

PRODUCT DATASHEET

ES-BR-C27-S008-V012

646 mm Precision Transmission Component

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

Product Overview

646 mm Precision Transmission Component with body Outer Diameter 646 mm, axial Dynamic Load Rating 720 kN and radial Dynamic Load Rating 455 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	646	mm
Axial Dynamic Load Rating	720	kN
Radial Dynamic Load Rating	455	kN
Mass	115	kg
Axial Static Load Rating	1370	kN
Bearing Width	86	mm
Inner Ring Diameter	384	mm
Inner Ring Mounting Holes	18-Ø26	
Inner Ring Mounting PCD	432	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	720	kN
Radial Dynamic Load Rating	455	kN
Axial Static Load Rating	1370	kN
Radial Static Load Rating	670	kN
MECHANICAL		
Body Outer Diameter	646	mm
Mass	115	kg
Bearing Width	86	mm
Pitch Circle Diameter	515	mm
Inner Ring Diameter	384	mm
INTEGRATION		
Outer Ring Mounting Holes	18-Ø26	
Inner Ring Mounting PCD	432	mm
Outer Ring Mounting PCD	598	mm
Inner Ring Mounting Holes	18-Ø26	

Dimensional & Integration Overview

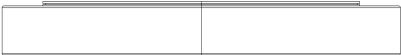
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	646	mm
Mass	115	kg
Bearing Width	86	mm
Pitch Circle Diameter	515	mm
Inner Ring Diameter	384	mm
Outer Ring Mounting Holes	18-Ø26	

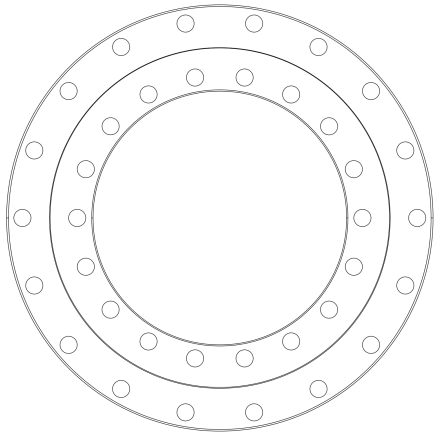
Dimensional Drawings



Mechanical View 1



Mechanical View 2



Mechanical View 3

[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.