

PRODUCT DATASHEET

ES-BR-C29-S003-V006

280 mm Precision Transmission Component

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

Product Overview

280 mm Precision Transmission Component with body Outer Diameter 280 mm, axial Dynamic Load Rating 118 kN and radial Dynamic Load Rating 69.5 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	280	mm
Axial Dynamic Load Rating	118	kN
Radial Dynamic Load Rating	69.5	kN
Mass	7.7	kg
Axial Static Load Rating	710	kN
Extraction Thread	M8	
Extraction Thread Hole Count	3	
Friction Torque	12	N·m
Inner Ring Counterbore Diameter	11	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	118	kN
Radial Dynamic Load Rating	69.5	kN
Friction Torque	12	N·m
Limiting Speed	280	r/min
Rotation Accuracy P2	2	μm
Axial Static Load Rating	710	kN
Radial Static Load Rating	200	kN
Rotation Accuracy P4	4	μm
MECHANICAL		
Body Outer Diameter	280	mm
Mass	7.7	kg
Inner Ring Height H	29	mm
Inner Ring Diameter	180	mm

Technical Specifications

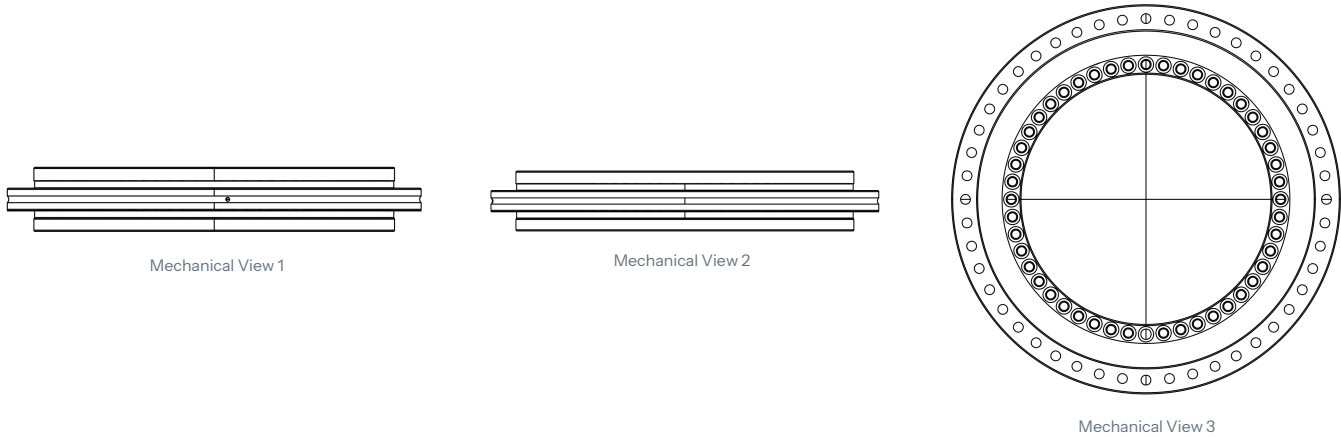
PARAMETER	SPECIFICATION	UNIT
INTEGRATION		
Extraction Thread Hole Count	3	
Inner Ring Mounting Hole Count	46	
Inner Ring Mounting Hole Diameter	7	mm
Mounting Screw Specification	48×7.5°	
Tightening Torque	14	Nm
Inner Ring Counterbore Diameter	11	mm
Outer Ring Mounting Hole Diameter	7	mm
Inner Ring Hole Pitch	6.2	mm
Extraction Thread	M8	
Outer Ring Mounting Hole Count	45	
Inner Ring Lifting Hole Count	2	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	280	mm
Mass	7.7	kg
Inner Ring Height H	29	mm
Inner Ring Diameter	180	mm
Inner Ring Mounting Hole Count	46	
Inner Ring Mounting Hole Diameter	7	mm

Dimensional Drawings



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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.