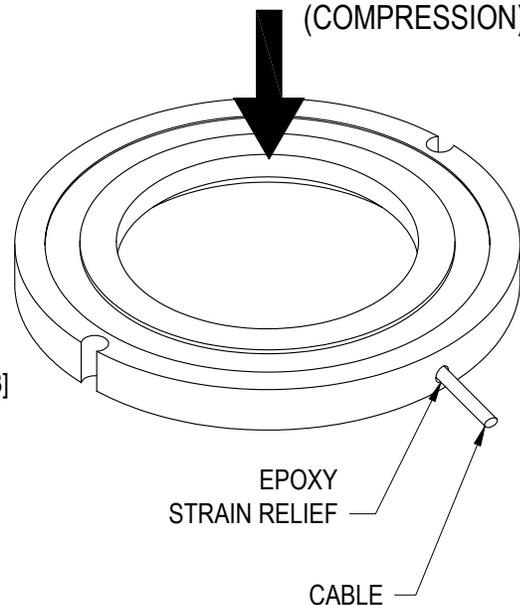
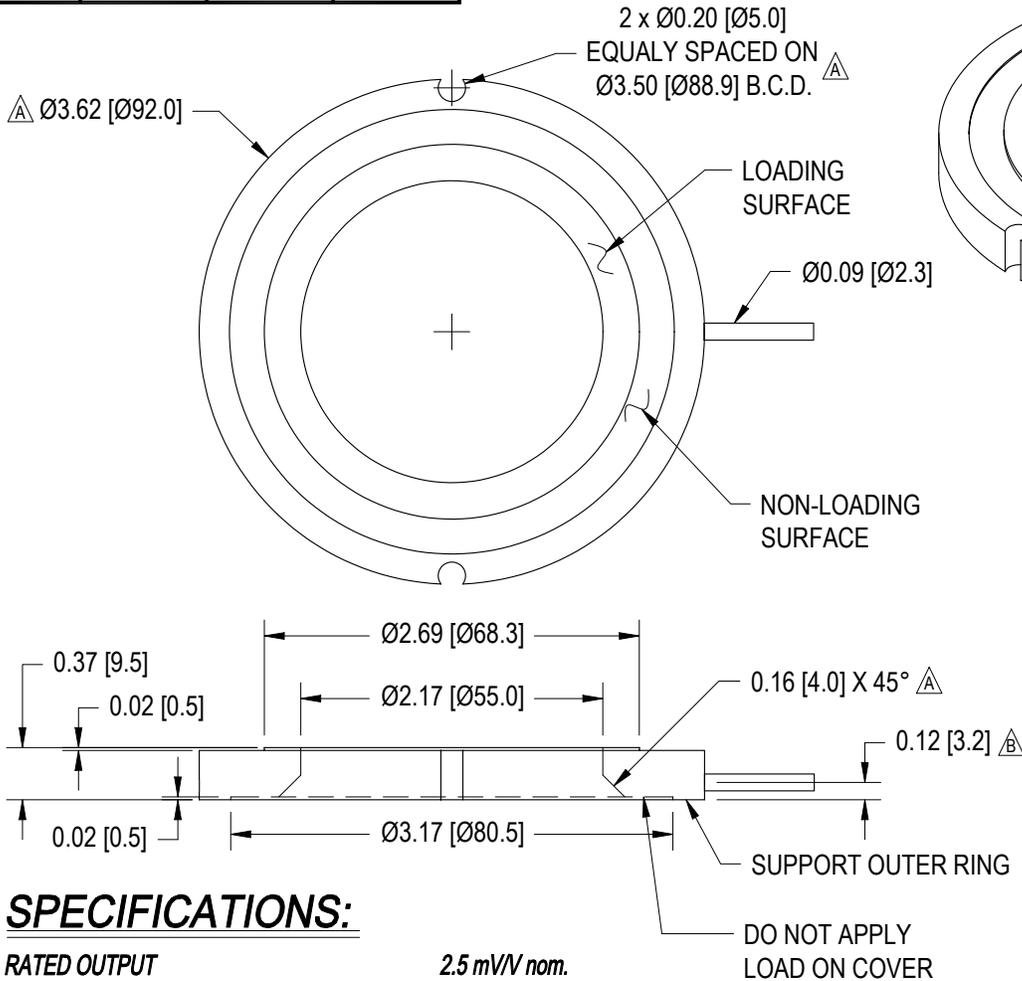


# FUTEK MODEL QLA233 CUSTOM DONUT LOAD CELL

STOCK NUMBER: QSH00553

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

+ OUTPUT  
(COMPRESSION)



## SPECIFICATIONS:

RATED OUTPUT	2.5 mV/V nom.
CAPACITY	20000 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	±2% 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	0.7 lb
MATERIAL	STAINLESS STEEL
CABLE: #29 Awg 4 Conductor Spiral Shielded Teflon Cable, 10 ft 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)

$\triangle A$  03-07-05

$\triangle B$  04-04-05

## 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

3rd ANGLE PROJ.



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**  
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CAGE: 1X8M6

MODEL: QLA233

DRAWN BY: H. AU

APPROVED BY: XXXXX

DWG No.: FO1087

CHECKED BY: XXXXX

DATE: MAR. 4, 2005