

Crossed Roller Bearing

RB series Crossed Roller Bearing-45



Shaft diameter	45
Model No.	RB4510
Major dimensions	
Inner diameter	45
Outer diameter	70
Roller pitch circle diameter	56.5
Width	10
Greasing hole	2.5-1
rmin	0.6
Shoulder dimensions	
ds	51
Dh	61.5
Basic load rating	
kN	8.62
kN	11.3
kg	0.17

RB type crossed roller bearing with separate outer ring and inner ring rotation structure. The sizes of the inner and outer rings are as small as possible. The accuracy grades of RB cross roller bearings are P5, P4 and P2. It is suitable for occasions that require high inner ring rotation accuracy. The rollers of RB cross roller bearings are arranged perpendicular to each other at 90° and separated by isolation blocks, spacers and other rollers to avoid roller tilting and mutual friction. RB type fork roller bearing is a split outer ring and an integrated inner ring structure, so the gap of its outer ring can be adjusted at any time, which helps to improve the rotation accuracy of the bearing.

B Crossed roller bearings are designed to withstand radial loads, axial loads, moment loads, and other loads in all directions because their cylindrical rollers are arranged perpendicularly to each other on a 90° V-groove rolling surface through a spacer. The cross roller ring has high rigidity, so it is most suitable for the joints or rotating parts of industrial robots, rotary tables of machining centers, rotating parts of manipulators, precision rotary tables, medical machines, measuring instruments, IC manufacturing devices, etc.

Our company has professional sales and technical engineers who are responsible for providing users with technical consultation, technical services, and product technical training on precision bearing data and installation and use. Perfect pre-sales, in-sales, and after-sales services constitute a guarantee system for high-quality services, providing users with reliable quality bearing products and creating a good user experience and rich benefits for every customer.

If you have any questions about products and services, please contact the company's service department directly.