

# FUTEK MODEL QLA404

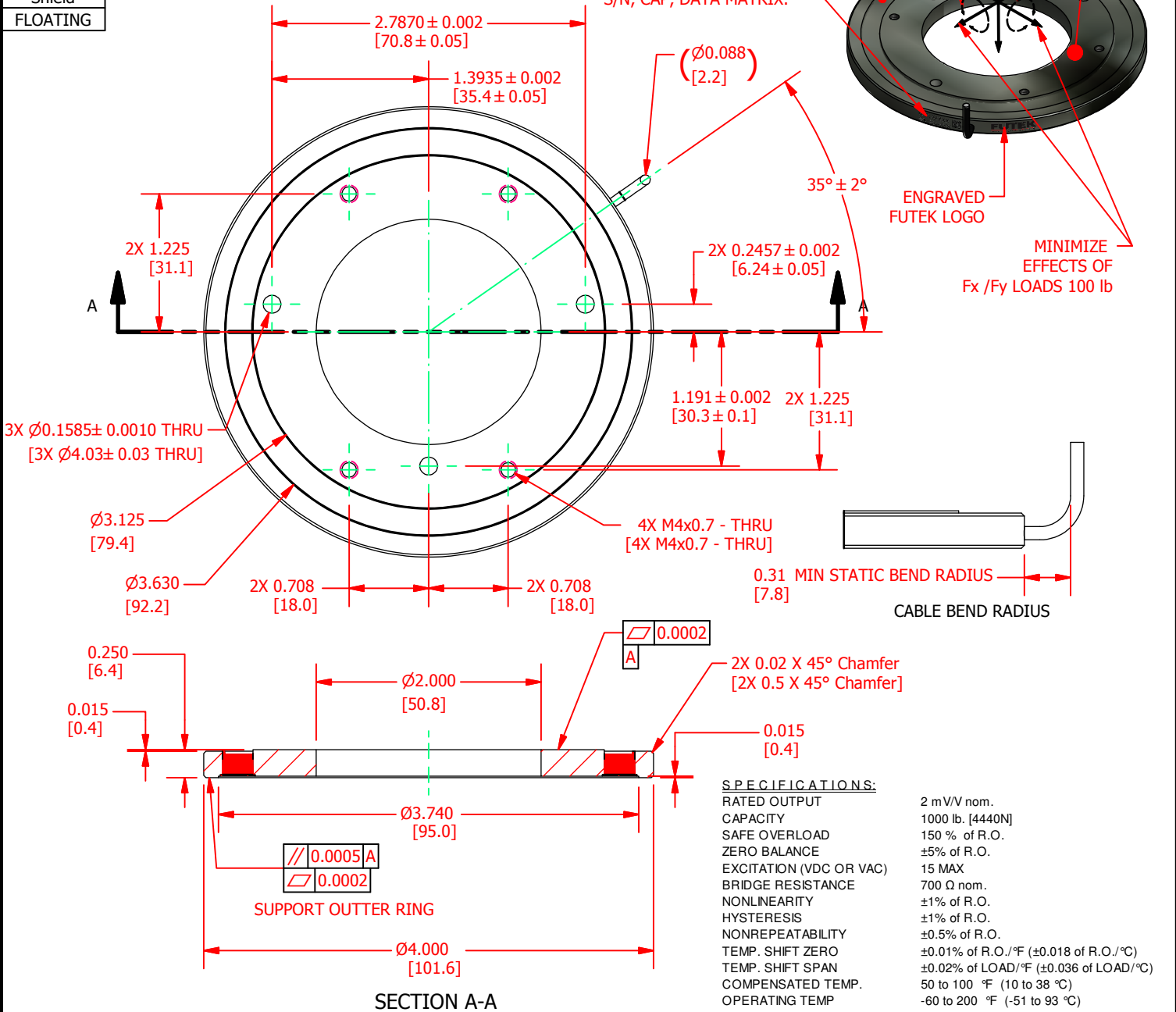
## Custom Thru Hole Load Cell

ITEM NUMBER: QSH01896

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	1000 lb. [4440N]
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: #29 Awg 4 Conductor Spiral Shielded Silicone Cable, 10 ft [3.0 m] Long	
MAX Fx/Fy RESISTANCE	100 lb
MAX Mx/My RESISTANCE	400 in-lb

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"

3rd ANGLE PROJ.

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MODEL: <b>QLA404</b>	DWG No.: <b>FO1441</b>
DRAWN BY: M. Lisiak	CREATED DATE: 2/27/2017
APPROVED BY: R. Walker	APPROVED DATE: 2/28/2017
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1