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# FUTEK MODEL QLA106

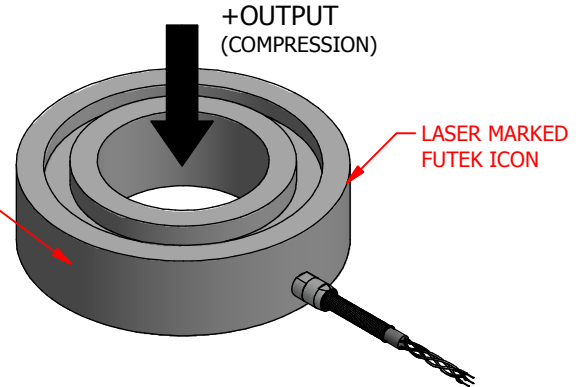
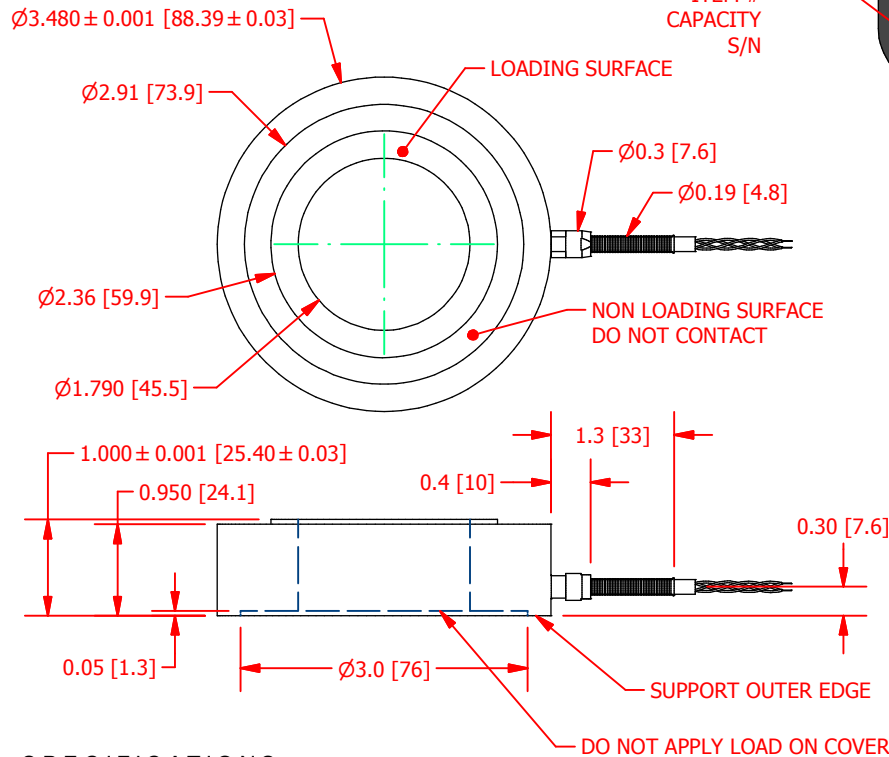
## DONUT / THROUGH HOLE LOAD CELL

ITEM NUMBER: QSH01925



INCH [mm] R.O. = Rated Output

| WIRING CODE  |              |          |          |
|--------------|--------------|----------|----------|
| + Excitation | - Excitation | + Signal | - Signal |
| RED          | BLACK        | GREEN    | WHITE    |
| Shield       |              |          |          |
| FLOATING     |              |          |          |



### SPECIFICATIONS:

|                                                                       |                                       |
|-----------------------------------------------------------------------|---------------------------------------|
| RATED OUTPUT                                                          | 2 mV/V +/-1%.                         |
| CAPACITY                                                              | 30000 lb. [133200N]                   |
| SAFE OVERLOAD                                                         | 150 % of R.O.                         |
| ZERO BALANCE                                                          | ±3% of R.O.                           |
| EXCITATION (VDC OR VAC)                                               | 18 MAX                                |
| BRIDGE RESISTANCE                                                     | 700 Ω nom.                            |
| NONLINEARITY                                                          | ±0.5% of R.O.                         |
| HYSTERESIS                                                            | ±0.5% of R.O.                         |
| NONREPEATABILITY                                                      | ±0.5% of R.O.                         |
| TEMP. SHIFT ZERO                                                      | ±0.02% of R.O./°F (±0.036 of R.O./°C) |
| TEMP. SHIFT SPAN                                                      | ±0.02% of LOAD/°F (±0.036 of LOAD/°C) |
| COMPENSATED TEMP.                                                     | 60 to 160 °F (16 to 71 °C)            |
| OPERATING TEMP                                                        | -60 to 200 °F (-51 to 93 °C)          |
| WEIGHT (approx)                                                       | 1.5 lb [680.3 g]                      |
| MATERIAL                                                              | 17-4 PH S.S.                          |
| DEFLECTION                                                            | 0.0005 [0.013] nom.                   |
| CABLE: #24 Awg 4 Conductor Braided Shielded Cable, 10 ft [1.5 m] Long |                                       |
| CE COMPLIANCE                                                         | 2011/65/EU                            |



CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A 7-6-17

## OUTLINE DRAWING

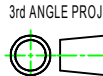
STANDARD NOTES: (Unless Otherwise Specified)

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:  
.X ± 0.1"  
.XX ± 0.01"  
.XXX ± 0.005"



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MODEL: **QLA106**

DWG No.: **F01226-A**

DRAWN BY: **T. LEE**

CREATED DATE: **10/10/2008**

APPROVED BY: **R. WALKER**

APPROVED DATE: **10/10/2008**

CHECKED BY:

CAGE: 1X8M6 SHEET: 1 OF 1