

FUTEK MODEL QMA136

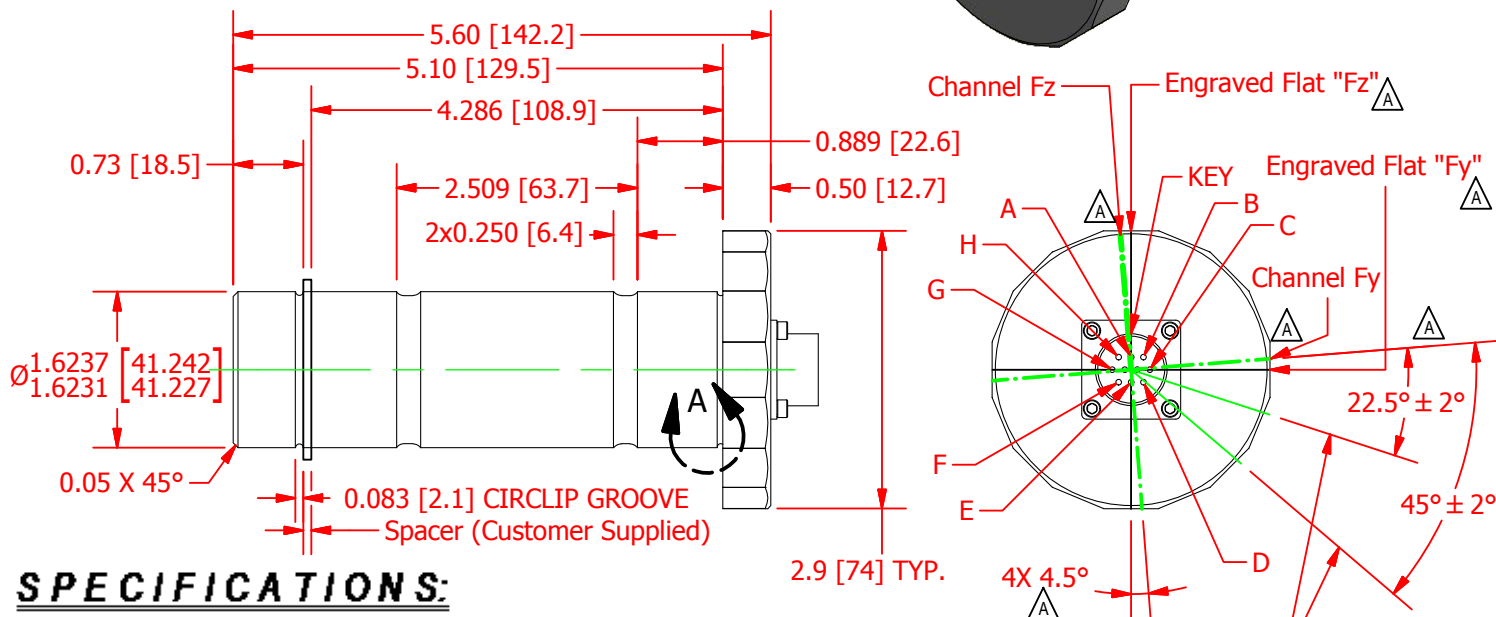
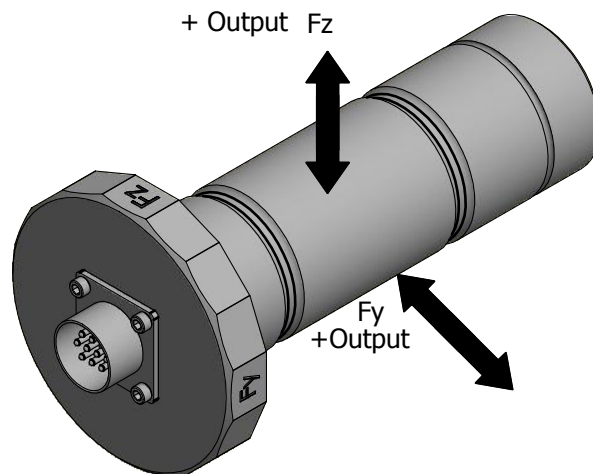
Custom 2 Axis Shear Pin Load Cell

ITEM NUMBER: QSH01666

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) | | | |
|--------------------------|-------------|---------|---------|
| +Excitation | -Excitation | +Signal | -Signal |
| PIN E | PIN F | PIN G | PIN H |



SPECIFICATIONS:

| | |
|--------------------------------|---|
| RATED OUTPUT | 4 mV/V nom. Fy; 3.5 mV/V nom. Fz |
| CAPACITY | 71 kdb [15.8 kN] Fy; 63 kdb [280.2 kN] Fz |
| ULTIMATE OVERLOAD | Fy: 150% of R.O.; Fz: 150% 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. |
| 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) | 3.5 lb |
| MATERIAL | Steel; Nickel Plated |
| CONNECTOR: PC02E-12-10P | |

OUTLINE DRAWING

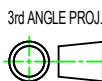
STANDARD NOTES: (Unless Otherwise Specified)

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.
10 THOMAS, IRVINE, CA 92618 USA
Phone: (949) 465-0900
Fax: (949) 465-0905

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|-------------------------------|---------------------------|
| MODEL: QMA136 | DWG No.: FO1346-A |
| DRAWN BY: KL B | CREATED DATE: 4/9/2013 |
| APPROVED BY: A. Mehran | APPROVED DATE: 4/11/2013 |
| CHECKED BY: | CAGE: 1X8M6 SHEET: 1 OF 1 |