



FEATURES

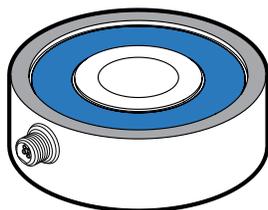
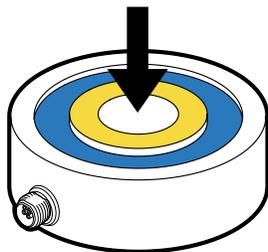
- High Natural Frequency, low deflection allowing faster data collection
- High Bridge resistance to support low power consumption applications
- Connectorized to simplify down time from cable damage
- IP67 Sealed unit- Washdown or Short term submersion protection

 Non-loading surface, do not contact

 Active End

 Fixed End

+ Output (compression)



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.25% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.05% of RO

ELECTRICAL

Rated Output (RO)	2 mV/V nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	700 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring/Connector Code	CC19

MECHANICAL

Capacities	10000 lb [44480 N]
Weight (approximate)	8 oz [227 g]
Safe Overload	150% of RO
Deflection	0.002 in [0.05 mm] nom
Material	17-4 PH stainless-steel
IP Rating	IP67

TEMPERATURE

Operating Temperature	-60 to 200°F (-50 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.005% of RO/°F (0.01% of RO/°C)
Temperature Shift Span	±0.005% of Load/°F (0.01% of Load/°C)

CALIBRATION

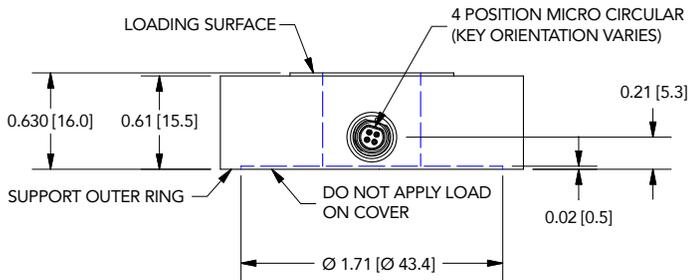
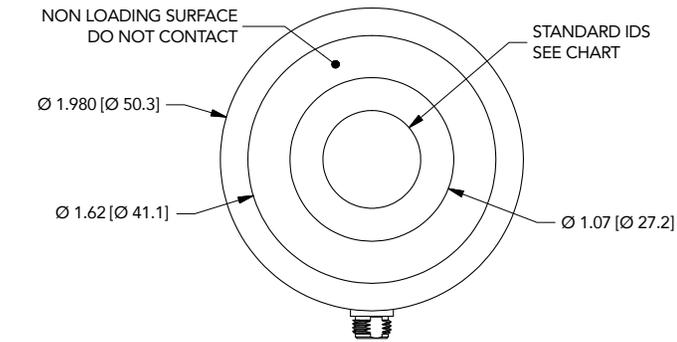
Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt Compression
Shunt Calibration Value	100 kOhm

CONFORMITY

RoHS	EU 2015/863
CE	EN55011; EN61326-1

DIMENSIONS inches [mm]

TOLERANCE:
 .X ± 0.1" [2.5]
 .XX ± 0.01" [0.25]
 .XXX ± 0.005" [0.127]



FUTEK 4 PIN MICRO CIRCULAR (CC19)

1	+ EXCITATION	Red
2	- EXCITATION	Black
3	- SIGNAL	White
4	+ SIGNAL	Green



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 (Actual)

ID	Dimension ^{+0.01} _{-0.00} [^{+0.25} _{-0.00}]
3/8	0.384 [9.75]
1/2	0.509 [12.93]
5/8	0.634 [16.10]

Drawing Number: FI1568

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RoHS



U.S. Manufacturer