PRODUCT DATASHEET

ES-BR-C27-S014-V001

205 mm Precision Transmission Component

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

Product Overview

205 mm Precision Transmission Component with body Outer Diameter 205 mm, axial Dynamic Load Rating 66 kN and radial Dynamic Load Rating 42 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	205	mm
Axial Dynamic Load Rating	66	kN
Radial Dynamic Load Rating	42	kN
Mass	3.3	kg
Axial Static Load Rating	240	kN
Bearing Width	25.4	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	130	mm
Inner Ring Mounting PCD	145	mm

Technical Specifications

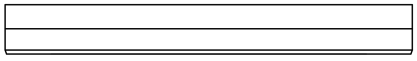
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	66	kN
Radial Dynamic Load Rating	42	kN
Limiting Speed	227	r/min
Axial Static Load Rating	240	kN
Radial Static Load Rating	96	kN
MECHANICAL		
Body Outer Diameter	205	mm
Mass	3.3	kg
Bearing Width	25.4	mm
Shaft Diameter	130	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	130	mm
INTEGRATION		
Outer Ring Mounting Holes	12	
Inner Ring Mounting PCD	145	mm
Outer Ring Mounting PCD	190	mm

Dimensional & Integration Overview

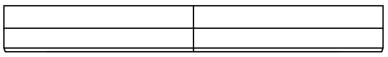
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	205	mm
Mass	3.3	kg
Bearing Width	25.4	mm
Shaft Diameter	130	mm
Minimum Chamfer Radius	1.1	mm
Inner Ring Diameter	130	mm

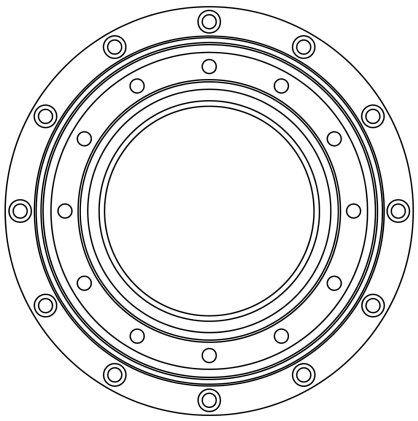
Dimensional Drawings



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.