

PRODUCT DATASHEET

ES-BR-C27-S008-V006

311 mm Precision Transmission Component

Precision Crossed Roller Bearings | Precision Crossed Roller Bearing Platform 03 Series

Product Overview

311 mm Precision Transmission Component with body Outer Diameter 311 mm, axial Dynamic Load Rating 85 kN and radial Dynamic Load Rating 54 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	311	mm
Axial Dynamic Load Rating	85	kN
Radial Dynamic Load Rating	54	kN
Mass	6.9	kg
Axial Static Load Rating	117	kN
Bearing Width	25.4	mm
Inner Ring Diameter	215.9	mm
Inner Ring Mounting Holes	12-Ø8.7	
Inner Ring Mounting PCD	231.8	mm

Technical Specifications

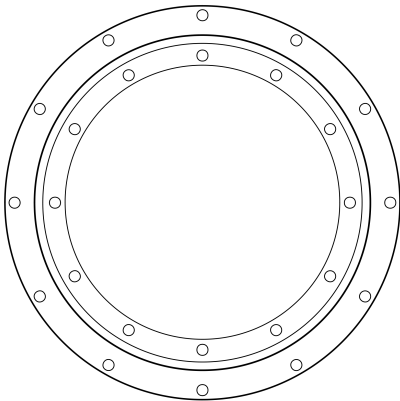
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	85	kN
Radial Dynamic Load Rating	54	kN
Axial Static Load Rating	117	kN
Radial Static Load Rating	57	kN
MECHANICAL		
Body Outer Diameter	311	mm
Mass	6.9	kg
Bearing Width	25.4	mm
Pitch Circle Diameter	264	mm
Inner Ring Diameter	215.9	mm
INTEGRATION		
Outer Ring Mounting Holes	12-Ø8.7	
Inner Ring Mounting PCD	231.8	mm
Outer Ring Mounting PCD	295.3	mm
Inner Ring Mounting Holes	12-Ø8.7	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	311	mm
Mass	6.9	kg
Bearing Width	25.4	mm
Pitch Circle Diameter	264	mm
Inner Ring Diameter	215.9	mm
Outer Ring Mounting Holes	12-Ø8.7	

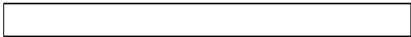
Dimensional Drawings



Mechanical View 1



Mechanical View 2



Mechanical View 3

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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.