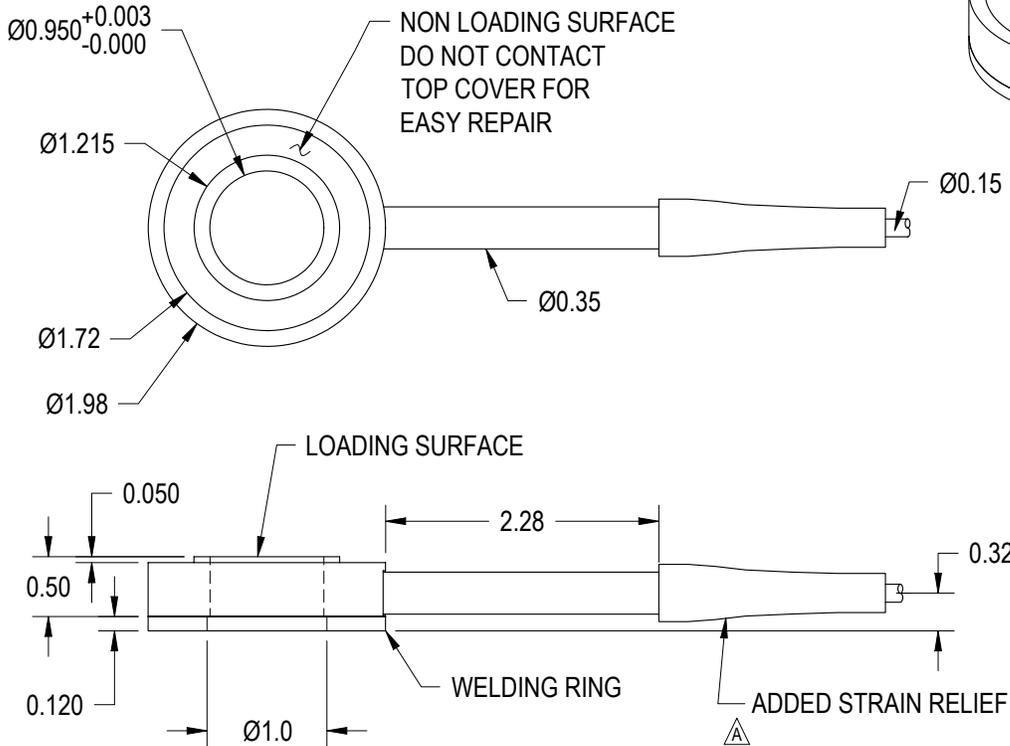
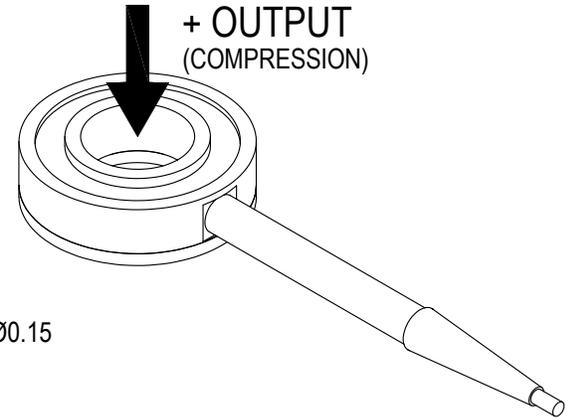


# FUTEK MODEL QLA107 DONUT / THRU HOLE LOAD CELL

STOCK NUMBER: QSH00177

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



## SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	1000 lb
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	$\pm 1\%$ of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 $\Omega$ nom.
NONLINEARITY	$\pm 2\%$ of R.O.
NONREPEATABILITY	$\pm 0.5\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.02\%$ of R.O./°F
TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/°F
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-40 to 200°F
MATERIAL	17-4PH S.S.
CABLE: #24 AWG, 4 Conductor, Braided Shielded PVC Cable 15 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:

—

HEAT TREATMENT - FINISH:

—

REVISIONS: (Refer to dwg # revision sheet)

6-29-04

## OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

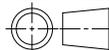
- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:  
 $\pm 1/2^\circ$

CHAMFER:  
 $\pm 5^\circ$

TOLERANCE:  
.XX  $\pm 0.01$   
.XXX  $\pm 0.005$

3rd ANGLE PROJ.



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**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

10 THOMAS  
IRVINE, CA 92618 USA  
Phone: (949) 465-0900  
Fax: (949) 465-0905

CAGE: 1X8M6

MODEL: QLA107

DRAWN BY: S. Shirke

APPROVED BY: R. Walker

DWG No.: FO1034

CHECKED BY: XXXXX

DATE: Feb. 24, 2004