

Crossed Roller Bearing

RE series Crossed Roller Bearing-45



Shaft diameter	45
Model No.	RE4510
Major dimensions	
Inner diameter	45
Outer diameter	70
Roller pitch circle diameter	58.5
Width	10
Greasing hole	2.5
rmin	0.6
Shoulder dimensions	
ds	51
Dh	61.5
Basic load rating	
kN	8.62
kN	11.3
kg	0.17

RE Crossed Roller Bearings is a roller bearing with split inner ring and integrated outer ring. It's a bearing with outer ring rotating structure. The main dimensions of RE cross roller bearing are the same as those of RB type cross roller bearing. It is suitable for parts requiring outer ring rotation accuracy. RE type fork roller bearing has high rigidity and high running accuracy of guide roller by optimizing preload. It is suitable for parts requiring high outer ring rotation accuracy. The thin-walled size miniaturization design is conducive to the lightweight design of related structures. The overall structure of the outer ring is more suitable for occasions with high outer ring rotation accuracy, and the stable rotation accuracy reaches μm level.

RE 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, the rotary table of machining centers, the rotating part 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 excellent 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.