

FUTEK MODEL LBB300 (L1510)

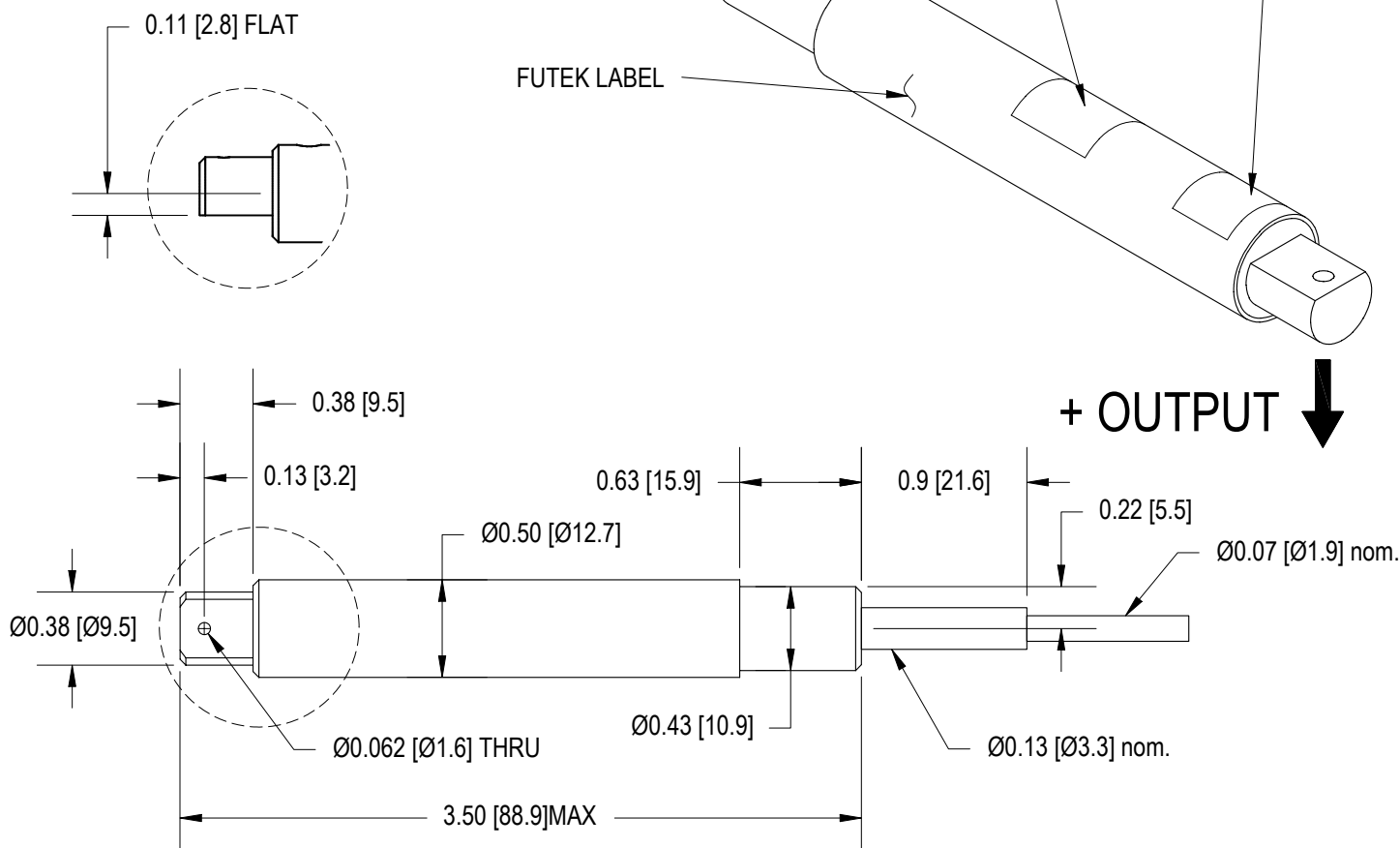
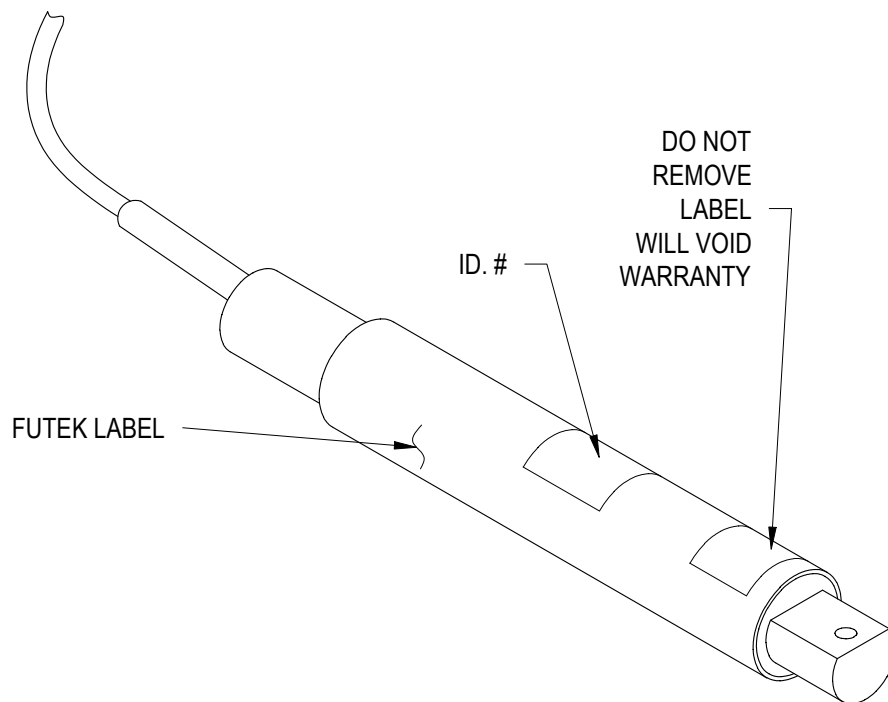
ROUND SHAFT BEAM LOAD CELL

Drawing Number: FI1050

INCH [mm] R.O.= Rated Output

WIRING CODE (WC1)

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



SPECIFICATIONS:

RATED OUTPUT
SAFE OVERLOAD

2 mV/V nom.
400% (0.25 to 5 lb)
200% (10 lb)

ZERO BALANCE
EXCITATION (VDC OR VAC)
BRIDGE RESISTANCE

±3% of R.O.
7 MAX (0.25 to 5 lb) 18 MAX (10 lb)
350 Ω nom.

NONLINEARITY
HYSTERESIS
NONREPEATABILITY

±0.05% of R.O.
±0.05% of R.O.
±0.03% of R.O.
±0.005% of R.O./°F [0.01% of R.O./°C]
±0.005% of LOAD/°F [0.01% of LOAD/°C]

TEMP. SHIFT ZERO
TEMP. SHIFT SPAN
COMPENSATED TEMP.
OPERATING TEMP.

60 to 160°F [15 to 72°C]
-60 to 200°F [-50 to 93°C]

WEIGHT

1 oz [28 g]

MATERIAL

ALUMINUM

DEFLECTION

0.007 to 0.018 [0.18 to 0.46] nom.

CABLE: #29 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3 m] Long

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)

5 pt. COMPRESSION; 60K Ω SHUNT CAL. VALUE

CALIBRATION TEST EXCITATION

5 VDC (0.25 to 5 lb) 10 VDC (10 lb)

CAPACITIES		
STK #	lb	N
FSH00934	0.25	1.1
FSH00935	0.5	2.2
FSH00936	1	4.5
FSH00937	1.5	6.7
FSH00938	2	8.9
FSH00939	5	22.2
FSH00940	10	44.5