PRODUCT DATASHEET

ES-BR-C27-S011-V003

135 mm Precision Transmission Component

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

Product Overview

135 mm Precision Transmission Component with body Outer Diameter 135 mm, radial Dynamic Load Rating 12.5 kN and mass 0.4 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	135	mm
Radial Dynamic Load Rating	12.5	kN
Mass	0.4	kg
Bearing Width	12	mm
Minimum Chamfer Radius	1	mm
Inner Ring Diameter	110	mm
Pitch Circle Diameter	12.2	mm
Radial Static Load Rating	24.1	kN
Shaft Diameter	110	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Radial Dynamic Load Rating	12.5	kN
Radial Static Load Rating	24.1	kN
MECHANICAL		
Body Outer Diameter	135	mm
Mass	0.4	kg
Bearing Width	12	mm
Shaft Diameter	110	mm
Minimum Chamfer Radius	1	mm
Pitch Circle Diameter	12.2	mm
Shoulder Diameter Dh	127	mm
Inner Ring Diameter	110	mm
Shoulder Diameter ds	117	mm

Dimensional & Integration Overview

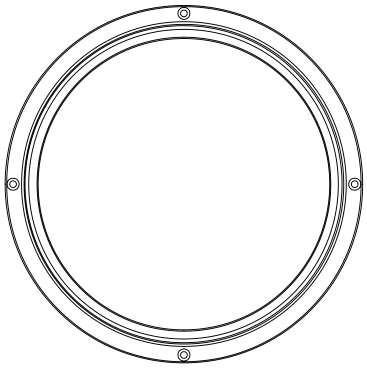
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	135	mm
Mass	0.4	kg
Bearing Width	12	mm
Shaft Diameter	110	mm
Minimum Chamfer Radius	1	mm
Pitch Circle Diameter	12.2	mm

Dimensional Drawings

Mechanical View 1

Mechanical View 2



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 3	Mounting hole marker (top)	Mounting hole position marked
	Mounting hole marker (left)	
	Mounting hole marker (right)	
	Mounting hole marker (bottom)	

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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.