

# Series SJR

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MINIATURE S-BEAM  
TENSION/COMPRESSION FORCE SENSORS

## Reference Guide

## GENERAL

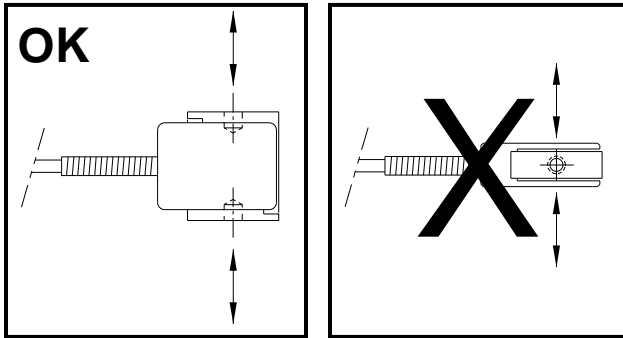
Carefully remove the sensor from its packaging and inspect for any damage.

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

Series SJR 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 BGI.

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.

Load must be applied to the sides with threaded holes (see drawing below). In order to extend the life of your unit, avoid repetitive shock and impact loading. Be especially careful when handling low capacity models.



## SPECIFICATIONS & DIMENSIONS

Accuracy:  $\pm 0.2\%$  FS + BGI

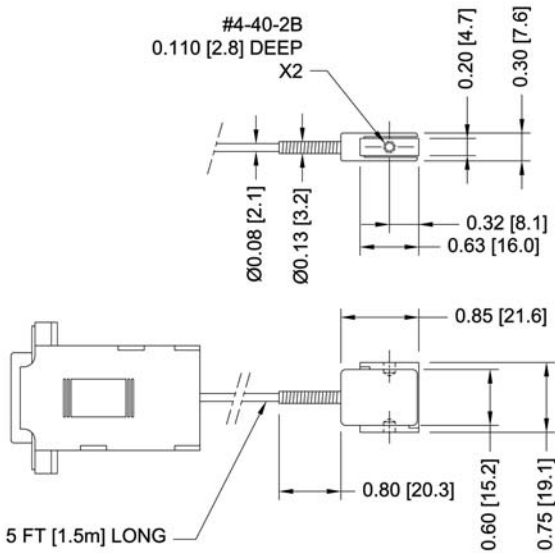
Operating conditions:

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

Humidity: 96% max. (no condensation)

<i>Model</i>	<i>Capacity x Resolution</i>	<i>Safe Overload % of Capacity</i>
SJR025	0.25 x 0.0001 lb, 100 x 0.05 gF, 1 x 0.0005 N	200
SJR05	0.5 x 0.0002 lb, 250 x 0.1 gF, 2.5 x 0.001 N	
SJR2	2 x 0.001 lb, 1 x 0.0005 kgF, 10 x 0.005 N	
SJR10	10 x 0.005 lb, 5 x 0.002 kgF, 50 x 0.02 N	
SJR20	20 x 0.01 lb, 10 x 0.005 kgF, 100 x 0.05 N	
SJR50	50 x 0.02 lb, 25 x 0.01 kgF, 250 x 0.1 N	
SJR100	100 x 0.05 lb, 50 x 0.02 kgF, 500 x 0.2 N	

in [mm]



## 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.



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

**Mark-10 Corporation**

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