PRODUCT DATASHEET

ES-BR-C29-S003-V001

185 mm Precision Transmission Component

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

Product Overview

185 mm Precision Transmission Component with body Outer Diameter 185 mm, axial Dynamic Load Rating 76.5 kN and radial Dynamic Load Rating 47.5 kN.

Key Specifications

PARAMETER	VALUE	UNIT
Body Outer Diameter	185	mm
Axial Dynamic Load Rating	76.5	kN
Radial Dynamic Load Rating	47.5	kN
Mass	4	kg
Axial Static Load Rating	415	kN
Extraction Thread	M5	
Extraction Thread Hole Count	3	
Friction Torque	3	N·m
Inner Ring Counterbore Diameter	10	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Axial Dynamic Load Rating	76.5	kN
Radial Dynamic Load Rating	47.5	kN
Friction Torque	3	N·m
Limiting Speed	430	r/min
Rotation Accuracy P2	1.5	µm
Axial Static Load Rating	415	kN
Radial Static Load Rating	120	kN
Rotation Accuracy P4	3	µm
MECHANICAL		
Body Outer Diameter	185	mm
Mass	4	kg
Inner Ring Height H	25	mm
Inner Ring Diameter	100	mm

Technical Specifications

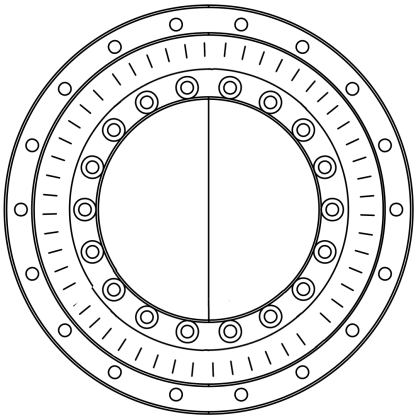
PARAMETER	SPECIFICATION	UNIT
INTEGRATION		
Extraction Thread Hole Count	3	
Inner Ring Mounting Hole Count	16	
Inner Ring Mounting Hole Diameter	5.6	mm
Mounting Screw Specification	18×20°	
Tightening Torque	8.5	N·m
Inner Ring Counterbore Diameter	10	mm
Outer Ring Mounting Hole Diameter	5.6	mm
Inner Ring Hole Pitch	5.4	mm
Extraction Thread	M5	
Outer Ring Mounting Hole Count	15	
Inner Ring Lifting Hole Count	2	

Dimensional & Integration Overview

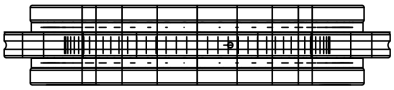
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Outer Diameter	185	mm
Mass	4	kg
Inner Ring Height H	25	mm
Inner Ring Diameter	100	mm
Inner Ring Mounting Hole Count	16	
Inner Ring Mounting Hole Diameter	5.6	mm

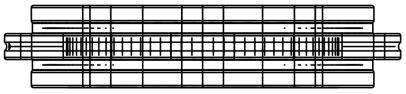
Dimensional Drawings



Mechanical View 1



Mechanical View 2



Mechanical View 3

View Product Online **Request Engineering Data** **Request a Quote**

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.