positioning

- ① A rough adjustment to the target angle with feeding knob
- ② Squeeze a rough clamp and fix.
- ③ A micromotion adjustment to the target angle with micrometer.
- ④ Squeeze a micromotion clamp and fix.



Fitting Type

Cross Roller

SPEC

	B44-85N	B47-100AN
Model	B44-85N	B47-100AN
(Opposite hand)	B44-85NR	B47-100ANR
Stage table size	$\phi 85\text{mm}$	$\phi 100\text{mm}$
Travel distance	Coarse motion 360° Fine motion $\pm 5^\circ$	
Vernier minimum reading	Vernier scale 0.1°	
Minimum reading of micrometer	$\approx 43''/\text{Scale}$	$\approx 32''/\text{Scale}$
Guide	Cross roller bearing	
Load capacity	6.0kgf [58.8N]	
Allowable load for moment	5.0N · m	
Moment rigidity	0.36''/N · cm	0.13''/N · cm
Parallelism	50 μm	
Eccentricity amount	50 μm	
Runout amount	20 μm	
Weight	0.43kg	0.45kg
Main material—Surface finishing	Aluminum—Black alumite processing	
Provided screws (Hex socket screws)	4 of M4—8	4 of M4—6