PRODUCT DATASHEET

ES-BR-C27-S014-V003

255 mm Precision Transmission Component

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

Product Overview

255 mm Precision Transmission Component with body Outer Diameter 255 mm, axial Dynamic Load Rating 77 kN and radial Dynamic Load Rating 49 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	255	mm
Axial Dynamic Load Rating	77	kN
Radial Dynamic Load Rating	49	kN
Mass	4.3	kg
Axial Static Load Rating	315	kN
Bearing Width	25.4	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	180	mm
Inner Ring Mounting PCD	195	mm

Technical Specifications

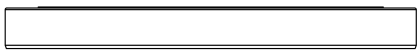
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	77	kN
Radial Dynamic Load Rating	49	kN
Limiting Speed	175	r/min
Axial Static Load Rating	315	kN
Radial Static Load Rating	127	kN
MECHANICAL		
Body Outer Diameter	255	mm
Mass	4.3	kg
Bearing Width	25.4	mm
Shaft Diameter	180	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	180	mm
INTEGRATION		
Outer Ring Mounting Holes	20	
Inner Ring Mounting PCD	195	mm
Outer Ring Mounting PCD	240	mm

Dimensional & Integration Overview

Mechanical Overview

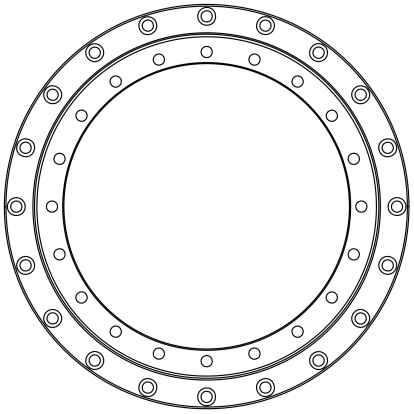
PARAMETER	VALUE	UNIT
Body Outer Diameter	255	mm
Mass	4.3	kg
Bearing Width	25.4	mm
Shaft Diameter	180	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	180	mm

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.