

Series **SJR**

MINIATURE S-BEAM
TENSION/COMPRESSION FORCE SENSORS

Reference Guide

GENERAL

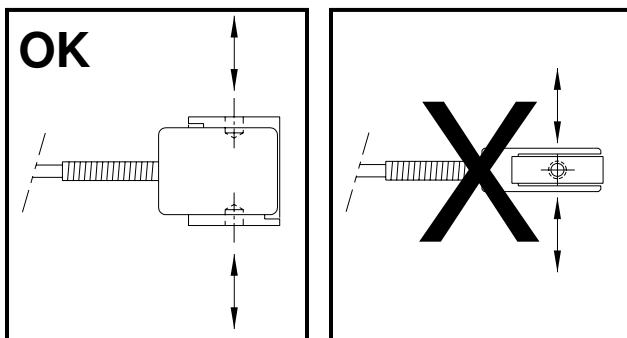
Carefully remove the sensor from its packaging and inspect for any damage.

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)

Model	Capacity x Resolution	Safe Overload % of Capacity
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	

