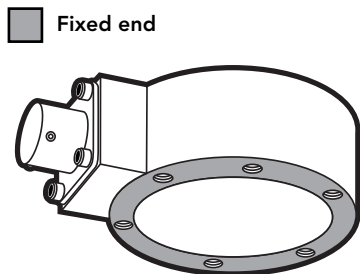
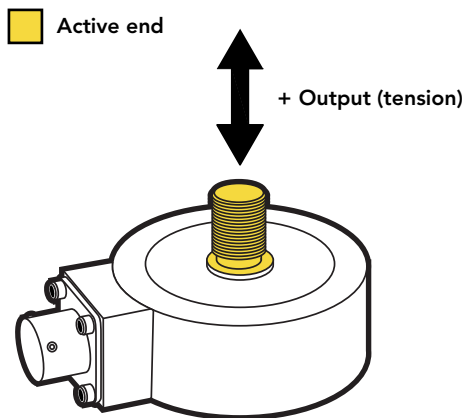




FEATURES

- One piece construction
- Low deflection
- For use in both tension and compression
- Low profile



SPECIFICATIONS

PERFORMANCE

Nonlinearity	±0.25% of RO
Hysteresis	±0.25% of RO
Nonrepeatability	±0.1% of RO

ELECTRICAL

Rated Output (RO)	0.75 mV/V (100, 500 lb) 1 mV/V (2000 lb) 1.5 mV/V (200, 1000, 3000, 5000 lb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	700 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	6 Pin BENDIX Receptacle (PT02E)
Connector Code	CC1 Standard/CC1T Available

MECHANICAL

Weight (approximate)	0.86 lb [0.39 kg]
Safe Overload	150% of RO
Material	17-4 PH stainless-steel
IP Rating	IP64

TEMPERATURE

Operating Temperature	0 to 200°F [-18 to 93°C]
Compensated Temperature	60 to 160°F [15 to 72°C]
Temperature Shift Zero	±0.0025% of RO/°F [0.005% of RO/°C]
Temperature Shift Span	±0.0025% of Load/°F [0.005% of Load/°C]

CALIBRATION

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt compression
Calibration (available)	Tension and Compression
Shunt Calibration Value	150 kOhm (200, 1000, 3000, 5000 lb) 200 kOhm (100, 500, 2000 lb)

Sensor Solution Source

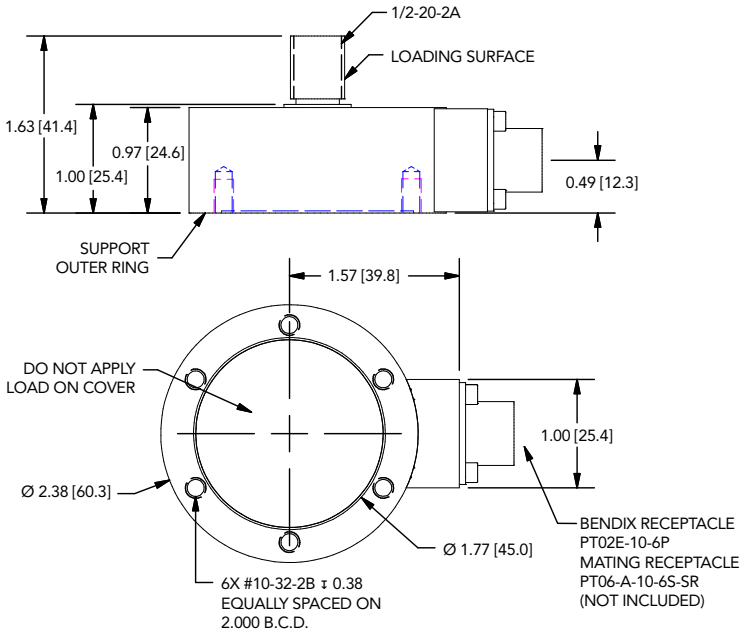
Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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DIMENSIONS inches [mm]

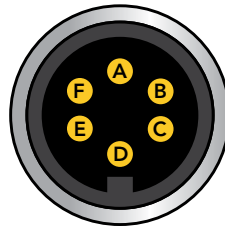


CAPACITIES

ITEM #	lb	N	Deflection (in)	Natural Frequency (Hz)
FSH03795	100	445	0.0019	1700
FSH01937	200	890	0.0017	2600
FSH03796	500	2224	0.0014	4500
FSH01750	1000	4448	0.0014	6200
FSH03797	2000	8896	0.0012	9200
FSH01752	3000	13340	0.0010	10000
FSH01753	5000	22241	0.0020	10500

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



Drawing Number: FI1044-B

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

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