

Series **SS**

---

S-BEAM TENSION/COMPRESSION  
FORCE SENSORS

# Reference Guide

**MARK-10**®

## GENERAL

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

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

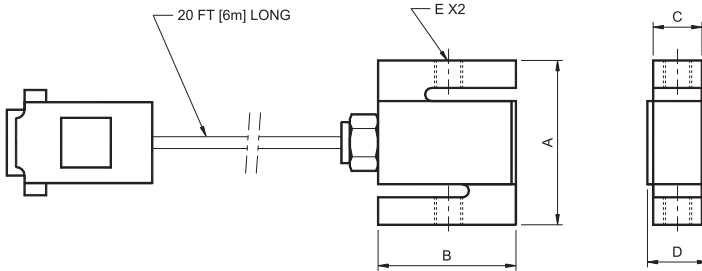
Series SS force sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak torque measurements. Simply plug the 15-pin connector into the external sensor connector on the indicator.

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

in [mm]



## SPECIFICATIONS

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			0.71 [18.0]	0.90 [22.9]	1/2-20 UNF
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			3.90 [99.1]	3.00 [76.2]	0.96 [24.4]
SS2000	2000 x 1 lb, 1000 x 0.5 kgF, 10000 x 5 N					
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					

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)

## WARRANTY

Mark-10 Corporation expressly warrants to its buyer for three (3) years from the date of delivery that the goods sold are free from defects in workmanship and materials. Mark-10 Corporation will, at its option, repair or replace or refund the purchase price of goods found to be defective. This remedy shall be the buyer's sole and exclusive remedy. Any modification, abuse, exposure to corrosive environment or use other than intended will void this warranty. This warranty is in lieu of all other warranties, including implied warranties of merchantability and fitness for an intended purpose. In no event shall Mark-10 Corporation be liable for any incidental and consequential damages in connection with goods sold or any part thereof.

# OTHER MARK-10 PRODUCTS

A full line of force and torque measurement products and related items, including force gauges, torque gauges, force and torque test stands, sensors, grips, software, and more.



**MARK-10**

*We make a measurable difference in force and torque measurement*

**Mark-10 Corporation**  
11 Dixon Avenue  
Copiague, NY 11726  
888-MARK-TEN  
Tel: 631-842-9200  
Fax: 631-842-9201  
Internet: [www.mark-10.com](http://www.mark-10.com)  
E-mail: [info@mark-10.com](mailto:info@mark-10.com)

