PRODUCT DATASHEET

ES-SN-C18-S003-V001

84.5 mm Industrial Sensing Component

Joint Torque Sensors | Joint Torque Sensor Platform 02 Series

Product Overview

84.5 mm Industrial Sensing Component with weight 203 g, body Outer Diameter 84.5 mm and axial Load Capacity 300 N.

Key Specifications

PARAMETER	VALUE	UNIT
Weight	203	g
Body Outer Diameter	84.5	mm
Axial Load Capacity	300	N
Bending Moment Capacity	60	N·m
Overall Thickness	10	mm
Overload Torque Limit	<625	N·m
Radial Load Capacity	300	N
Measuring Range	125	N·m
Torsional Stiffness	150000	N·m/rad

Technical Specifications

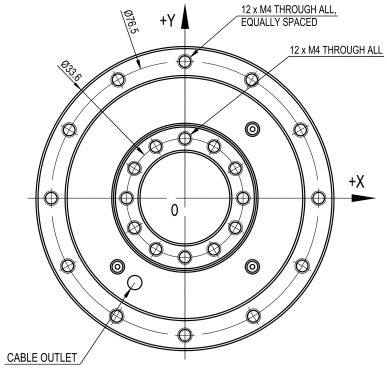
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Overload Torque Limit	<625	N·m	
Axial Load Capacity	300	N	
Zero Drift	≤0.08	%FS	Interval: 10min
Radial Load Capacity	300	N	
Bending Moment Capacity	60	N·m	
MECHANICAL			
Weight	203	g	
Body Outer Diameter	84.5	mm	
Torsional Stiffness	150000	N·m/rad	
Overall Thickness	10	mm	
ADDITIONAL SPECIFICATIONS			
Measuring Range	125	N·m	

Dimensional & Integration Overview

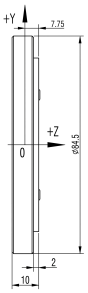
Mechanical Overview

PARAMETER	VALUE	UNIT
Weight	203	g
Body Outer Diameter	84.5	mm
Torsional Stiffness	150000	N·m/rad
Overall Thickness	10	mm

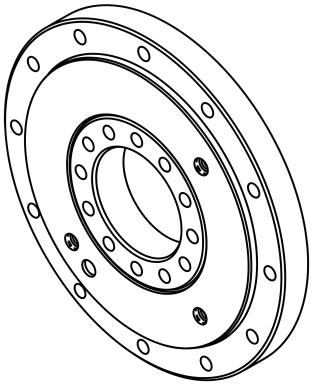
Dimensional Drawings



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.