

# FUTEK MODEL QLA394

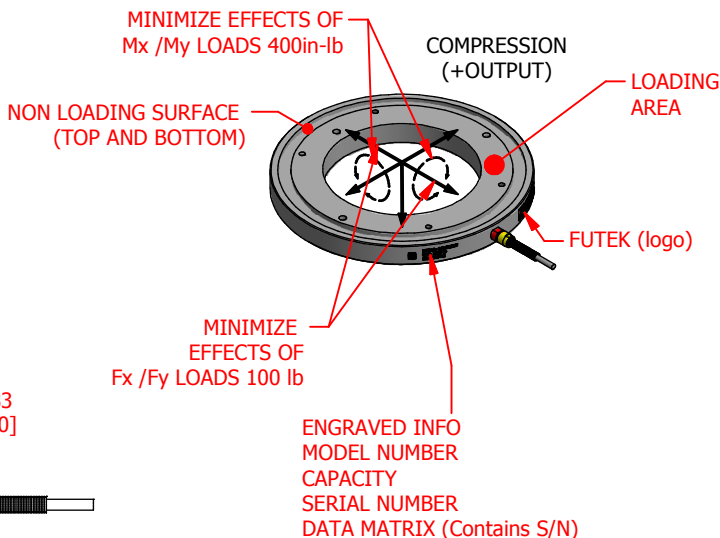
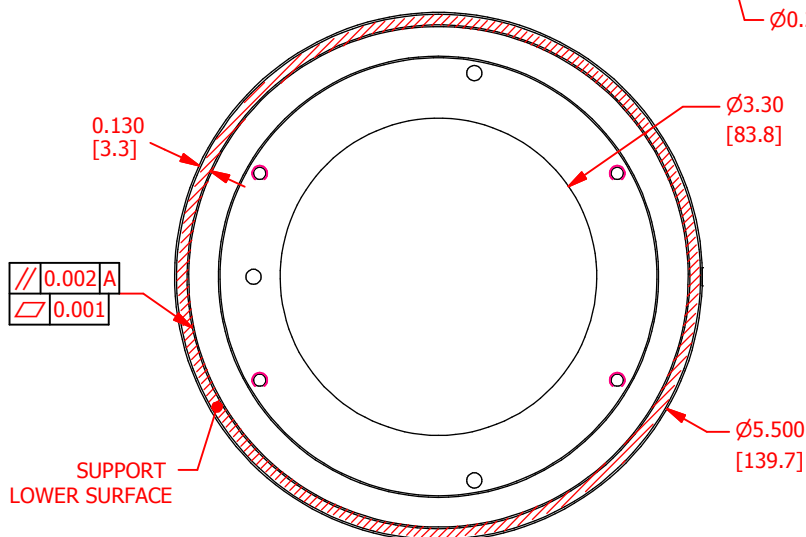
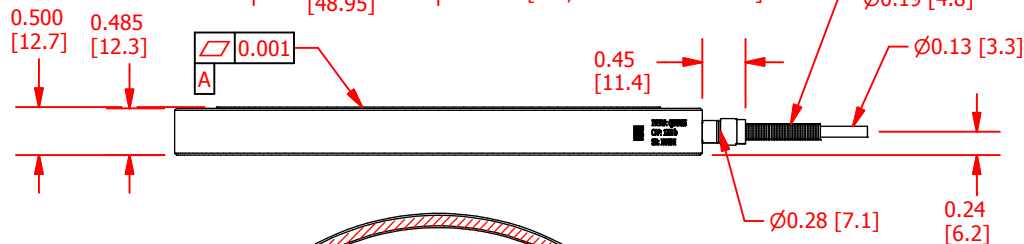
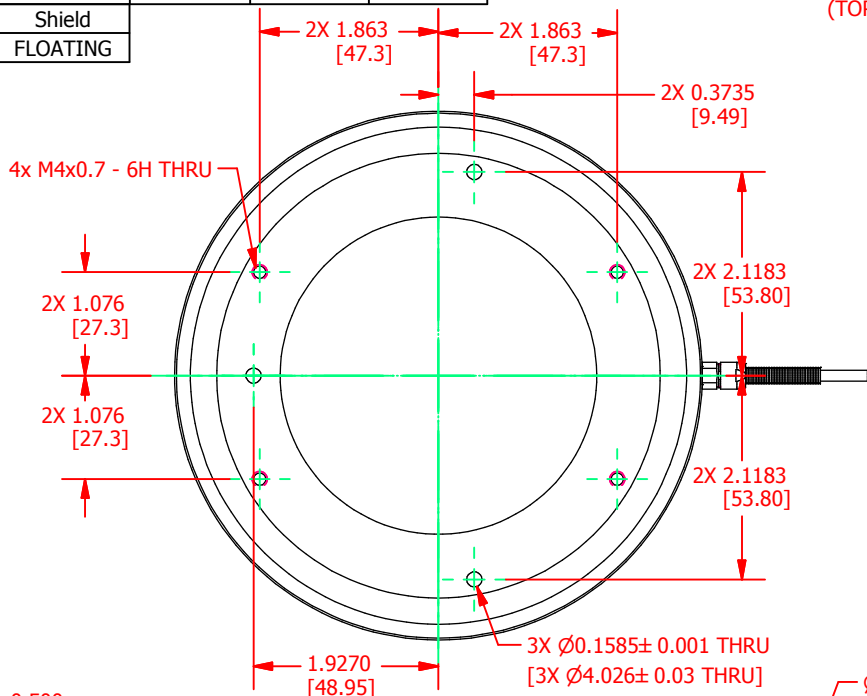
## Custom Thru Hole Load Cell

ITEM NUMBER: QSH01836

DESIGNED TO MINIMIZE THE EFFECTS OF SHEAR (Fx and Fy) AND MOMENT (Mx and My) LOADS

INCH [mm] | R.O. = Rated Output

WIRING CODE (WC1)			
+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			



### SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	1200 lb. [5328N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	15 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.	50 to 100 °F (10 to 38 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.75 lb [340.1 g]
MATERIAL	17-4 PH S.S.
DEFLECTION	0.003 [0.013] nom.
CABLE: #26 Awg 4 Conductor Braided Shielded Teflon Cable, 10 ft [3.0 m] Long	
MAX Fx/Fy RESISTANCE	100 lb
MAX Mx/My RESISTANCE	400 in-lb

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CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

## OUTLINE DRAWING

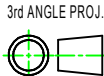
STANDARD NOTES: (Unless Otherwise Specified)

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"



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**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

MODEL: **QLA394** DWG No.: **FO1414**

DRAWN BY: **E. Pano** CREATED DATE: **12/9/2015**

APPROVED BY: **R. Walker** APPROVED DATE: **12/23/2015**

CHECKED BY: CAGE: 1X8M6 SHEET: 1 OF 1