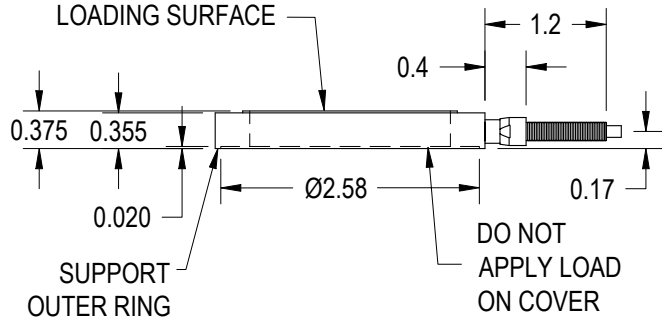
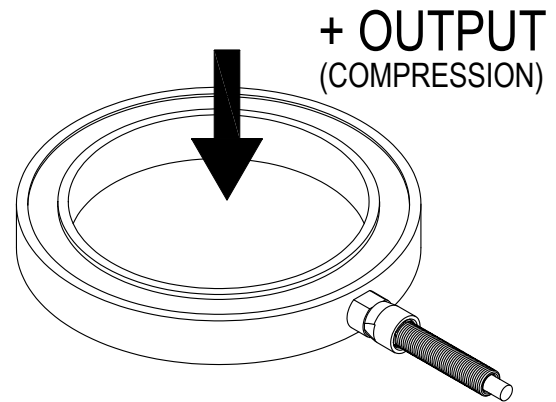
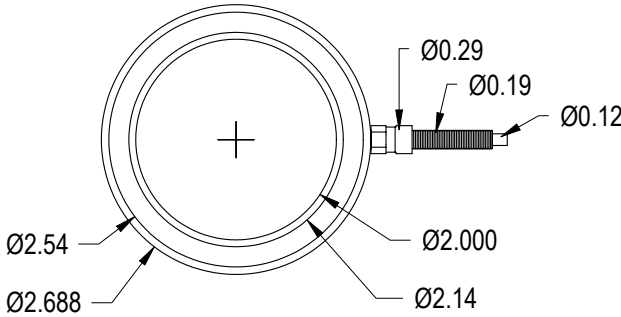


# FUTEK MODEL QLA209 DONUT / THRU HOLE LOAD CELL

STOCK NUMBER: QSH00443

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



## SPECIFICATIONS:

<b>RATED OUTPUT</b>	2 mV/V nom.
<b>CAPACITY</b>	2000 lbs
<b>SAFE OVERLOAD</b>	150% of R.O.
<b>ZERO BALANCE</b>	±3 of R.O.
<b>EXCITATION (VDC OR VAC)</b>	18 MAX
<b>BRIDGE RESISTANCE</b>	700 Ω nom
<b>NONLINEARITY</b>	±2% of R.O.
<b>NONREPEATABILITY</b>	±0.5% of R.O.
<b>TEMP. SHIFT ZERO</b>	±0.02% of R.O./°F
<b>COMPENSATED TEMP.</b>	60 to 160°F
<b>OPERATING TEMP.</b>	0 to 160°F
<b>WEIGHT</b>	approx 0.25 lb
<b>MATERIAL</b>	17-4 ph S.S.
<b>CABLE: 28 AWG, 4 Conductor Braided Shielded PVC Cable, 10 ft Long</b>	

## 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.

**DSPM Industria\***  
sensori & trasduttori

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info@dspmindustria.it www.dspmindustria.it

MATERIAL:

—

HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

▲ XXX

## 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**  
ADVANCED SENSOR TECHNOLOGY, INC.

**CAGE: 1X8M6**

MODEL: **QLA209**

DWG No.: **FO1058**

DRAWN BY: **R. WALKER**

CHECKED BY: **XXXXX**

APPROVED BY: **J. VARGAS**

DATE: **Aug 25, 2004**