

PRODUCT DATASHEET

# ES-BR-C27-S011-V032

100 mm Precision Transmission Component

Precision Crossed Roller Bearings | Precision Crossed Roller Bearing Platform 06 Series

Product Overview

100 mm Precision Transmission Component with body Outer Diameter 100 mm, radial Dynamic Load Rating 19.4 kN and mass 0.35 kg.

Key Specifications

| PARAMETER                  | VALUE | UNIT |
|----------------------------|-------|------|
| Body Outer Diameter        | 100   | mm   |
| Radial Dynamic Load Rating | 19.4  | kN   |
| Mass                       | 0.35  | kg   |
| Bearing Width              | 13    | mm   |
| Minimum Chamfer Radius     | 1     | mm   |
| Inner Ring Diameter        | 70    | mm   |
| Pitch Circle Diameter      | 84    | mm   |
| Radial Static Load Rating  | 27.7  | kN   |
| Shaft Diameter             | 70    | mm   |

## Technical Specifications

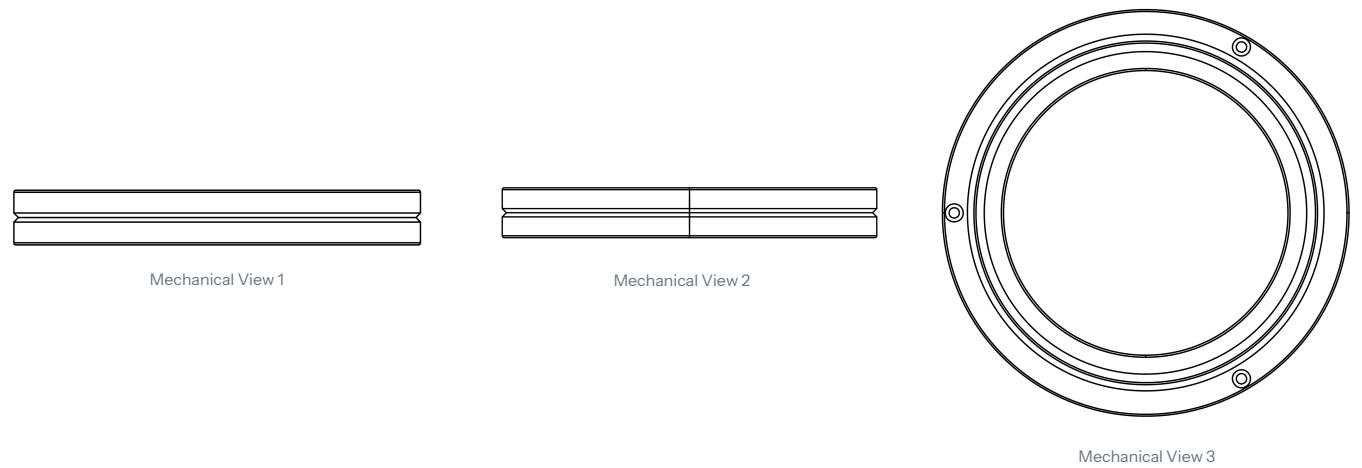
| PARAMETER                  | SPECIFICATION | UNIT |
|----------------------------|---------------|------|
| PERFORMANCE                |               |      |
| Radial Dynamic Load Rating | 19.4          | kN   |
| Radial Static Load Rating  | 27.7          | kN   |
| MECHANICAL                 |               |      |
| Body Outer Diameter        | 100           | mm   |
| Mass                       | 0.35          | kg   |
| Bearing Width              | 13            | mm   |
| Shaft Diameter             | 70            | mm   |
| Minimum Chamfer Radius     | 1             | mm   |
| Pitch Circle Diameter      | 84            | mm   |
| Shoulder Diameter Dh       | 92            | mm   |
| Inner Ring Diameter        | 70            | mm   |
| Shoulder Diameter ds       | 78            | mm   |

# Dimensional & Integration Overview

## Mechanical Overview

| PARAMETER              | VALUE | UNIT |
|------------------------|-------|------|
| Body Outer Diameter    | 100   | mm   |
| Mass                   | 0.35  | kg   |
| Bearing Width          | 13    | mm   |
| Shaft Diameter         | 70    | mm   |
| Minimum Chamfer Radius | 1     | mm   |
| Pitch Circle Diameter  | 84    | mm   |

## Dimensional Drawings



## 2D Drawing Dimensions & Callouts

| VIEW              | FIELD                | VALUE                                      |
|-------------------|----------------------|--------------------------------------------|
| Mechanical View 1 | Unknown parameter    | 7                                          |
| Mechanical View 3 | Hole feature marking | Circular hole feature (position top right) |
|                   |                      | Circular hole feature (position left)      |
|                   |                      | Circular hole feature (position bottom)    |

[View Product Online](#)   [Request Engineering Data](#)   [Request a Quote](#)

**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.