

FUTEK MODEL QLA238 CUSTOM DONUT LOAD CELL

STOCK NUMBER: QSH00578 (Roller)

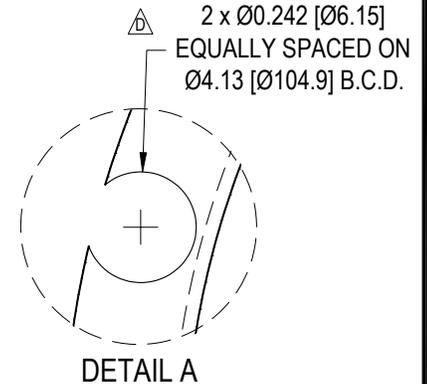
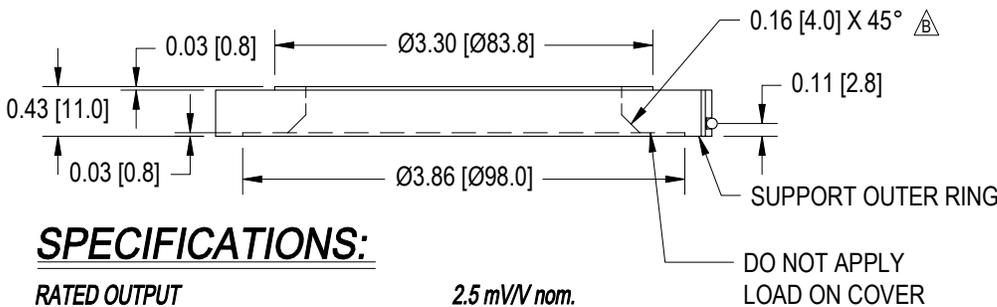
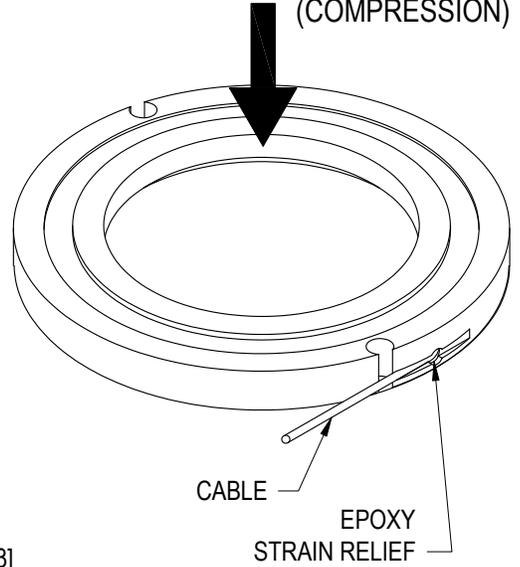
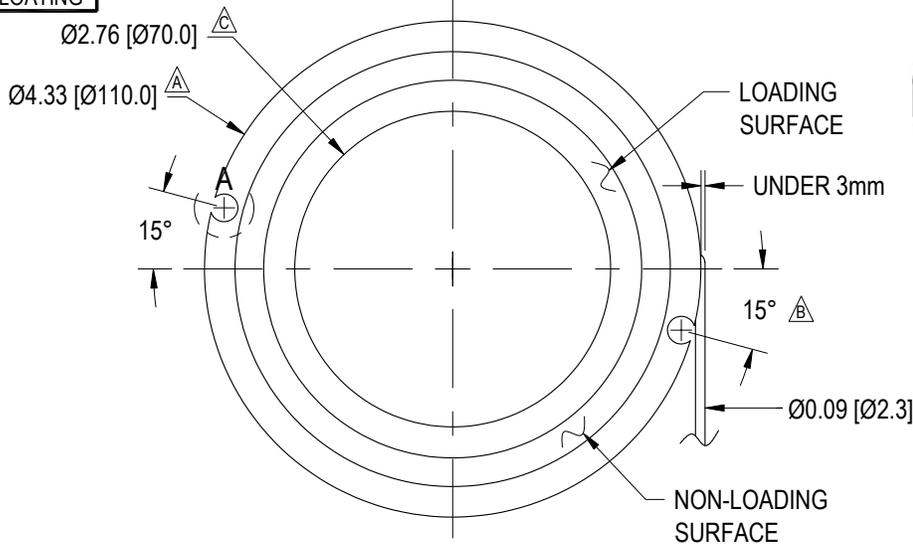
INCH (mm) | R.O.= Rated Output

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE

Shield
FLOATING

+ OUTPUT
(COMPRESSION)



SPECIFICATIONS:

RATED OUTPUT	2.5 mV/V nom.
△ CAPACITY	40000 lbs
△ SAFE OVERLOAD	NONE
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	350Ω nom
NONLINEARITY	±2% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F
TEMP. SHIFT SPAN	±0.02% of LOAD/°F
COMPENSATED TEMP.	60 to 160°F
OPERATING TEMP.	0 to 200°F
△ WEIGHT	0.9 lb
MATERIAL	STAINLESS STEEL
△ CABLE: #29 Awg 4 Conductor Spiral Shielded Silicone Cable, 10 ft Long	

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.

MATERIAL:	—
HEAT TREATMENT - FINISH:	—
REVISIONS: (Refer to dwg # revision sheet)	
△ 05-10-05	
△ 05-13-05	
△ 05-19-05	
△ 05-26-05	

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: .XX ±.01
.XXX ±.005

3rd ANGLE PROJ.

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FUTEK

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CAGE: 1X8M6	MODEL: QLA238	DWG No.: FO1092
DRAWN BY: H. AU	CHECKED BY: J. VARGAS	DATE: APR. 7, 2005
APPROVED BY: R. WALKER		