

PRODUCT DATASHEET

ES-BR-C29-S003-V005

240 mm Precision Transmission Component

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

Product Overview

240 mm Precision Transmission Component with body Outer Diameter 240 mm, axial Dynamic Load Rating 112 kN and radial Dynamic Load Rating 56 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	240	mm
Axial Dynamic Load Rating	112	kN
Radial Dynamic Load Rating	56	kN
Mass	6.2	kg
Axial Static Load Rating	630	kN
Extraction Thread	M8	
Extraction Thread Hole Count	3	
Friction Torque	10	N·m
Inner Ring Counterbore Diameter	11	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	112	kN
Radial Dynamic Load Rating	56	kN
Friction Torque	10	N·m
Limiting Speed	320	r/min
Rotation Accuracy P2	1.5	μm
Axial Static Load Rating	630	kN
Radial Static Load Rating	170	kN
Rotation Accuracy P4	3	μm
MECHANICAL		
Body Outer Diameter	240	mm
Mass	6.2	kg
Inner Ring Height H	26	mm
Inner Ring Diameter	150	mm

Technical Specifications

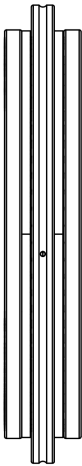
PARAMETER	SPECIFICATION	UNIT
INTEGRATION		
Extraction Thread Hole Count	3	
Inner Ring Mounting Hole Count	34	
Inner Ring Mounting Hole Diameter	7	mm
Mounting Screw Specification	36×10°	
Tightening Torque	14	Nm
Inner Ring Counterbore Diameter	11	mm
Outer Ring Mounting Hole Diameter	7	mm
Inner Ring Hole Pitch	6.2	mm
Extraction Thread	M8	
Outer Ring Mounting Hole Count	33	
Inner Ring Lifting Hole Count	2	

Dimensional & Integration Overview

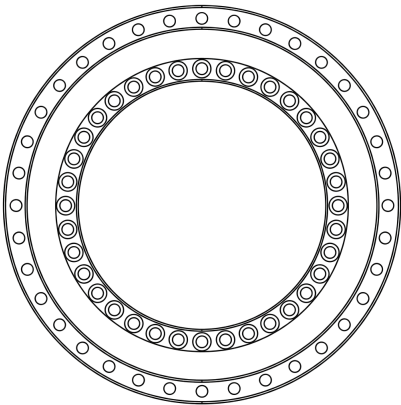
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	240	mm
Mass	6.2	kg
Inner Ring Height H	26	mm
Inner Ring Diameter	150	mm
Inner Ring Mounting Hole Count	34	
Inner Ring Mounting Hole Diameter	7	mm

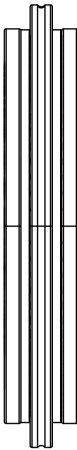
Dimensional Drawings



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.