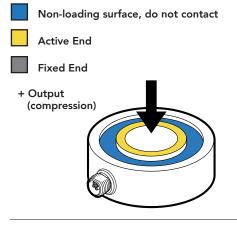
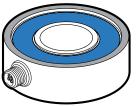




FEATURES

- Compatible in load washer applications •
- Offered in a variety of capacities and inner • diameters
- Low power consumption
- Fast response (μ s) and low deflection •
- Environmental Protection, IP67 Rated •
- Water Resistant and Outdoor Rated .
- Quick Disconnect Cable •





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SPECIFICATIONS	
PERFORMANCE	
Nonlinearity	±0.5% of RO
Hysteresis	±0.5% of RO
Nonrepeatability	±0.5% of RO
ELECTRICAL	
Rated Output (RO)	1.5 mV/V (100 lb) 2 mV/V (250–5000 lb) nom
Excitation (VDC or VAC)	18 max
Bridge Resistance	700 Ohm nom
Insulation Resistance	≥500 MOhm @ 50 VDC
Connection	4 Position Micro Receptacle
Wiring Code	CC19
MECHANICAL	
Capacities	100 lb [445 N], 250 lb [1112 N], 500 lb [2224 N], 1000 lb [4448 N], 2000 lb [8896 N], 3000 lb [13345 N], 5000 lb [22240 N]
Weight (approximate)	3.5 oz [99 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	150 kOhm (100 lb) 100 kOhm (500–5000 lb)
CONFORMITY	
RoHS	EU 2015/863
CE	EN55011; EN61326-1











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Model LTH350

DIMENSIONS inches [mm] TOLERANCE: NON LOADING SURFACE .X ± 0.1" [2.5] DO NOT CONTACT STANDARD IDS .XX ± 0.01" [0.25] SEE CHART .XXX ± 0.005" [0.127] Ø 1.480 [Ø 37.6] Ø 0.84 [Ø 21.2] Ø 1.24 [Ø 31.4] **4 POSITION MICRO CIRCULAR** LOADING SURFACE (KEY ORIENTATION VARIES) 0.20 [5.1] 0.500[12.7] 0.48[12.2] \odot DO NOT APPLY SUPPORT OUTER RING 0.02 [0.5] LOAD ON COVER -Ø 1.32 [Ø 33.5] — INNER DIAMETER

ID	Dimension $^{+0.01}_{-0.00} \begin{bmatrix} +0.25\\ -0.00 \end{bmatrix}$
1/4	0.259 [6.58]
5/16	0.322 [8.18]
3/8	0.384 [9.75]
7/16	0.447 [11.35]
1/2	0.509 [12.93]
9/16	0.572 [14.53]
5/8	0.634 [16.10]

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.

FUT	EK 4 PIN MICRO CIR	CULAR (CC19)	
1	+ EXCITATION	Red	
2	– EXCITATION	Black	2 1
3	– SIGNAL	White	4 3
4	+ SIGNAL	Green	

Drawing	Number:	FI1542
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FUTEK reserves the right to modify its design and specifications without notice. Please visit www.futek.com/salesterms for complete terms and conditions.

10 Thomas, Irvine, CA 92618 USA Tel: (949) 465-0900

ITEM # lb Ν ID FSH04581 5000 22240 1/4 in [6.35 mm] FSH04582 5000 22240 5/16 in [7.94 mm] FSH04583 100 445 3/8 in [9.53 mm] FSH04584 250 1112 3/8 in [9.53 mm] FSH04585 1000 4448 3/8 in [9.53 mm] FSH04586 2000 8896 3/8 in [9.53 mm] FSH04587 5000 22240 3/8 in [9.53 mm] FSH04588 100 445 7/16 in [11.1 mm] FSH04589 2224 500 1/2 in [12.7 mm] FSH04590 1000 4448 1/2 in [12.7 mm] FSH04591 2000 8896 1/2 in [12.7 mm] FSH04592 3000 13345 1/2 in [12.7 mm] FSH04593 5000 22240 1/2 in [12.7 mm] FSH04594 3000 13345 9/16 in [14.29 mm] FSH04595 100 445 5/8 in [15.88 mm] FSH04596 250 1112 5/8 in [15.88 mm] FSH04597 500 2224 5/8 in [15.88 mm] FSH04598 1000 4448 5/8 in [15.88 mm] FSH04599 2000 8896 5/8 in [15.88 mm] FSH04600 3000 13345 5/8 in [15.88 mm] FSH04601 5000 22240 5/8 in [15.88 mm] FSH04602 3000 13345 3/8 in [9.53 mm]

CAPACITIES

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