

# FUTEK MODEL QMA130

## Custom 2 Axis Shear Pin Load Cell

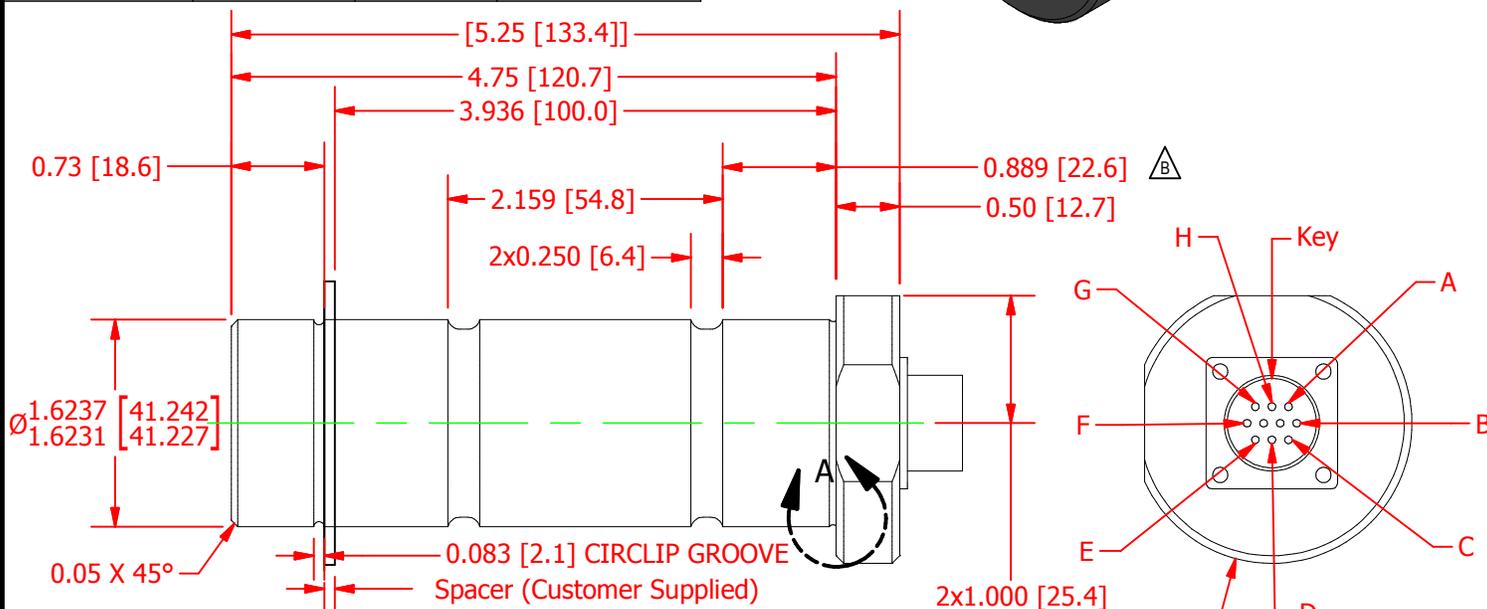
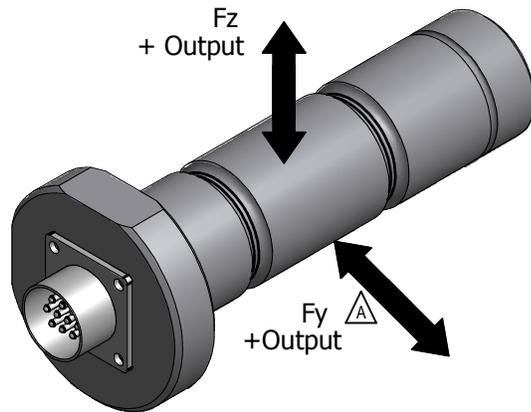
ITEM NUMBER: QSH01579

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

WIRING CODE (Channel Fz)			
+Excitation	-Excitation	+Signal	-Signal
PIN A	PIN B	PIN C	PIN D

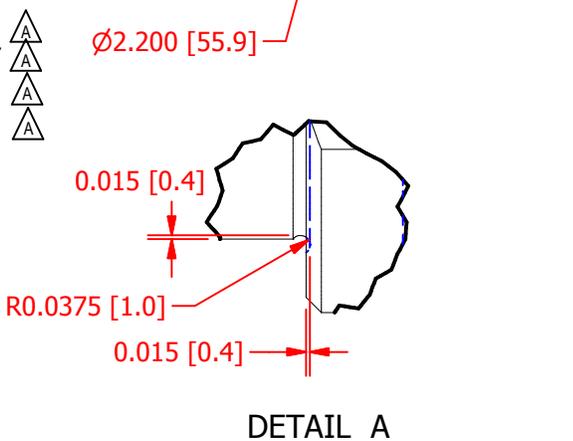
  

WIRING CODE (Channel Fy) <sup>△</sup>			
+Excitation	-Excitation	+Signal	-Signal
PIN E	PIN F	PIN G	PIN H



### SPECIFICATIONS:

RATED OUTPUT	3.0 mV/V nom. (Fy); 1.0 mV/V nom. (Fz)
CAPACITY	81 klb [360.3 kN] Fy; 32 klb [142.3 kN] Fz
SAFE OVERLOAD	Fy: 110% of R.O. ; Fz: 110% of R.O.
ULTIMATE OVERLOAD	Fy: 180% of R.O. ; Fz: 180% of R.O.
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	350 Ω nom
NONLINEARITY	±2% of R.O.
HYSTERESIS	±2% of R.O.
NONREPEATABILITY	±0.5% of R.O.
CROSS TALK	4% of R.O. <sup>△</sup>
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	60 to 200 °F (16 to 93 °C)
WEIGHT (approx)	3.35 lb
MATERIAL	Steel; Nickel Plated
CONNECTOR: PC02E-12-10P	



CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	02/14/2012
B	02/16/2012

## 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.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:



MODEL: **QMA130**  
 DRAWN BY: A.Mehran  
 APPROVED BY: G.L.B.  
 CHECKED BY:

DWG No.: **FO1310-B**  
 CREATED DATE: 2/8/2012  
 APPROVED DATE: 2/11/2012  
 CAGE: 1X8M6 SHEET: 1 OF 1