

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.

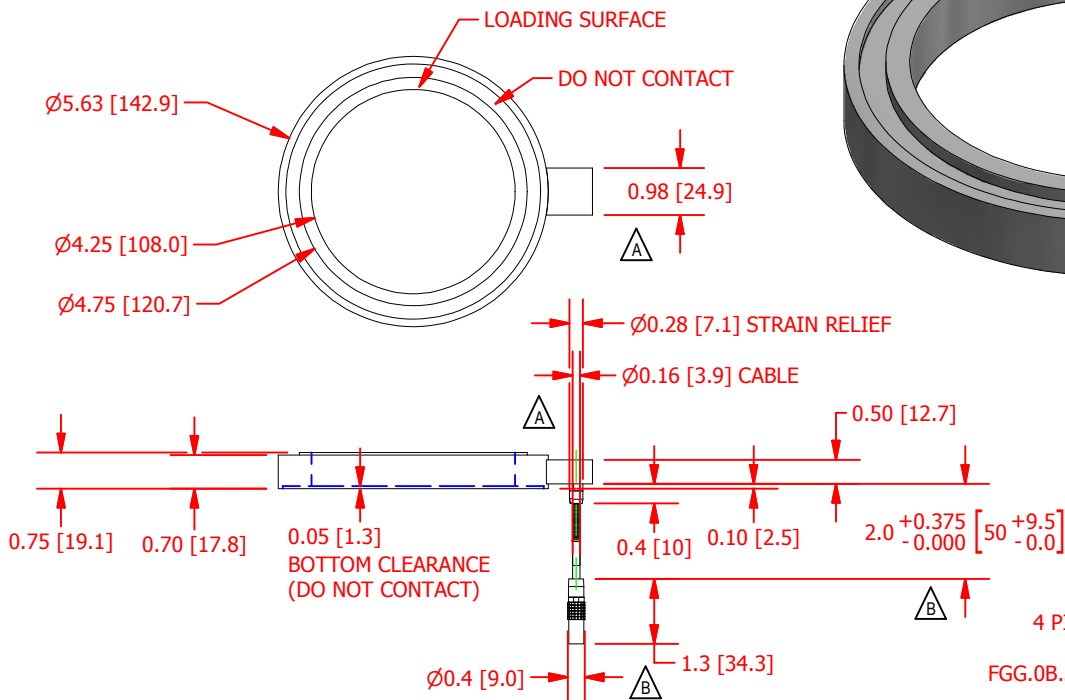
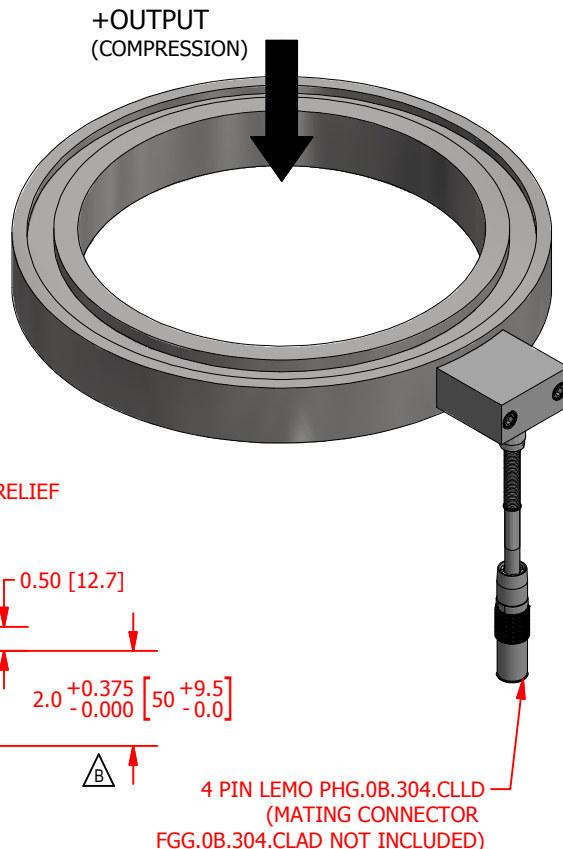
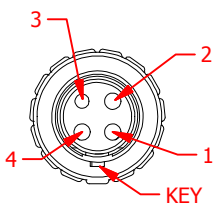
© 2023 FUTEK Advanced Sensor Technology, Inc.

FUTEK MODEL QLA371

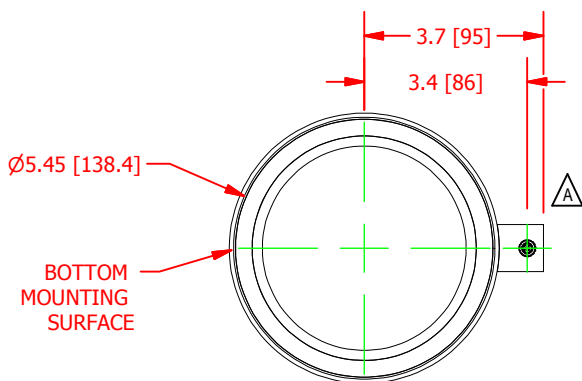
CUSTOM DONUT / THRU HOLE LOAD CELL

ITEM NUMBER: QSH00659

INCH [mm]		R.O. = Rated Output	
WIRING CODE (CC4)			
+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
PIN 1	PIN 4	PIN 2	PIN 3



4 PIN LEMO PHG.0B.304.CLLD
(MATING CONNECTOR
FGG.0B.304.CLAD NOT INCLUDED)



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	5000 lb [22.24kN]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 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.	-40 to 200 °F (-40 to 93 °C)
WEIGHT (approx)	1.5 lb
MATERIAL	Stainless Steel

A CABLE: 24 Awg, 4 Conductor Braided Shielded Teflon Cable, 2 inch Long to 4 Pin Lemo PHG.0B.304.CLLD

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	4/8/2013
B	4/10/2013

OUTLINE DRAWING

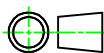
STANDARD NOTES: (Unless Otherwise Specified)

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°

3rd ANGLE PROJ.
TOLERANCE:
.X ± 0.1"
.XX ± 0.01"
.XXX ± 0.005"



FUTEK

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.

MODEL: **QLA371** DWG No.: **FO1342-B**

DRAWN BY: R. Walker CREATED DATE: 3/25/2013

APPROVED BY: _____ APPROVED DATE:

CHECKED BY: E. Mokheri CAGE: 1X8M6 SHEET: 1 OF 1