

PRODUCT DATASHEET

ES-BR-C29-S003-V004

210 mm Precision Transmission Component

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

Product Overview

210 mm Precision Transmission Component with body Outer Diameter 210 mm, axial Dynamic Load Rating 102 kN and radial Dynamic Load Rating 52 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	210	mm
Axial Dynamic Load Rating	102	kN
Radial Dynamic Load Rating	52	kN
Mass	5.3	kg
Axial Static Load Rating	540	kN
Extraction Thread	M8	
Extraction Thread Hole Count	3	
Friction Torque	7	N·m
Inner Ring Counterbore Diameter	11	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	102	kN
Radial Dynamic Load Rating	52	kN
Friction Torque	7	N·m
Limiting Speed	340	r/min
Rotation Accuracy P2	1.5	μm
Axial Static Load Rating	540	kN
Radial Static Load Rating	143	kN
Rotation Accuracy P4	3	μm
MECHANICAL		
Body Outer Diameter	210	mm
Mass	5.3	kg
Inner Ring Height H	26	mm
Inner Ring Diameter	120	mm

Technical Specifications

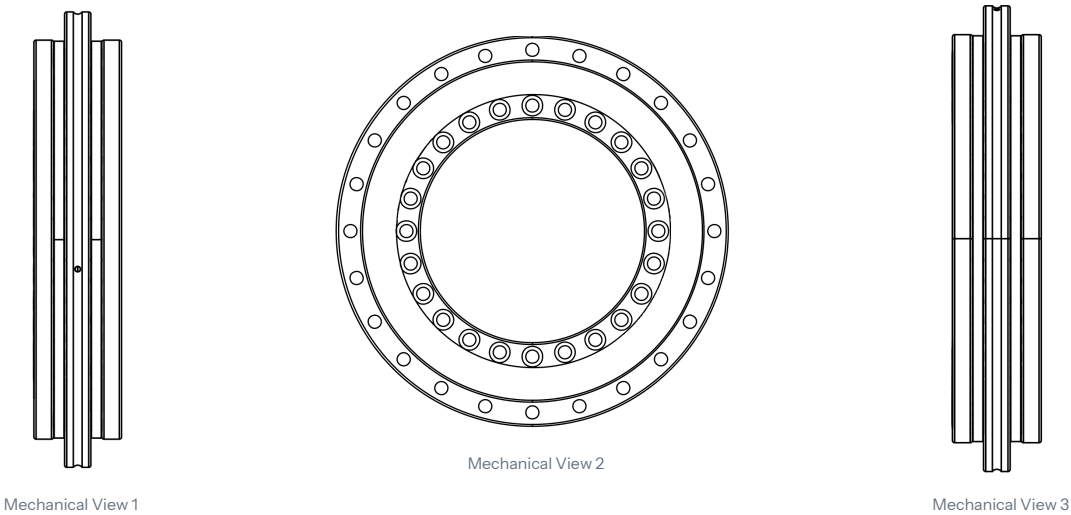
PARAMETER	SPECIFICATION	UNIT
INTEGRATION		
Extraction Thread Hole Count	3	
Inner Ring Mounting Hole Count	22	
Inner Ring Mounting Hole Diameter	7	mm
Mounting Screw Specification	24×15°	
Tightening Torque	14	Nm
Inner Ring Counterbore Diameter	11	mm
Outer Ring Mounting Hole Diameter	7	mm
Inner Ring Hole Pitch	6.2	mm
Extraction Thread	M8	
Outer Ring Mounting Hole Count	21	
Inner Ring Lifting Hole Count	2	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	210	mm
Mass	5.3	kg
Inner Ring Height H	26	mm
Inner Ring Diameter	120	mm
Inner Ring Mounting Hole Count	22	
Inner Ring Mounting Hole Diameter	7	mm

Dimensional Drawings



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Specifications are subject to change without notice. Verify the current product configuration before final design release.
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2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.