

PRODUCT DATASHEET

ES-BR-C29-S003-V012

126 mm Precision Transmission Component

Rotary Table Bearings | ES-BR-RT01 Rotary Table Bearing Series

Product Overview

126 mm Precision Transmission Component with body Outer Diameter 126 mm, axial Dynamic Load Rating 38 kN and radial Dynamic Load Rating 28.5 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	126	mm
Axial Dynamic Load Rating	38	kN
Radial Dynamic Load Rating	28.5	kN
Mass	1.6	kg
Axial Static Load Rating	158	kN
Friction Torque	2.5	N·m
Inner Ring Counterbore Diameter	9	mm
Inner Ring Diameter	50	mm
Inner Ring Height H	20	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	38	kN
Radial Dynamic Load Rating	28.5	kN
Friction Torque	2.5	N·m
Limiting Speed	600	r/min
Rotation Accuracy P2	1	μm
Axial Static Load Rating	158	kN
Radial Static Load Rating	49.5	kN
Rotation Accuracy P4	2	μm
MECHANICAL		
Body Outer Diameter	126	mm
Mass	1.6	kg
Inner Ring Height H	20	mm

Technical Specifications

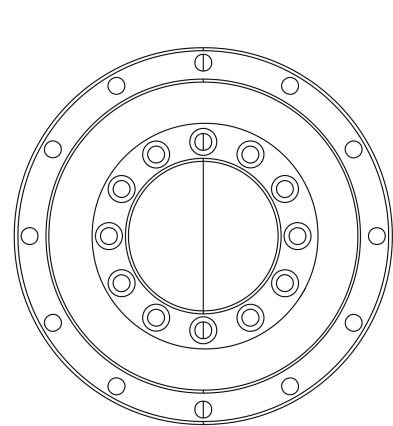
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Inner Ring Diameter	50	mm
INTEGRATION		
Inner Ring Mounting Hole Count	10	
Inner Ring Mounting Hole Diameter	5.6	mm
Mounting Screw Specification	12×30°	
Tightening Torque	8.5	Nm
Inner Ring Counterbore Diameter	9	mm
Outer Ring Mounting Hole Diameter	5.6	mm
Inner Ring Hole Pitch	4.2	mm
Outer Ring Mounting Hole Count	12	
Inner Ring Lifting Hole Count	2	

Dimensional & Integration Overview

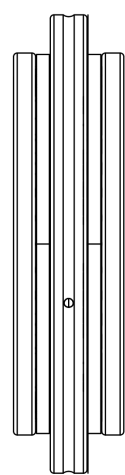
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	126	mm
Mass	1.6	kg
Inner Ring Height H	20	mm
Inner Ring Diameter	50	mm
Inner Ring Mounting Hole Count	10	
Inner Ring Mounting Hole Diameter	5.6	mm

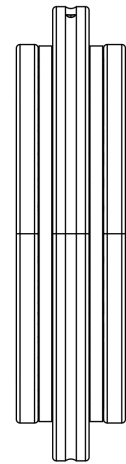
Dimensional Drawings



Mechanical View 1



Mechanical View 2



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD		VALUE
Mechanical View 1	Datum C		
	Datum D		
Mechanical View 2	Dimension identifier		e (dimension label)

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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.