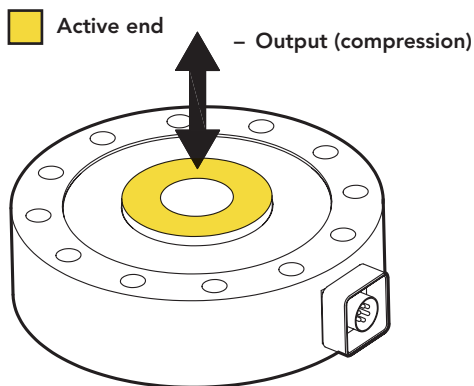


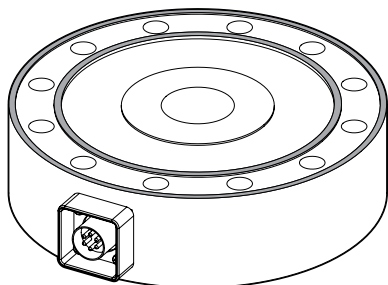


FEATURES

- Low profile design
- For use in compression
- Utilizes metal foil strain gauge technology
- Highly resistant to off-axis loading



Fixed end



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.1% of RO
Hysteresis	±0.2% of RO
Nonrepeatability	±0.02% of RO

ELECTRICAL

Rated Output (RO)	4 mV/V nom
Excitation (VDC or VAC)	20 max
Bridge Resistance	350 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	6 Pin BENDIX Receptacle (PT02E-10-6P)
Connector Code	CC1 Standard/CC1T

MECHANICAL

Weight (approximate)	9 lb [4.1 kg]
Safe Overload	150% of RO
Material	17-4 PH Stainless-steel
IP Rating	IP65

TEMPERATURE

Operating Temperature	-60 to 200°F [-50 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	±0.001% of RO/°F [0.0018% 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 compression
Shunt Calibration Value	30 kOhm

Sensor Solution Source

Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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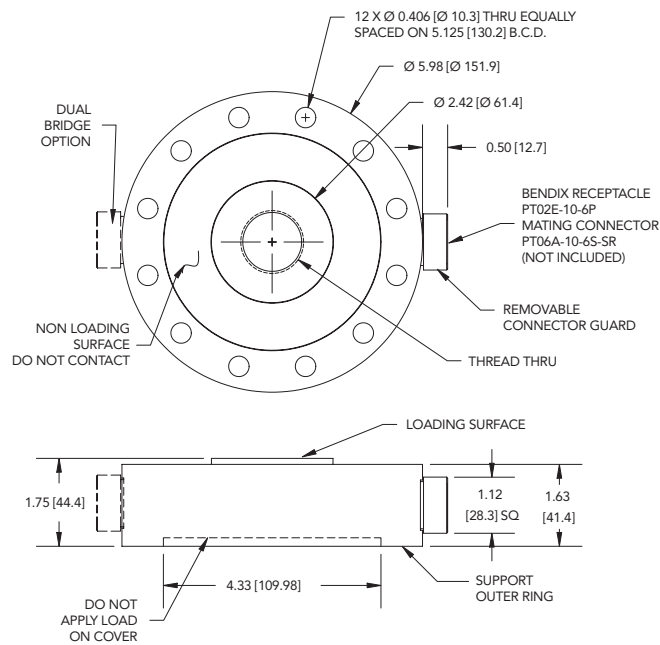
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U.S. Manufacturer

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DIMENSIONS inches [mm]

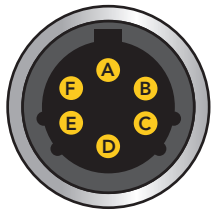


CAPACITIES

ITEM #	lb	N	Thread	TEDS	Dual Bridge	Deflection (in)	Natural Frequency (Hz)
FSH02669	25000	111000	1 1/4-12			0.002	7100
FSH02687				X			
FSH03010					X		
FSH03014			M33 X 2	X	X		
FSH02897							
FSH02935				X			
FSH03000			X				
FSH03012			X	X			
FSH02642	50000	222000	1 1/4-12	X		0.003	8200
FSH02689					X		
FSH03009					X		
FSH03013			M33 X 2	X	X		
FSH02898							
FSH02968				X			
FSH02999			X				
FSH03011			X	X			

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: FI1012-D

FUTEK reserves the right to modify its design and specifications without notice.

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