

## PRODUCT DATASHEET

# ES-BR-C27-S014-V008

## 614 mm Precision Transmission Component

Precision Crossed Roller Bearings | Precision Crossed Roller Bearing Platform 09 Series

### Product Overview

614 mm Precision Transmission Component with body Outer Diameter 614 mm, axial Dynamic Load Rating 270 kN and radial Dynamic Load Rating 170 kN.

### Key Specifications

| PARAMETER                  | VALUE | UNIT |
|----------------------------|-------|------|
| Body Outer Diameter        | 614   | mm   |
| Axial Dynamic Load Rating  | 270   | kN   |
| Radial Dynamic Load Rating | 170   | kN   |
| Mass                       | 38    | kg   |
| Axial Static Load Rating   | 680   | kN   |
| Bearing Width              | 56    | mm   |
| Minimum Chamfer Radius     | 2.5   | mm   |
| Inner Ring Diameter        | 474   | mm   |
| Inner Ring Mounting PCD    | 498   | mm   |

## Technical Specifications

| PARAMETER                  | SPECIFICATION | UNIT |
|----------------------------|---------------|------|
| PERFORMANCE                |               |      |
| Axial Dynamic Load Rating  | 270           | kN   |
| Radial Dynamic Load Rating | 170           | kN   |
| Axial Static Load Rating   | 680           | kN   |
| Radial Static Load Rating  | 330           | kN   |
| MECHANICAL                 |               |      |
| Body Outer Diameter        | 614           | mm   |
| Mass                       | 38            | kg   |
| Bearing Width              | 56            | mm   |
| Shaft Diameter             | 474           | mm   |
| Minimum Chamfer Radius     | 2.5           | mm   |
| Inner Ring Diameter        | 474           | mm   |
| INTEGRATION                |               |      |
| Outer Ring Mounting Holes  | 32            |      |
| Inner Ring Mounting PCD    | 498           | mm   |
| Outer Ring Mounting PCD    | 590           | mm   |

# Dimensional & Integration Overview

## Mechanical Overview

| PARAMETER              | VALUE | UNIT |
|------------------------|-------|------|
| Body Outer Diameter    | 614   | mm   |
| Mass                   | 38    | kg   |
| Bearing Width          | 56    | mm   |
| Shaft Diameter         | 474   | mm   |
| Minimum Chamfer Radius | 2.5   | mm   |
| Inner Ring Diameter    | 474   | mm   |

## Dimensional Drawings



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- 01 Specifications are subject to change without notice. Verify the current product configuration before final design release.
- 02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.