Series STJ

UNIVERSAL TORQUE SENSORS

Reference Guide

GENERAL

Carefully remove the sensor from its packaging. For models STJ10OZ, STJ20OZ, and STJ50OZ, also remove the protective tubing from the sensor. Save it for future transportation needs. Inspect for any damage.

The sensor is shipped ready to use. No assembly is required.

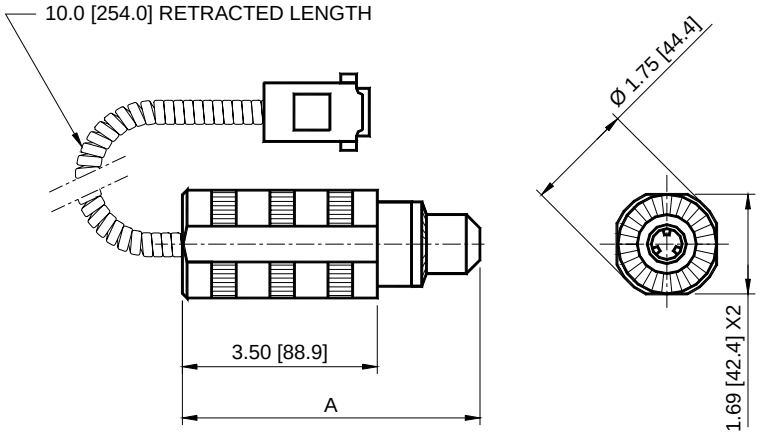
Series STJ universal torque sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak torque measurements. Plug the 15-pin connector into the external sensor connector on the indicator.

Please note that all calibration data and menu selections programmed and saved during setup with the BGI are saved within the sensor. While this allows for interchangeability, each sensor must be programmed separately.

The sensor can be used as a hand tool or mounted in a fixture (not included).

In order to extend the life of your torque sensor, avoid repetitive shock and impact loads.

DIMENSIONS AND SPECIFICATIONS
in [mm]



Model	*Capacity x Resolution*	*A*	*Chuck Capacity*
STJ10OZ	10 x 0.01 ozin, 7 x 0.005 kgFmm, 7 x 0.005 Ncm	4.82 [122.4]	0.38 [9.5]
STJ20OZ	20 x 0.02 ozin, 14 x 0.01 kgFmm, 14 x 0.01 Ncm		
STJ50OZ	50 x 0.05 ozin, 36 x 0.05 kgFmm, 35 x 0.05 Ncm		
STJ12	12 x 0.01 lbin, 140 x 0.1 kgFmm, 135 x 0.1 Ncm	5.19 [131.8]	0.5 [12.7]
STJ50	50 x 0.05 lbin, 580 x 0.5 kgFmm, 570 x 0.5 Ncm		
STJ100	100 x 0.1 lbin, 1150 x 1 kgFmm, 1150 x 1 Ncm		

Model	*Safe Overload % of Capacity*
STJ10OZ	300
STJ20OZ	
STJ50OZ	
STJ12	150
STJ50	
STJ100	

Accuracy: ±0.35% FS + BGI
Operating conditions:
Temperature: 40ºF - 110ºF [5ºC - 45ºC]
Humidity: 96% max. (no condensation)