

Series **SBC**

COMPRESSION FORCE SENSORS

Reference Guide

GENERAL

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

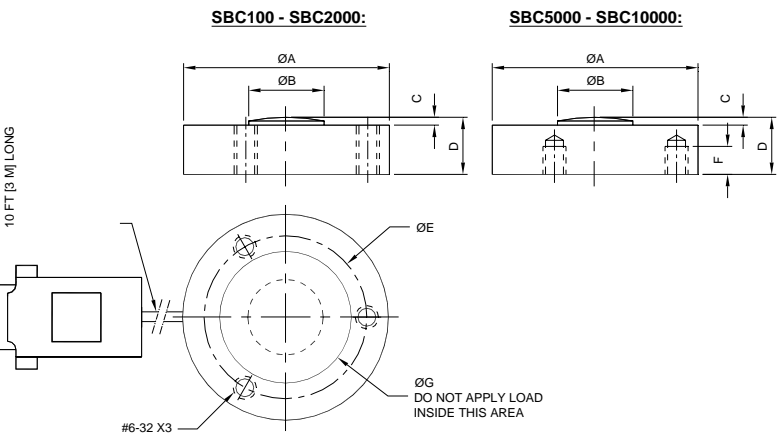
The sensor is shipped ready to use. No assembly is required.

Series SBC compression force sensors work in conjunction with the BGI force/torque indicator for instantaneous, average, and peak force measurements. Plug the 15-pin connector into the external sensor connector on the indicator for force read-outs.

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	ØA	ØB	C	D	ØE	F	ØG
SBC100	100 x 0.05 lb, 50 x 0.02 kgF, 500 x 0.2 N	1.23 [31.3]	0.32 [8.1]	0.05 [1.3]	0.39 [9.9]	1.0 [25.4]	-	0.83 [21.1]
SBC200	200 x 0.1 lb, 100 x 0.05 kgF, 1000 x 0.5 N							
SBC500	500 x 0.2 lb, 250 x 0.1 kgF, 2500 x 1 N							
SBC1000	1000 x 0.5 lb, 500 x 0.2 kgF, 5000 x 2 N							
SBC2000	2000 x 1 lb, 1000 x 0.5 kgF, 10000 x 5 N	1.48 [37.6]	0.43 [10.9]	0.07 [1.8]	0.62 [15.8]	1.25 [31.8]	0.25 [6.4]	1.08 [27.4]
SBC5000	5000 x 2 lb, 2500 x 1 kgF, 25 x 0.01 kN							
SBC10000	10000 x 5 lb, 5000 x 2 kgF, 50 x 0.02 kN							

Accuracy: ±0.5% FS + BGI
Safe overload % of capacity: 150
Operating conditions:
 Temperature: 40°F - 110°F [5°C - 45°C]
 Humidity: 96% max. (no condensation)