PRODUCT DATASHEET

ES-BR-C27-S011-V027

550 mm Precision Transmission Component

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

Product Overview

550 mm Precision Transmission Component with body Outer Diameter 550 mm, radial Dynamic Load Rating 65.5 kN and mass 7.3 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	550	mm
Radial Dynamic Load Rating	65.5	kN
Mass	7.3	kg
Bearing Width	25	mm
Minimum Chamfer Radius	1.5	mm
Inner Ring Diameter	500	mm
Pitch Circle Diameter	524.2	mm
Radial Static Load Rating	201	kN
Shaft Diameter	500	mm

Technical Specifications

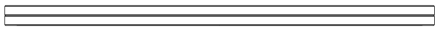
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Radial Dynamic Load Rating	65.5	kN
Radial Static Load Rating	201	kN
MECHANICAL		
Body Outer Diameter	550	mm
Mass	7.3	kg
Bearing Width	25	mm
Shaft Diameter	500	mm
Minimum Chamfer Radius	1.5	mm
Pitch Circle Diameter	524.2	mm
Shoulder Diameter Dh	534	mm
Inner Ring Diameter	500	mm
Shoulder Diameter ds	514	mm

Dimensional & Integration Overview

Mechanical Overview

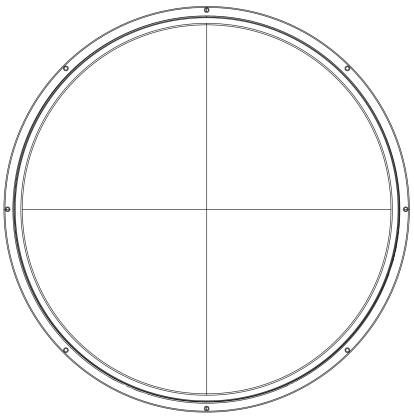
PARAMETER	VALUE	UNIT
Body Outer Diameter	550	mm
Mass	7.3	kg
Bearing Width	25	mm
Shaft Diameter	500	mm
Minimum Chamfer Radius	1.5	mm
Pitch Circle Diameter	524.2	mm

Dimensional Drawings



Mechanical View 1

Mechanical View 2



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 3	Product Model Number	RB50025UUCCO
	Datum Reference	Datum A

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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.