PRODUCT DATASHEET

ES-SN-C18-S003-V003

94 mm Industrial Sensing Component

Joint Torque Sensors | Joint Torque Sensor Platform 02 Series

Product Overview

94 mm Industrial Sensing Component with weight 437 g, body Outer Diameter 94 mm and axial Load Capacity 700 N.

Key Specifications

PARAMETER	VALUE	UNIT
Weight	437	g
Body Outer Diameter	94	mm
Axial Load Capacity	700	N
Bending Moment Capacity	150	N·m
Maximum Flange Outer Diameter	117	mm
Overall Thickness	22.7	mm
Overload Torque Limit	<2420	N·m
Radial Load Capacity	700	N
Measuring Range	484	N·m

Technical Specifications

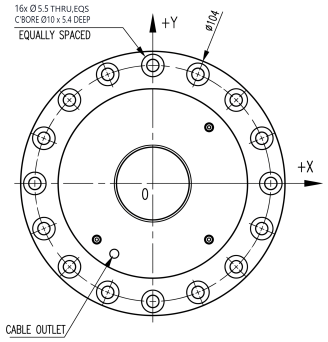
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Overload Torque Limit	<2420	N·m	
Axial Load Capacity	700	N	
Zero Drift	≤0.08	%FS	Interval: 10min
Radial Load Capacity	700	N	
Bending Moment Capacity	150	N·m	
MECHANICAL			
Weight	437	g	
Body Outer Diameter	94	mm	
Torsional Stiffness	800000	N·m/rad	
Overall Thickness	22.7	mm	
Maximum Flange Outer Diameter	117	mm	
ADDITIONAL SPECIFICATIONS			
Measuring Range	484	N·m	

Dimensional & Integration Overview

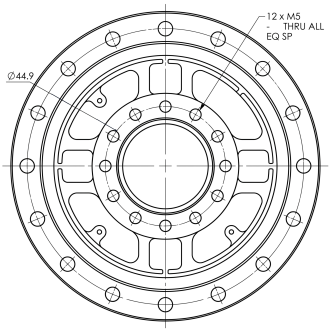
Mechanical Overview

PARAMETER	VALUE	UNIT
Weight	437	g
Body Outer Diameter	94	mm
Torsional Stiffness	800000	N·m/rad
Overall Thickness	22.7	mm
Maximum Flange Outer Diameter	117	mm

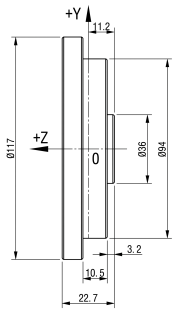
Dimensional Drawings



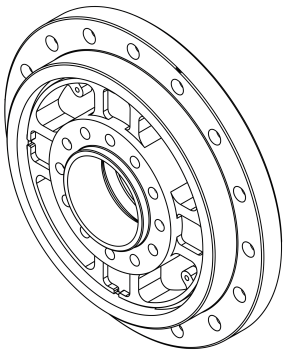
Mechanical View 1



Mechanical View 2



Mechanical View 3



Mechanical View 4

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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.