

FUTEK MODEL QLA247 DONUT / THRU HOLE LOAD CELL

STOCK NUMBER: QSH00639

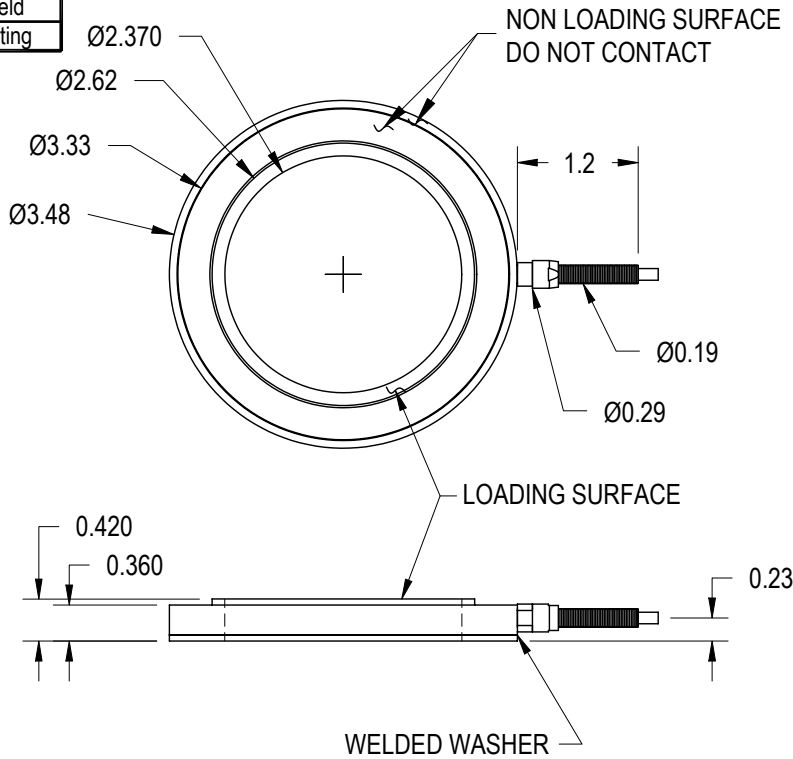
(Previously Q12001)

INCH (mm) | R.O.= Rated Output

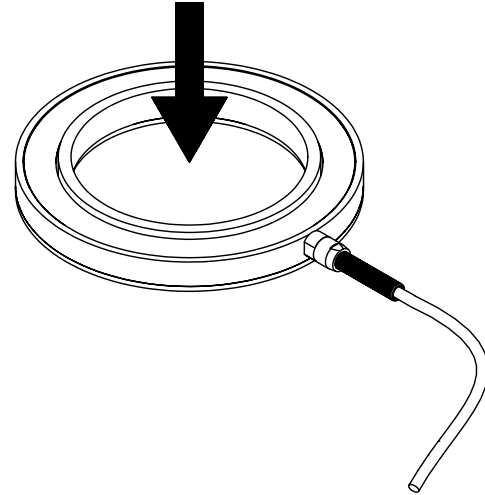
WIRING CODE

| +Excitation | -Excitation | +Signal | -Signal |
|-------------|-------------|---------|---------|
| RED | BLACK | GREEN | WHITE |

Shield
Floating



+ OUTPUT
(COMPRESSION)



SPECIFICATIONS:

| | |
|--|-------------------|
| RATED OUTPUT | 2 mV/V nom. |
| CAPACITY | 1000 lb |
| SAFE OVERLOAD | 150% of R.O. |
| ZERO BALANCE | ±3% of R.O. |
| EXCITATION (VDC OR VAC) | 18 MAX |
| BRIDGE RESISTANCE | 700 Ω nom |
| NONLINEARITY | ±1% 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 160°F |
| MATERIAL | 17-4PH S.S. |
| CABLE: 28 AWG, 4 Conductor Braided Shielded PVC Cable, 10 ft Long | |
| CALIBRATION: 5 pt Compression; 100K Ohm SHUNT VALUE | |

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.

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sensori e trasduttori

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OLD DWG # F4411-A

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.



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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

CAGE: 1X8M6

MODEL: **QLA247**

DWG No.: **F01218**

DRAWN BY: **R. WALKER**

CHECKED BY: **XXXXX**

APPROVED BY: **-**

DATE: **July 10, 2008**

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

