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FUTEK MODEL QLA277

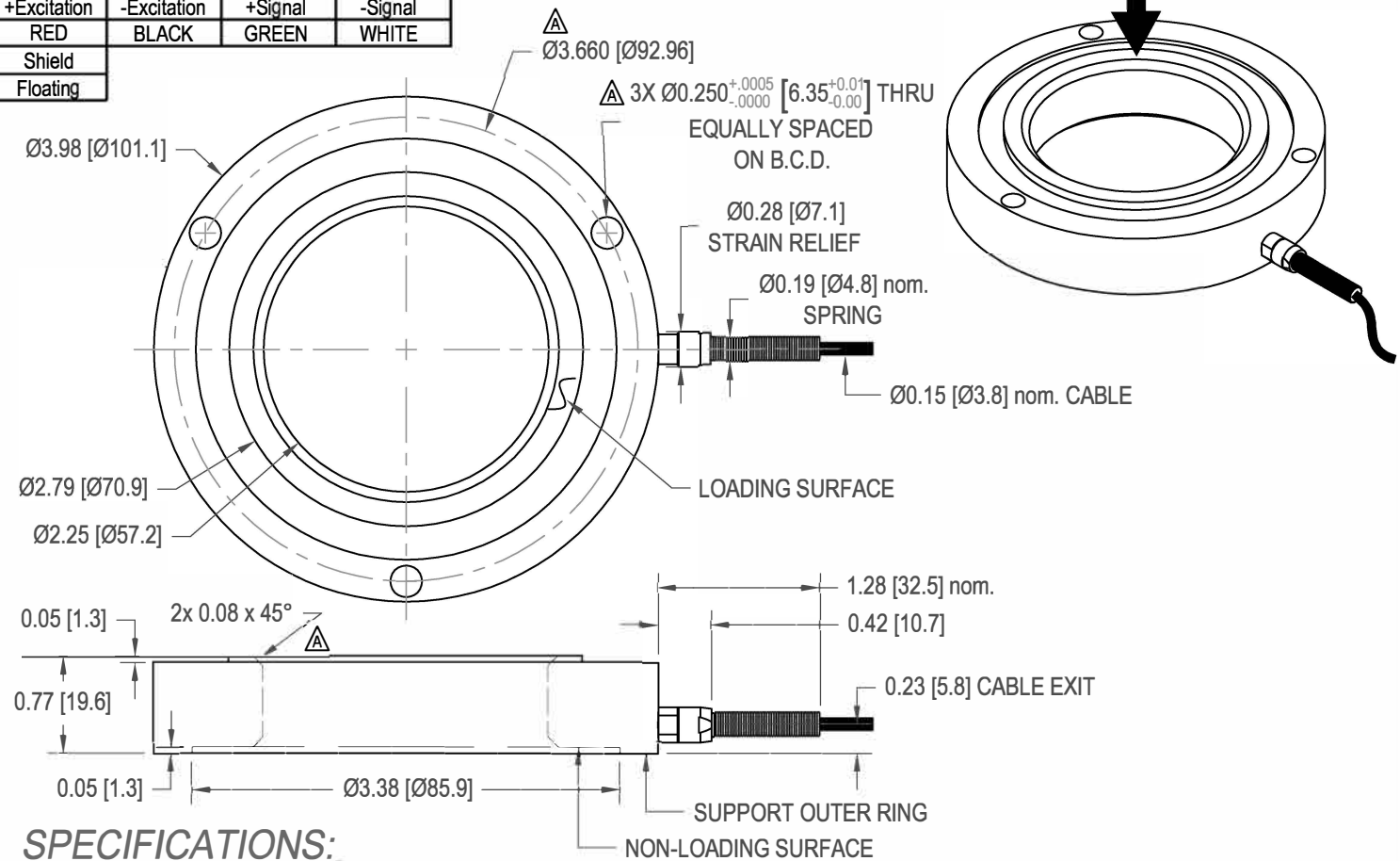
CUSTOM DONUT LOAD CELL

STOCK NUMBER: QSH00838

INCH (mm) | R.O.= Rated Output

WIRING CODE (WC1)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
Floating			

+OUTPUT
(COMPRESSION)



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	50K lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 max.
BRIDGE RESISTANCE	350/700Ω nom.
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (0.04% of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (0.04% of LOAD/°C)
COMPENSATED TEMP.	60 to 160°F (15 to 72°C)
OPERATING TEMP.	-60 to 200°F (-50 to 93°C)
WEIGHT	1.5 lbs
MATERIAL	Stainless Steel
CABLE: #24 AWG, 4 Conductor, Braided Shielded, PVC Cable, 10 ft [3 m] Long.	

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.

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

11-13-06

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:
±1/2°

CHAMFER:
±5°

TOLERANCE:
.X ±0.1
.XX ±0.01
.XXX ±0.005

3rd ANGLE PROJ.



FUTEK

CAGE: 1X8M6

MODEL: QLA277

DRAWN BY: H. AU

APPROVED BY: R. WALKER

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DWG No.: FO1157

CHECKED BY: J. VARGAS

DATE: NOV. 7, 2006