

## 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.

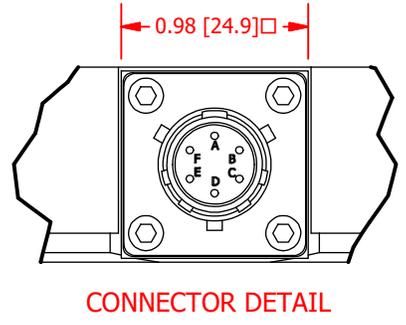
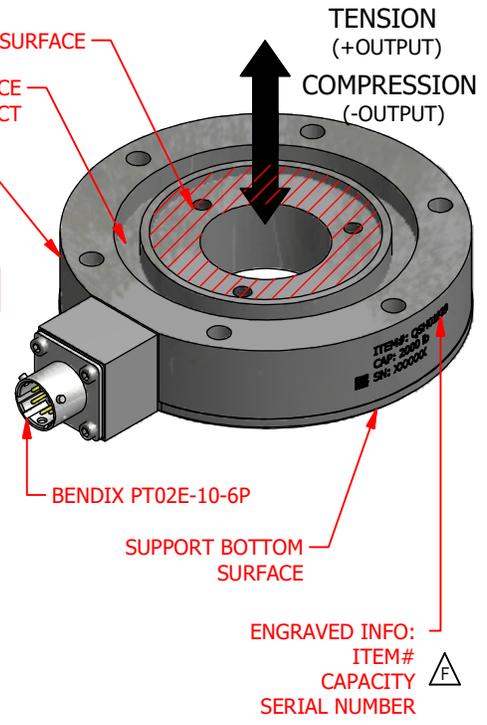
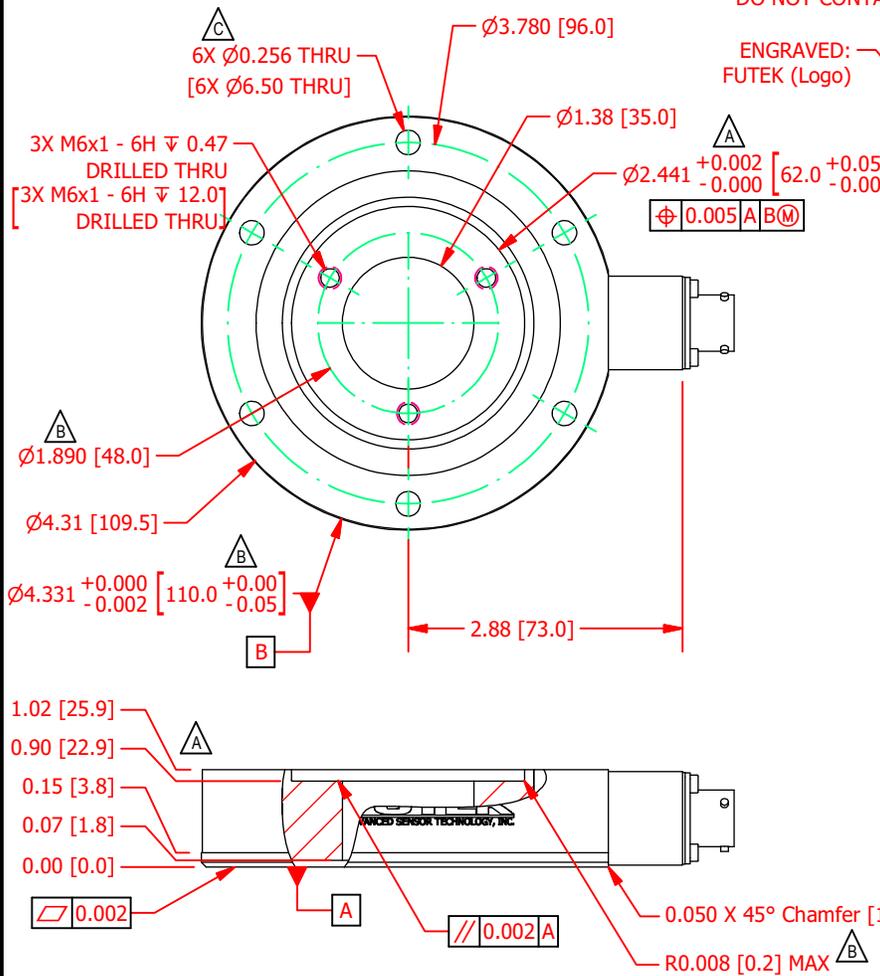
© 2023 FUTEK Advanced Sensor Technology, Inc.

# FUTEK MODEL QLA391

ITEM NUMBER: QSH01829

## Custom Tension and Compression Thru Hole Load Cell w/ 4-20 mA Output

INCH [mm]   R.O. = Rated Output		
WIRING CODE CC1C		
+ Power Supply	- Ground	+ Current Output
PIN A	PIN B	PIN C



### SPECIFICATIONS:

RATED OUTPUT	± 8 mA
CAPACITY	2000 lb. [8880N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	12 mA
POWER SUPPLY	16-24 VDC
MAX OUTPUT LOAD IMPEDANCE	500 Ohm
MAX CURRENT	46 mA @ Full Load
-3dB BANDWIDTH	1000 Hz
NONLINEARITY	± 1% 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	-13 to 185 °F (-25 to 85 °C)
WEIGHT (approx)	2 lb [907 g]
MATERIAL	17-4 PH S.S.
CONNECTOR:	BENDIX PT02E-10-6P
CALIBRATION (STD)	5 pt. TENSION AND COMPRESSION

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	1/4/2016	F	7/11/2019
B	1/6/2016		
C	1/12/2016		
D	10/26/2016		
E	7/1/2019		

## 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"

3rd ANGLE PROJ.

# 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: <b>QLA391</b>	DWG No.: <b>FO1410-F</b>
DRAWN BY: <i>E. Pano</i>	CREATED DATE: 11/10/2015
APPROVED BY: <i>R. Walker</i>	APPROVED DATE: 11/11/2015
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1