

Series **SS**

S-BEAM TENSION/COMPRESSION
FORCE SENSORS

Reference Guide

GENERAL

Carefully remove the sensor from its packaging and inspect for any damage.

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

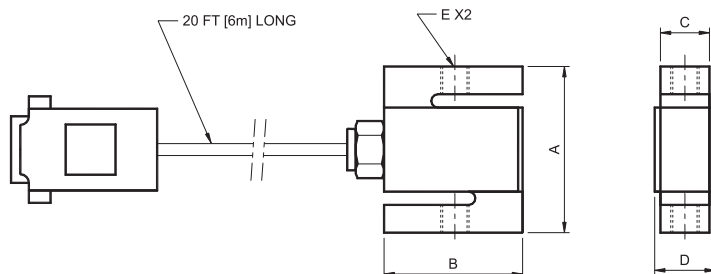
Series SS force sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak torque measurements. Simply plug the 15-pin connector into the external sensor connector on the indicator.

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.

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

DIMENSIONS AND SPECIFICATIONS

in [mm]



Model	Capacity x Resolution	Dimensions				
		A	B	C	D	E
SS50	50 x 0.02 lb, 25 x 0.01 kgF, 250 x 0.1 N	2.40 [61.0]	2.00 [50.8]	0.46 [11.7]	0.65 [16.5]	1/4-28 UNF
SS100	100 x 0.05 lb, 50 x 0.02 kgF, 500 x 0.2 N					
SS200	200 x 0.1 lb, 100 x 0.05 kgF, 1000 x 0.5 N					
SS500	500 x 0.2 lb, 250 x 0.1 kgF, 2500 x 1 N					
SS1000	1000 x 0.5 lb, 500 x 0.2 kgF, 5000 x 2 N					
SS2000	2000 x 1 lb, 1000 x 0.5 kgF, 10000 x 5 N	3.90 [99.1]	3.00 [76.2]	0.71 [18.0]	0.90 [22.9]	1/2-20 UNF
SS5000	5000 x 2 lb, 2500 x 1 kgF, 25 x 0.01 kN					
SS10000	10000 x 5 lb, 5000 x 2 kgF, 50 x 0.02 kN					
				0.96 [24.4]	1.15 [29.2]	3/4-16 UNF

Accuracy: $\pm 0.15\%$ FS + BGI

Safe overload % of capacity: 150

Operating conditions:

Temperature: 40°F - 110°F [5°C - 45°C]

Humidity: 96% max. (no-condensation)