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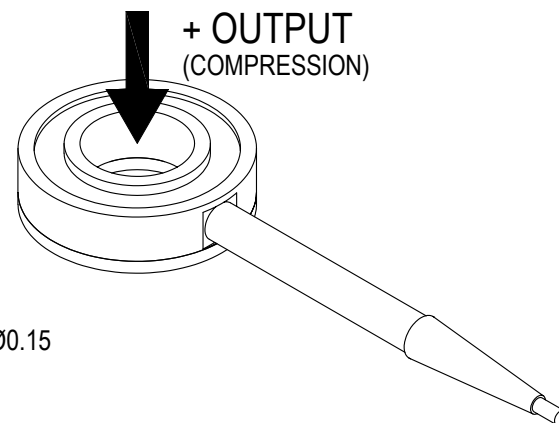
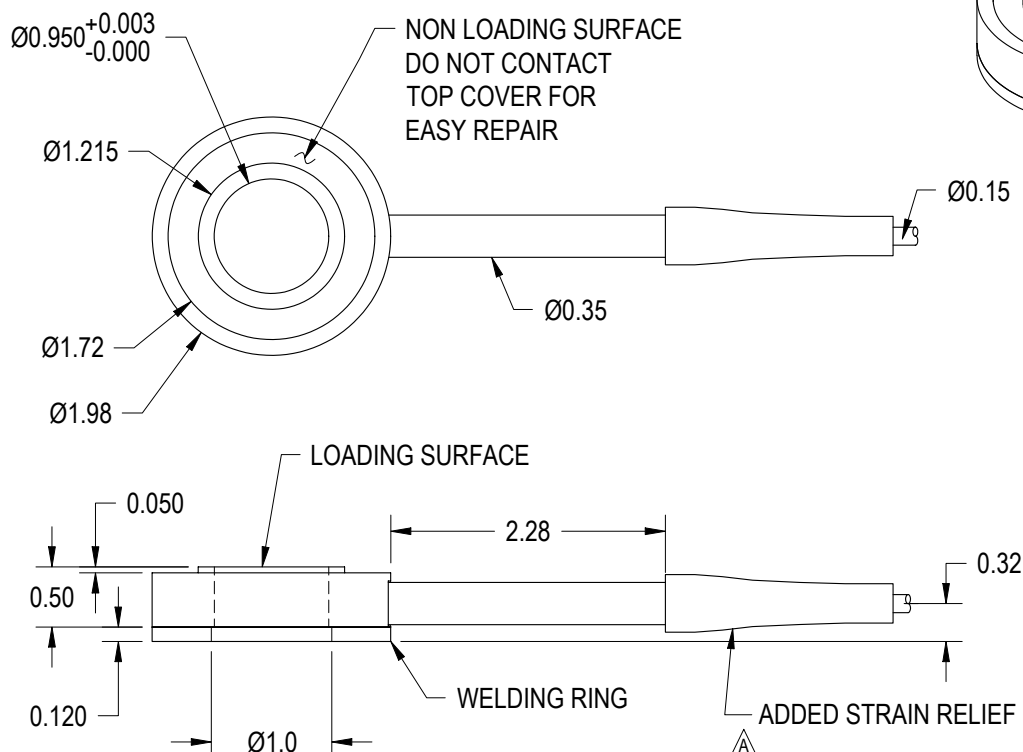
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# FUTEK MODEL QLA107 DONUT / THRU HOLE LOAD CELL

STOCK NUMBER: QSH00177

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



## SPECIFICATIONS:

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

MATERIAL:

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HEAT TREATMENT - FINISH:

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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:

±1/2°

CHAMFER:

±5°

TOLERANCE:

.XX ±.01

.XXX ±.005

3rd ANGLE PROJ.



# FUTEK

CAGE: 1X8M6

MODEL: QLA107

DRAWN BY: S. Shirke

APPROVED BY: R. Walker

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DWG No.: FO1034

CHECKED BY: XXXXX

DATE: Feb. 24, 2004