

## Crossed Roller Bearing

### RA series Crossed Roller Bearing-50



|                              |           |
|------------------------------|-----------|
| Shaft diameter               | <b>50</b> |
| Model No.                    | RA5008C   |
| Major dimensions             |           |
| Inner diameter               | <b>50</b> |
| Outer diameter               | 66        |
| Roller pitch circle diameter | 57        |
| Width                        | 8         |
| Greasing hole                | 1.5       |
| rmin                         | 0.5       |
| Shoulder dimensions          |           |
| ds                           | 53.5      |
| Dh                           | 60.5      |
| Basic load rating            |           |
| kN                           | 5.1       |
| kN                           | 7.19      |
| kg                           | 0.08      |

**RA cross roller bearing** is outer Ring separable type and inner ring rotation design . RA type cross roller bearing is a compact cross roller bearing with the inner and outer ring thickness reduced to the limit. RA series bearings are thin-walled cross roller bearings with reduced inner outer ring thickness. The thin size design is conducive to the lightweight design of related structures. The integral structure of the inner ring is suitable for occasions with high inner ring rotation accuracy, and the stable rotation accuracy reaches micron level; it is suitable for applications requiring high precision and high rigidity such as precision testing instruments, robot joints, direct drive torque motors, and high-precision turntables.

RA Crossed roller bearings are designed to bear 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.