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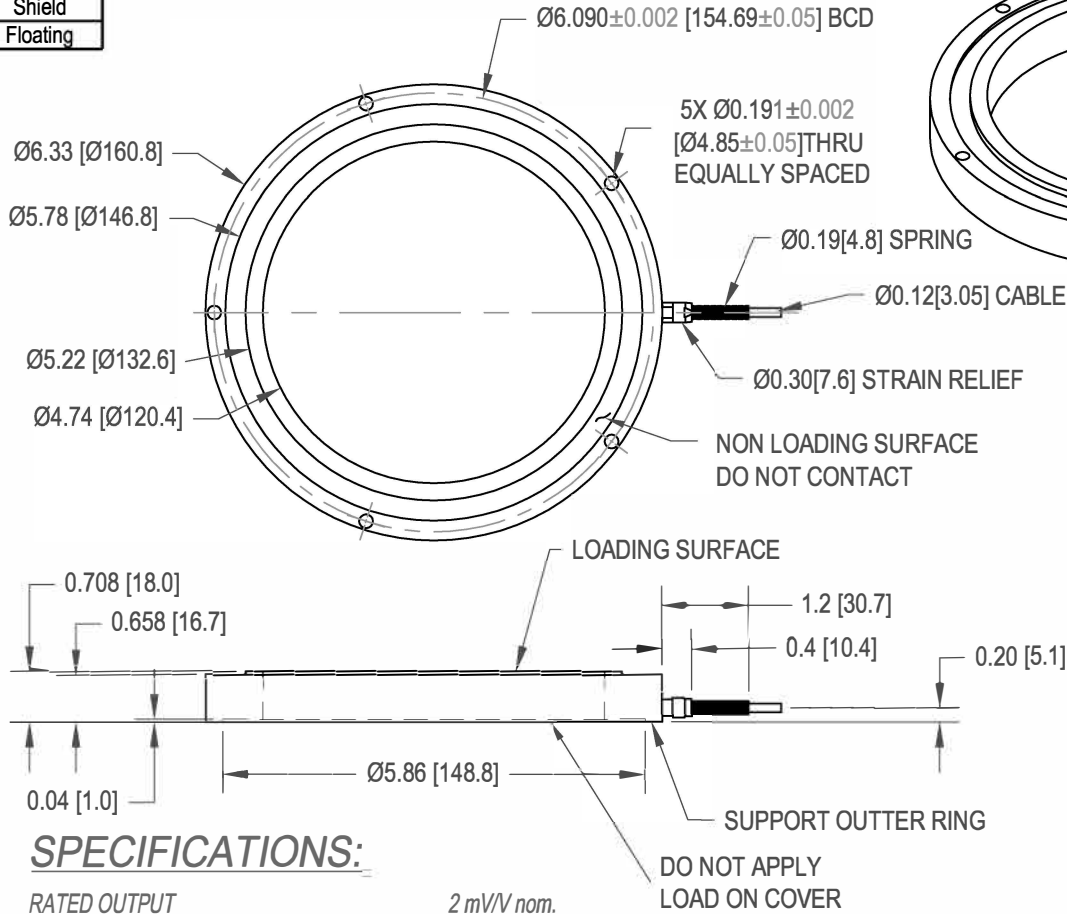
# FUTEK MODEL QLA261

# CUSTOM DONUT LOAD CELL

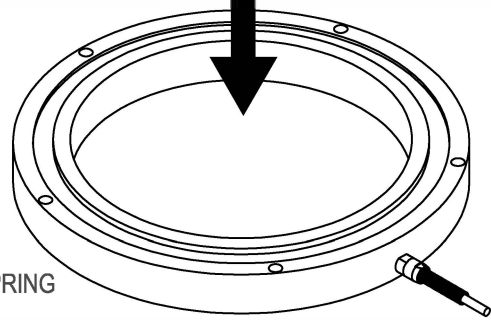
STOCK NUMBER: QSH00723

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                                                             | 56000 lbs         |
| SAFE OVERLOAD                                                        | 150% of R.O.      |
| ZERO BALANCE                                                         | ±3% of R.O.       |
| EXCITATION (VDC OR VAC)                                              | 18 MAX            |
| BRIDGE RESISTANCE                                                    | 350/700Ω nom      |
| NONLINEARITY                                                         | ±2% 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 200°F        |
| WEIGHT                                                               | 2 lb              |
| MATERIAL                                                             | 17-4PH S.S.       |
| CABLE: #26 Awg 4 Conductor Braided Shielded Teflon Cable, 10 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)

## OUTLINE DRAWING

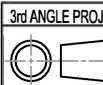
STANDARD NOTES: (Unless Otherwise Specified)

- 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  
.XXXX ±0.001



# FUTEK

CAGE: 1X8M6

MODEL: QLA261

DRAWN BY: R. WALKER

APPROVED BY: H. AU

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DWG No.: FO1129

CHECKED BY: -

DATE: Apr 20, 2006