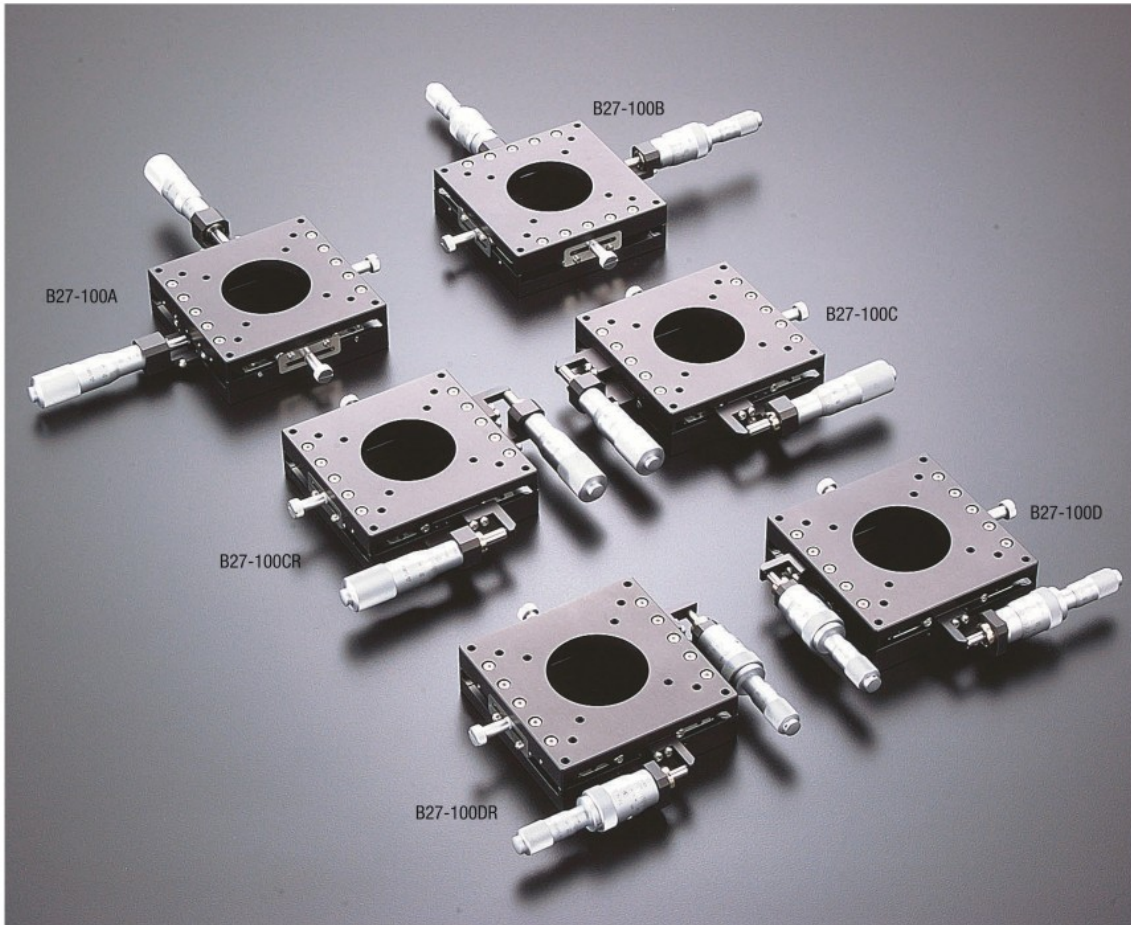


## Transmission Hole Type XY-axis Cross Roller Guide Stage □100: B27-100

RoHS



### 【Features】

- X and Y-axis integrated structure stage with transmitted hole.
- Transmission hole is  $\phi 50\text{mm}$ . Can be kept  $\phi 40$  when move to XY direction. Effective diameter is  $\phi 40$  in case of travel distance  $\pm 12.5\text{mm}$ .
- Available coarse-micromotion type.

		SPEC			
Model		B27-100A	B27-100B	B27-100C	B27-100D
(Opposite hand)		B27-100AR	B27-100BR	B27-100CR	B27-100DR
Stage table size		100×100mm			
Feeding position		Center		Side	
Travel distance		$\pm 12.5\text{mm}$	Coarse motion $\pm 6.5\text{mm}$ Micromotion $\pm 0.1\text{mm}$	$\pm 12.5\text{mm}$	Coarse motion $\pm 6.5\text{mm}$ Micromotion $\pm 0.1\text{mm}$
Minimum reading of micrometer		$10\mu\text{m}/\text{Scale}$	Micromotion $0.5\mu\text{m}/\text{Scale}$	$10\mu\text{m}/\text{Scale}$	Micromotion $0.5\mu\text{m}/\text{Scale}$
Guide		V-groove rail and cross roller			
Load capacity		6.5kgf [63.7N]			
Travel accuracy	Straightness	3 $\mu\text{m}$			
	Pitching	25"			
	Yawing	15"			
Allowable load for moment	Pitch	4.6N · m			
	Yaw	3.9N · m			
	Roll	4.6N · m			
Moment rigidity	Pitch	0.07"/N · cm			
	Yaw	0.08"/N · cm			
	Roll	0.10"/N · cm			
Parallelism		50 $\mu\text{m}$			
Motion parallelism		20 $\mu\text{m}$			
Squareness		10 $\mu\text{m}$			
Weight		1.0kg			
Main material—Surface finishing		Aluminum—Black alumite processing			
Provided screws (Hex socket screws)		4 of M4—14			

Manual linear stage

X

XY

Z

Horizontal Z

XZ

Horizontal XZ

XYZ

Horizontal XYZ

Goniometer

Rotary

Unit

Accessories

Linear Ball

Cross Roller

Dovetail

□25

□30

□40

□50

□60

□70

□80

□100

□120

Other