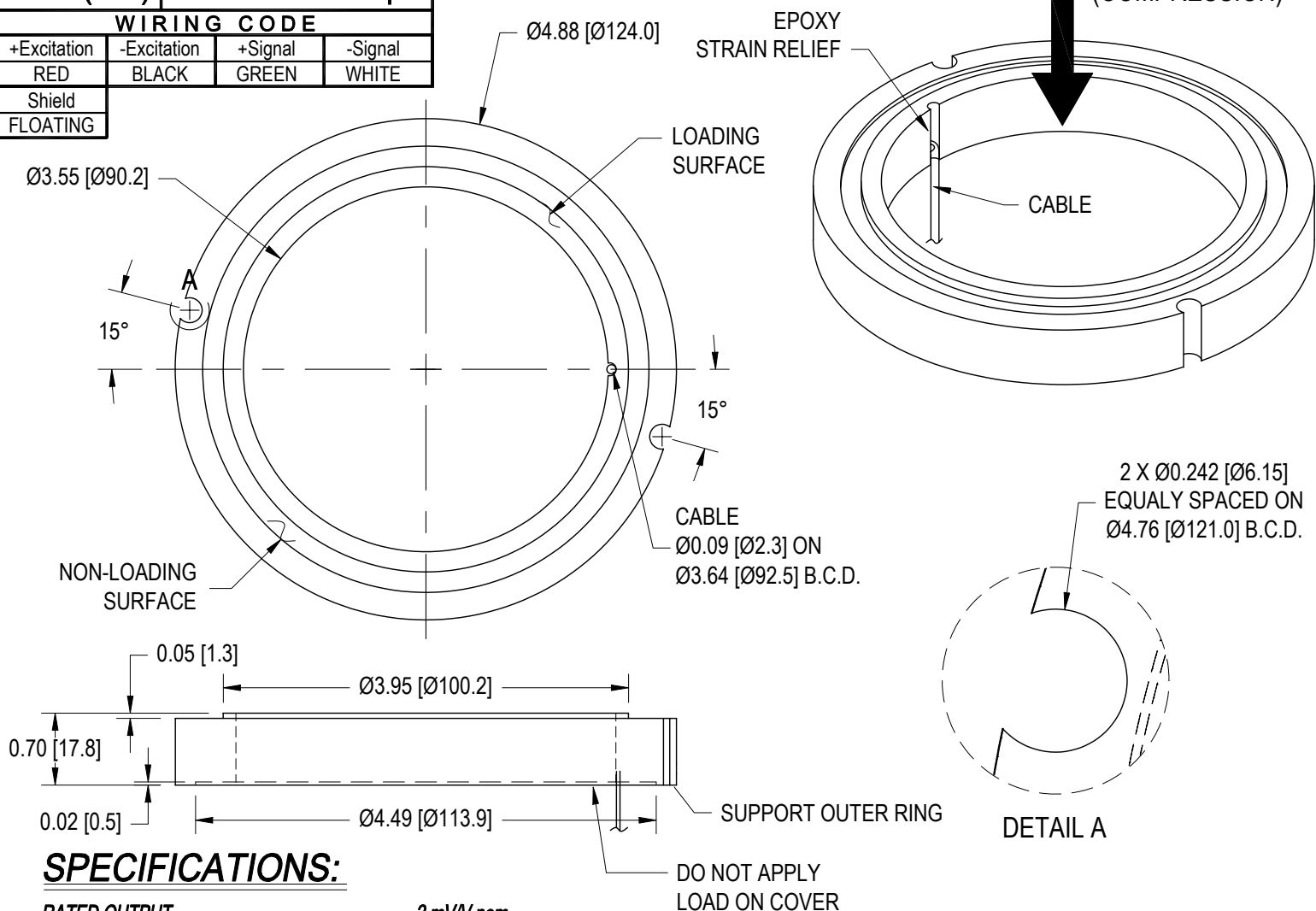


# FUTEK MODEL QLA305

# CUSTOM DONUT LOAD CELL

STOCK NUMBER: QSH01198

INCH (mm)		R.O.= Rated Output	
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			



## SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	75000 lbs
SAFE OVERLOAD	NONE
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	350Ω nom
NONLINEARITY	±3% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F
TEMP. SHIFT SPAN	±0.02% of LOAD/°F
COMPENSATED TEMP.	60 to 160°F
OPERATING TEMP.	0 to 200°F
WEIGHT	1.5 lb
MATERIAL	STAINLESS STEEL
CABLE: #29 Awg 4 Conductor Spiral Shielded Silicone Cable, 10 ft Long	

## NOTES:

- 1) SENSOR IS ENVIRONMENTALLY PROTECTED AGAINST AUTOMOTIVE OILS, WATER AND CONDUCTIVE DUST
- 2) 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.

**DSPM Industrie**  
sensori & trasduttori

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info@dspmindustria.it www.dspmindustria.it

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)  
9-19-08

## OUTLINE DRAWING

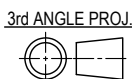
STANDARD NOTES: (Unless Otherwise Specified)

- 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:  
.XX ±.01  
.XXX ±.005



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**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

CAGE: 1X8M6

MODEL: **QLA305**

DRAWN BY: R. WALKER

APPROVED BY: J. VARGAS

DWG No.: **FO1224**

CHECKED BY: -

DATE: **Sept 16, 2008**