

Series **SSM**

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INLINE TENSION/COMPRESSION  
FORCE SENSORS

## Reference Guide

## GENERAL

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

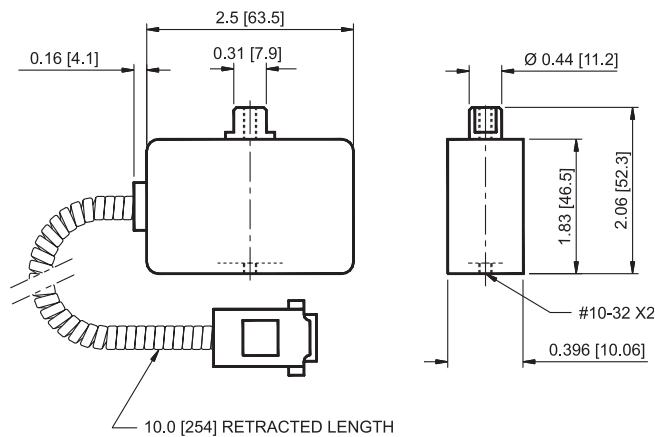
The sensor is shipped ready to use. No assembly is required.

Series SSM force sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak torque measurements. Simply plug the 9-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 unit, avoid repetitive shock and impact loading.

## DIMENSIONS AND SPECIFICATIONS in [mm]



Model	Capacity x Resolution	Safe Overload % of Capacity
SSM025	0.25 x 0.0001 lb, 100 x 0.05 gF, 1 x 0.0005 N	200
SSM05	0.5 x 0.0002 lb, 250 x 0.1 gF, 2.5 x 0.001 N	
SSM2	2 x 0.001 lb, 1 x 0.0005 kgF, 10 x 0.005 N	
SSM10	10 x 0.005 lb, 5 x 0.002 kgF, 50 x 0.02 N	150
SSM20	20 x 0.01 lb, 10 x 0.005 kgF, 100 x 0.05 N	
SSM50	50 x 0.02 lb, 25 x 0.01 kgF, 250 x 0.1 N	
SSM100	100 x 0.05 lb, 50 x 0.02 kgF, 500 x 0.2 N	

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

Operating conditions:

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

Humidity: 96% max. (no condensation)