PRODUCT DATASHEET

ES-SN-C18-S003-V002

100 mm Industrial Sensing Component

Joint Torque Sensors | Joint Torque Sensor Platform 02 Series

Product Overview

100 mm Industrial Sensing Component with weight 290 g, body Outer Diameter 100 mm and axial Load Capacity 500 N.

Key Specifications

PARAMETER	VALUE	UNIT
Weight	290	g
Body Outer Diameter	100	mm
Axial Load Capacity	500	N
Bending Moment Capacity	80	N·m
Overall Thickness	12	mm
Overload Torque Limit	<1150	N·m
Radial Load Capacity	500	N
Measuring Range	230	N·m
Torsional Stiffness	400000	N·m/rad

Technical Specifications

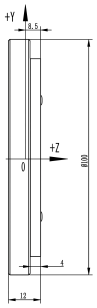
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Overload Torque Limit	<1150	N·m	
Axial Load Capacity	500	N	
Zero Drift	≤0.08	%FS	Interval: 10min
Radial Load Capacity	500	N	
Bending Moment Capacity	80	N·m	
MECHANICAL			
Weight	290	g	
Body Outer Diameter	100	mm	
Torsional Stiffness	400000	N·m/rad	
Overall Thickness	12	mm	
ADDITIONAL SPECIFICATIONS			
Measuring Range	230	N·m	

Dimensional & Integration Overview

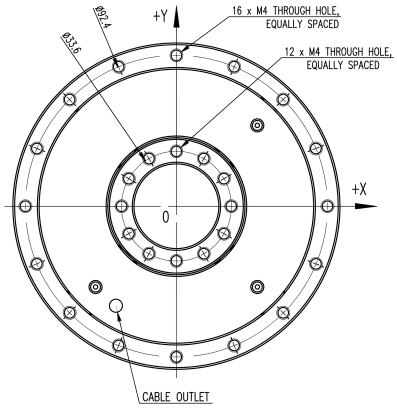
Mechanical Overview

PARAMETER	VALUE	UNIT
Weight	290	g
Body Outer Diameter	100	mm
Torsional Stiffness	400000	N·m/rad
Overall Thickness	12	mm

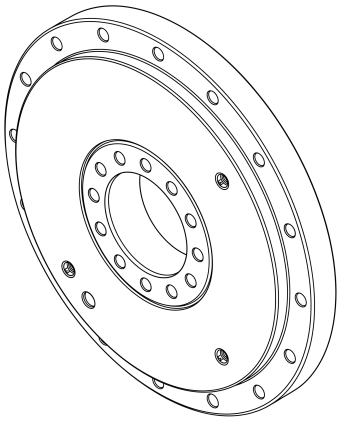
Dimensional Drawings



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.