

FUTEK MODEL LTH300

DONUT/THRU HOLE LOAD CELL AVAILABLE WITH I.D.'S FROM 1/8 TO 3/8

Drawing Number: FI1006-A

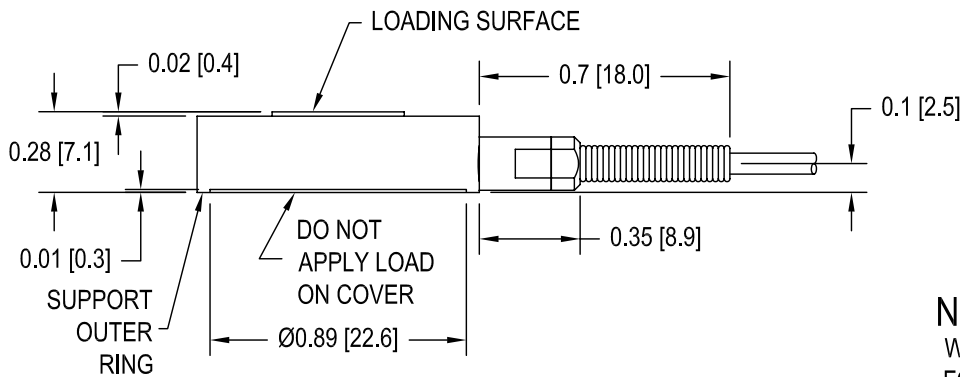
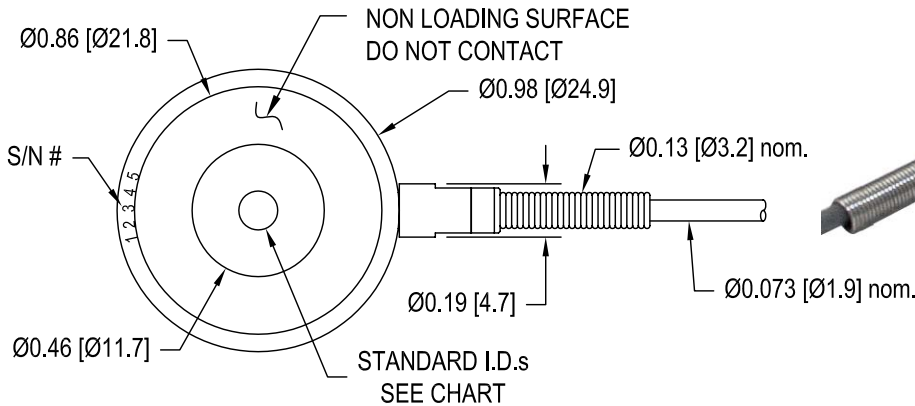
INCH [mm] | R.O.= Rated Output

WIRING CODE (WC1)

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE

Shield
FLOATING

+ OUTPUT
(COMPRESSION)



ID	Inner Diameter DIMENSION
1/8	0.136/0.134 [3.45/3.40]
3/16	0.199/0.197 [5.06/5.01]
1/4*	0.261/0.259 [6.63/6.58]
5/16	0.324/0.322 [8.23/8.18]
3/8*	0.386/0.384 [9.80/9.75]

NOTE:

WHILE TORQUING BOLTS, HIGH TENSION FORCES WILL OCCUR DURING INSTALLATION, WHICH COULD RESULT IN OVERLOADING THE SENSOR. FUTEK RECOMMENDS CONNECTING 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.

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY $\frac{lb}{N}$	50, 100*, 250, 500*, 1000* 222, 445*, 1112, 2224*, 4448*
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	±0.5% of R.O. } IMPROVED ACCURACY
HYSTERESIS	±0.5% of R.O. } AVAILABLE CONTACT
NONREPEATABILITY	±0.5% of R.O. } FACTORY
TEMP. SHIFT ZERO	±0.005% of R.O./°F [0.01% of R.O./°C]
TEMP. SHIFT SPAN	±0.005% of LOAD/°F [0.01% of LOAD/°C]
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
WEIGHT	2 oz [57 g]
MATERIAL	17-4PH S.S.
DEFLECTION	0.002 [0.05] nom.
CABLE: #29 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3 m] Long	
ACCESORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5 pt. COMPRESSION; 100k Ω SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC

* COMMONLY STOCKED CAPACITIES AND INNER DIAMETERS

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK

CAGE CODE # 1X8M6

10 THOMAS
IRVINE, CA 92618 USA
1-800-23-FUTEK (38835)

INTERNET:
<http://www.futek.com>