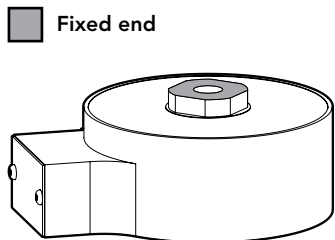
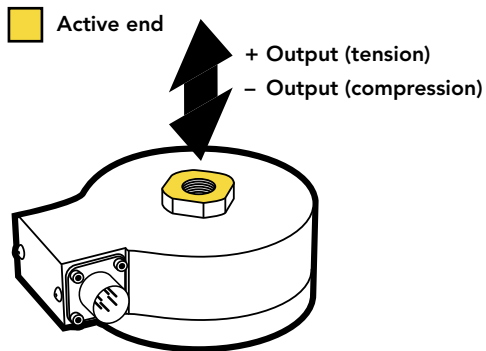




## FEATURES

- Highly resistant to off-axis loading
- One-piece construction
- Utilizes metal foil strain gauge technology
- 17-4 PH stainless-steel construction
- For use in both tension and compression



## SPECIFICATIONS

### PERFORMANCE

Nonlinearity	±0.1% of RO
Hysteresis	±0.1% of RO
Nonrepeatability	±0.05% of RO

### ELECTRICAL

Rated Output (RO)	3 mV/V nom 1.5 mV/V nom (250 lb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	700 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	6 Pin BENDIX Receptacle (PT02A-10-6P)
Connector Code	CC1 Standard/CC1T

### MECHANICAL

Weight (approximate)	3 lb [1.4 kg]
Safe Overload	150% of RO
Material	17-4 PH stainless-steel
IP Rating	IP64

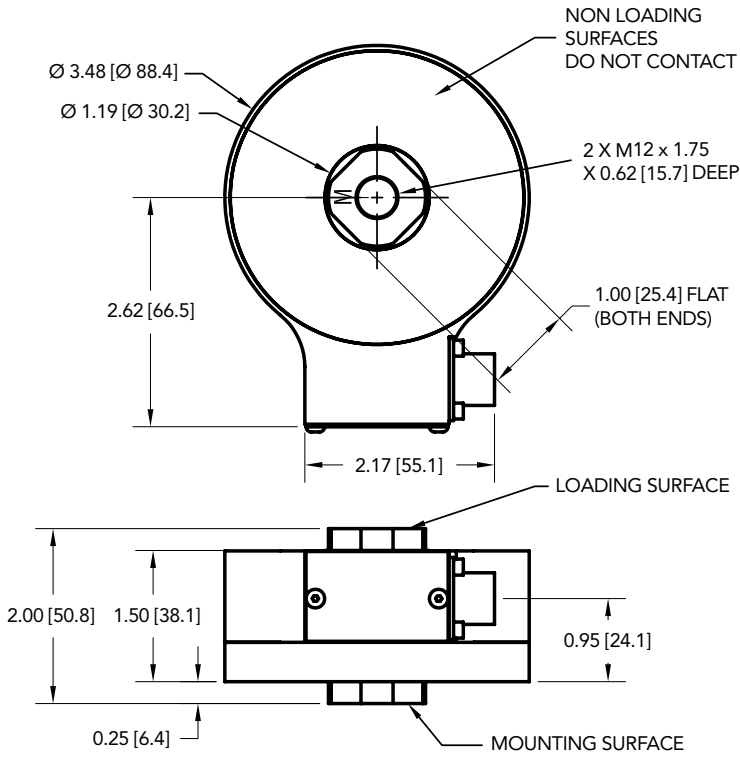
### TEMPERATURE

Operating Temperature	-65 to 200°F [-54 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	±0.002% of RO/°F [0.0036% of RO/°C]
Temperature Shift Span	±0.002% of Load/°F [0.0036% of Load/°C]

### CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt tension
Calibration (available)	Compression
Shunt Calibration Value	87.325 kOhm, 150 kOhm (250 lb)

**DIMENSIONS** inches [mm]

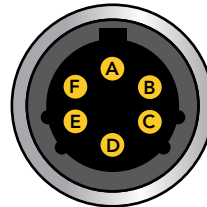


**CAPACITIES**

ITEM #	lb	N	Deflection (in)	Natural Frequency (kHz)
FSH04155	250	1112	0.001	2.3
FSH04156	500	2224	0.002	2.3
FSH04157	1000	4448	0.002	3.6
FSH04158	2500	11120	0.003	5.5
FSH04159	5000	22240	0.004	3.2

**BENDIX 6-PIN (CC1/CC1T)**

PIN	COLOR	DESCRIPTION	TEDS DESCRIPTION
A	Red	+ Excitation	+ Excitation
B	Black	- Excitation	- Excitation
C	Green	+ Signal	+ Signal
D	White	- Signal	- Signal
E	Orange	+ Sense	TEDS Data
F	Blue	- Sense	TEDS GND



Sensor Receptacle View

Drawing Number: F11442

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



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