

Rotary Stage (Fitting Type) $\phi 24 \sim 110$: B43 Series

Manual rotation stage

B43-25



B43-38N

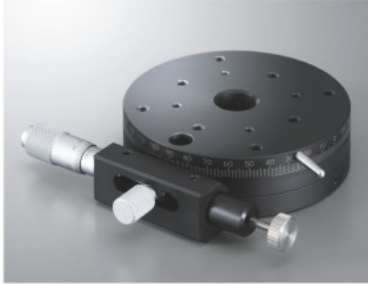


B43-60N



RoHS

B43-85N

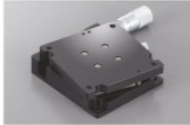


B43-110N



■ Cross roller bearing stage that is available a rough motion 360 deg. rotation and micromotion (micrometer head).
Low price.
Ideal for use in R&D, integrating device and much more.

• Square rotation type (BRE series)

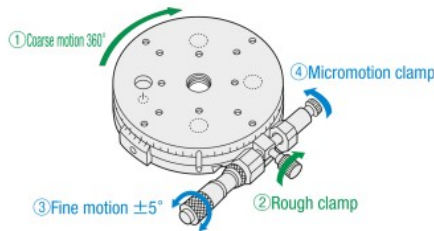


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How to use a rotary stage

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.



X

XY

Z

Horizontal Z

XZ

Horizontal XZ

XYZ

Horizontal XYZ

Goniometer

Rotary

Unit

Accessories

Fitting Type

Cross Roller

$\phi 24$

$\phi 38$

$\phi 60$

$\phi 85$

$\phi 100$

$\phi 110$

SPEC

Model	B43-25	B43-38N	B43-60N	B43-85N	B43-110N
(Opposite hand)	B43-25R	B43-38NR	B43-60NR	B43-85NR	B43-110NR
Stage table size	$\phi 24\text{mm}$	$\phi 38\text{mm}$	$\phi 60\text{mm}$	$\phi 85\text{mm}$	$\phi 110\text{mm}$
Travel distance	Coarse motion 360° Fine motion $\pm 3^\circ$	Coarse motion 360°		Fine motion $\pm 5^\circ$	
Vernier minimum reading	Vernier scale 0.5°	Vernier scale 0.2°		Vernier scale 0.1°	
Minimum reading capability	$\approx 1.50''/\text{Rotation}$	$\approx 1'26''/\text{Scale}$	$\approx 55''/\text{Scale}$	$\approx 43''/\text{Scale}$	$\approx 34''/\text{Scale}$
Guide	Fitting method				
Load capacity	1.0kgf [9.8N]		3.0kgf [29.4N]	4.0kgf [39.2N]	5.0kgf [49.0N]
Allowable load for moment	0.12N · m	0.3N · m	0.7N · m	1.2N · m	1.5N · m
Moment rigidity	8.11''/N · cm	3.56''/N · cm	0.41''/N · cm	0.22''/N · cm	0.17''/N · cm
Parallelism	50 μm	20 μm			
Eccentricity amount	50 μm	50 μm			
Runout amount	20 μm	20 μm			
Weight	0.03kg	0.09kg	0.28kg	0.48kg	0.75kg
Main material—Surface finishing	Aluminum—Black alumite processing				
Provided screws (Hex socket screws)	4 of M2—6	4 of M3—8	4 of M4—10	4 of M4—8	4 of M4—8