



## FEATURES

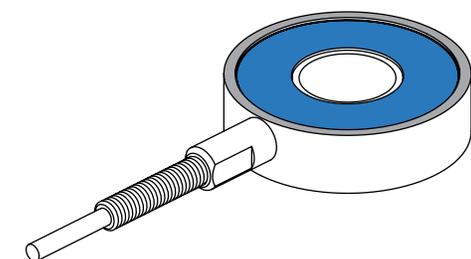
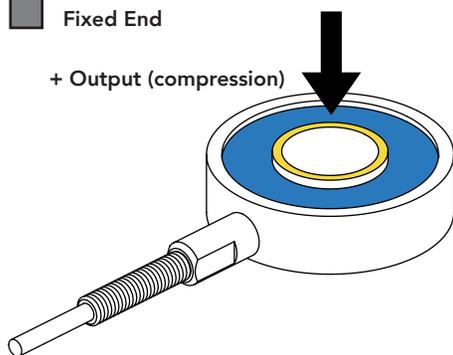
- Fast response time
- Robust strain relief
- Compatible in load washer applications
- Offered in a variety of capacities and inner diameters

 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (compression)



## SPECIFICATIONS

### PERFORMANCE

Nonlinearity  $\pm 0.5\%$  of RO

Hysteresis  $\pm 0.5\%$  of RO

Nonrepeatability  $\pm 0.5\%$  of RO

### ELECTRICAL

Rated Output (RO) 2 mV/V nom

Excitation (VDC or VAC) 18 max

Bridge Resistance 700 Ohm nom

Insulation Resistance  $\geq 500$  MOhm @ 50 VDC

Connection #29 AWG, 4 conductor, spiral shielded Teflon cable, 10 ft [3 m] long

Wiring/Connector Code WC1

### MECHANICAL

Capacities 50 lb [222 N], 100 lb\* [445 N]\*, 250 lb [1112 N], 500 lb\* [2224 N]\*, 1000 lb\* [4448 N]\*

Weight (approximate) 2 oz [57 g]

Safe Overload 150% of RO

Deflection 0.001 in [0.025 mm] nom

Material 17-4 PH stainless-steel

IP Rating IP64

### TEMPERATURE

Operating Temperature -60 to 200°F (-50 to 93°C)

Compensated Temperature 60 to 160°F (15 to 72°C)

Temperature Shift Zero  $\pm 0.005\%$  of RO/°F (0.01% of RO/°C)

Temperature Shift Span  $\pm 0.005\%$  of Load/°F (0.01% of Load/°C)

### CALIBRATION

Calibration Test Excitation 10 VDC

Calibration (standard) 5-pt Compression

Shunt Calibration Value 100 kOhm

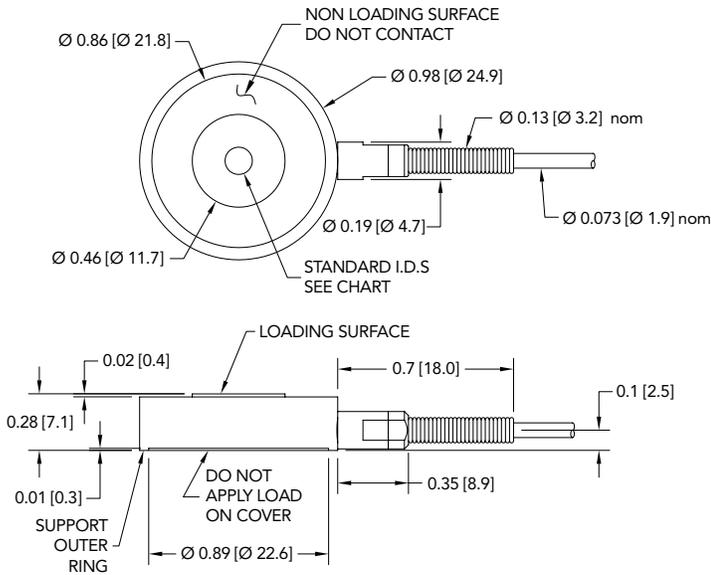
### CONFORMITY

RoHS EU 2015/863

CE EN55011; EN61326-1

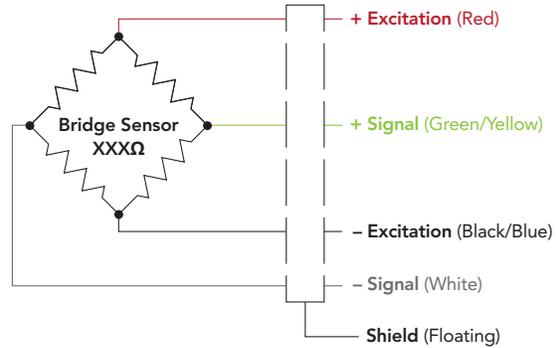
\*Commonly stocked capacities

**DIMENSIONS** inches [mm]



**WIRING CODE (WC1 WITH SHIELD)**

RED	+ EXCITATION
BLACK	- EXCITATION
GREEN	+ SIGNAL
WHITE	- SIGNAL
SHIELD	FLOATING



**Note:** While torquing bolts, high tension forces will occur during installation, which could result in overloading the sensor. FUTEK recommends connecting the sensor to a system in order to monitor the applied forces. FUTEK is not liable or responsible for the mishandling of the sensor during installation.

**INNER DIAMETER**

ID	Dimension	+0.01 -0.00	+0.25 -0.00
3/16	0.197 [5.01]		
1/4*	0.259 [6.58]		
5/16	0.322 [8.18]		
3/8*	0.384 [9.75]		

\*Commonly stocked capacities and inner diameters

Drawing Number: F11425-B

FUTEK reserves the right to modify its design and specifications without notice. Please visit [www.futek.com/salesterms](http://www.futek.com/salesterms) for complete terms and conditions.

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RoHS



U.S. Manufacturer