

Terms and Conditions of Use

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. **Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing**, in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.

By accessing the Drawing, you agree that you have read, understand, and agree to abide by the stated Terms and Conditions of Use.

© 2023 FUTEK Advanced Sensor Technology, Inc.

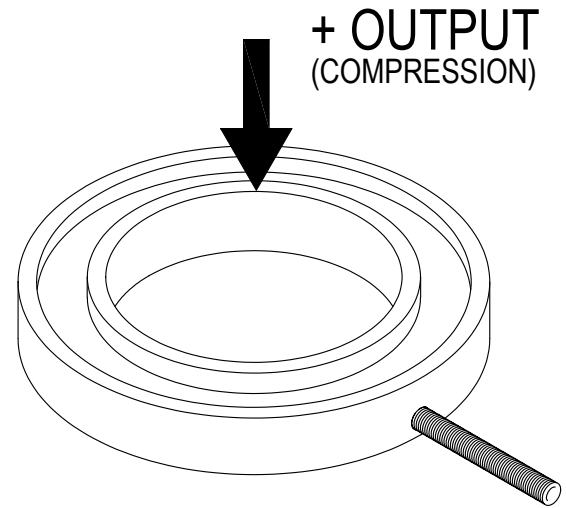
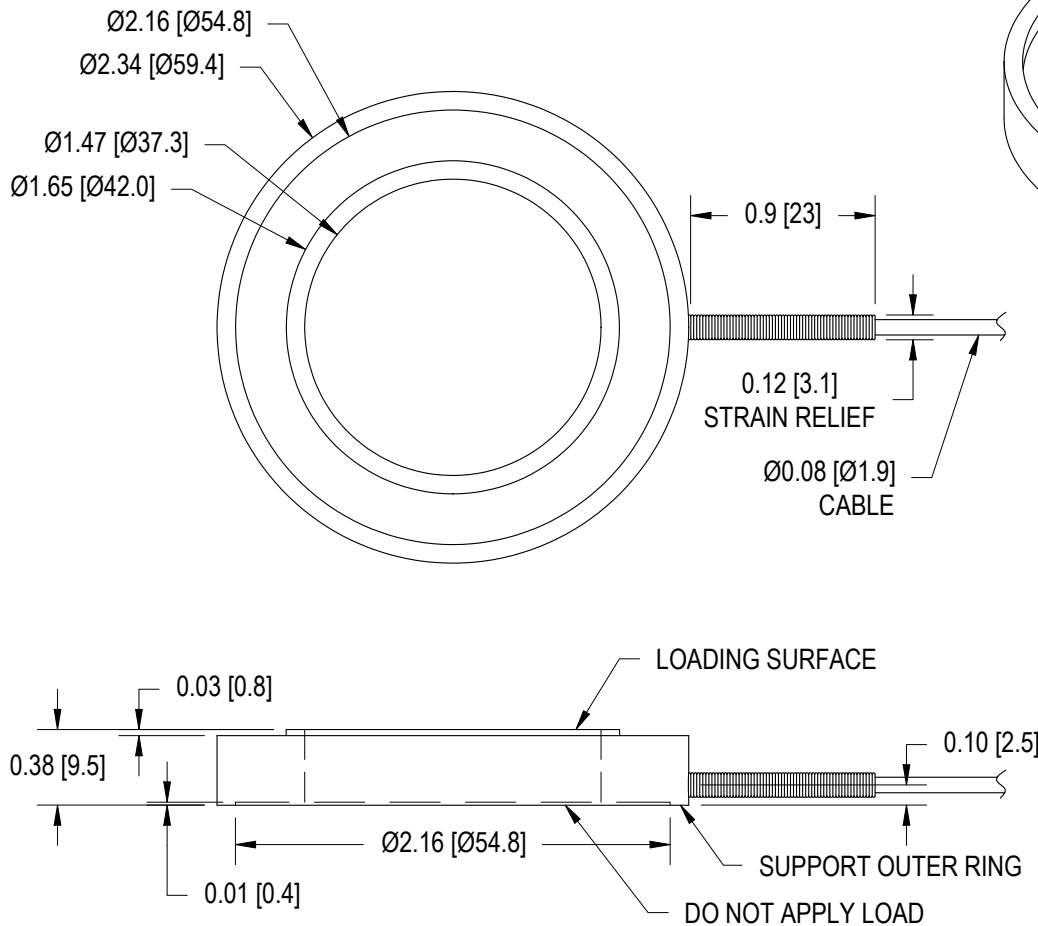
FUTEK MODEL QLA237

STOCK NUMBER: QSH00314

CUSTOM DONUT LOAD CELL

(PREVIOUSLY Q07567)

INCH (mm)		R.O.= Rated Output	
WIRING CODE (WC1)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			



Note:

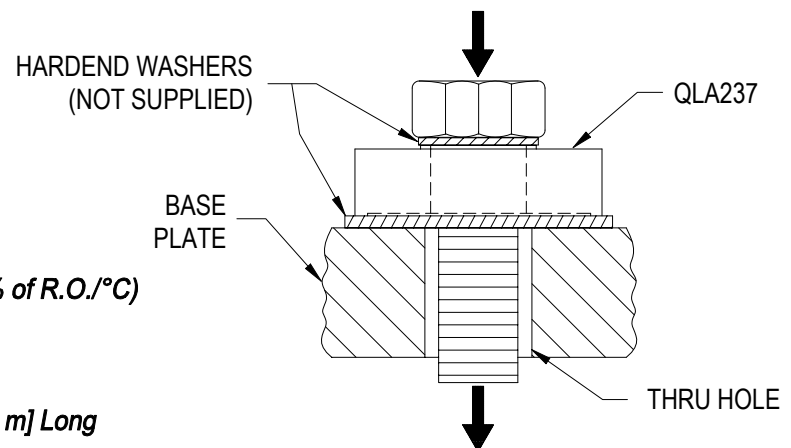
While torquing bolts, high tension forces will occur during installation which could result in overloading the sensor. Futek recommends connecting sensor to a system in order to monitor the applied forces.

Futek is not liable or responsible for the mishandling of the sensor during installation.

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	250 lb
SAFE OVERLOAD	50% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	$\pm 3.0\%$ of R.O.
NONREPEATABILITY	$\pm 0.2\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.005\%$ of R.O./°F (0.009% of R.O./°C)
COMPENSATED TEMP.	60 to 160°F (15 to 72°C)
OPERATING TEMP.	-60 to 212°F (-50 to 100°C)
MATERIAL	Stainless Steel
CABLE: #29 AWG, 4 Conductor, Shielded Teflon Cable 10 ft [3 m] Long	

MOUNTING DIAGRAM



MATERIAL:

—

HEAT TREATMENT - FINISH:

—

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:

$\pm 1/2^\circ$

CHAMFER:

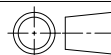
$\pm 5^\circ$

TOLERANCE:

.XX $\pm .01$

.XXX $\pm .005$

3rd ANGLE PROJ.



FUTEK

CAGE: 1X8M6

MODEL: QLA237

DRAWN BY: H. AU

APPROVED BY: XXXXX

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing, in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.

DWG No.: FO1095

CHECKED BY: XXXXX

DATE: JUN 1, 2005