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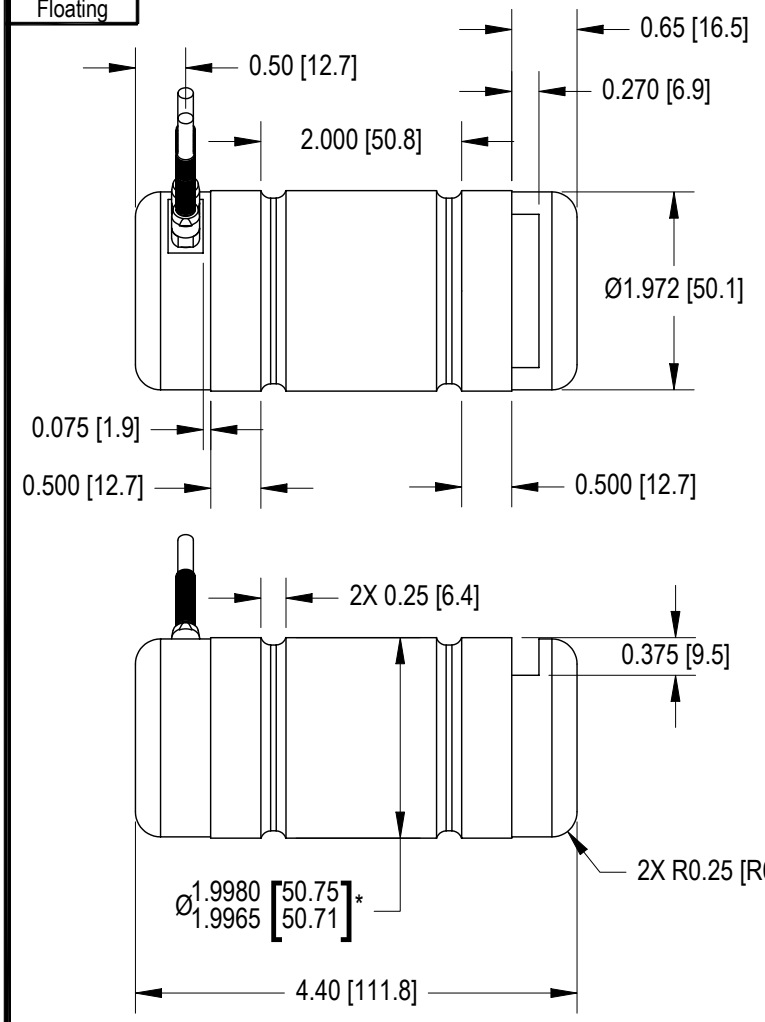
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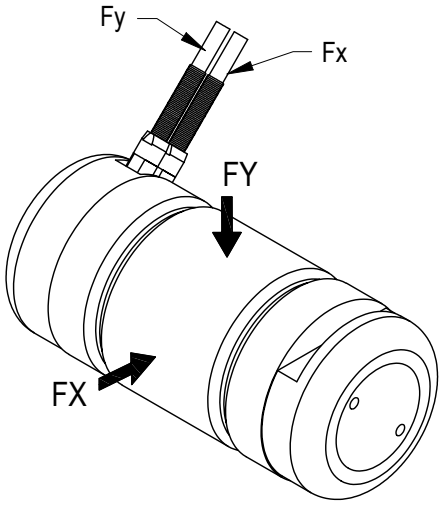
# FUTEK MODEL QMA116

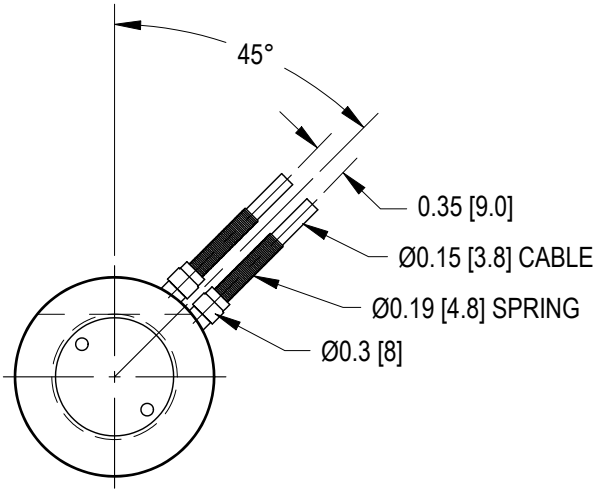
## Custom 2 Axis Shear Pin

STOCK NUMBER: QSH01122

| INCH (mm) | R.O.= Rated Output | | |
|---|---|---|---|
| WIRING CODE (WC1) | | | |
| +Excitation | -Excitation | +Signal | -Signal |
| RED | BLACK | GREEN | WHITE |
| Shield | | | |
| Floating | | | |




*LOAD BEARING SECTIONS ONLY

## *SPECIFICATIONS:*

| | |
|---|---|
| *RATED OUTPUT* | *2 mV/V nom.* |
| *CAPACITY Fx, Fy* | *56000 lb [249 KN]* |
| *SAFE OVERLOAD* | *150% of R.O.* |
| *ZERO BALANCE* | *±1% 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* | *±0.25% of R.O.* |
| *CROSS TALK* | *±5% OF R.O.* |
| *TEMP. SHIFT ZERO* | *±0.01% of R.O./°F (0.018% of R.O./°C)* |
| *TEMP. SHIFT SPAN* | *±0.01% of LOAD/°F (0.018% of LOAD/°C)* |
| *COMPENSATED TEMP.* | *60 to 160°F (15 to 71°C)* |
| *OPERATING TEMP.* | *-40 to 200°F (-40 to 93°C)* |
| *WEIGHT* | *approx 3 lb* |
| *MATERIAL* | *17-4ph S.S.* |

*CABLE: 2x 24 AWG, 4 Conductor Braided Shielded PVC Cable 10 ft [3m] Long*

MATERIAL: —

HEAT TREATMENT - FINISH: —

REVISIONS: (Refer to dwg # revision sheet)
A 5-27-08

# 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

3rd ANGLE PROJ.

ANGLE: ±1/2°

CHAMFER: ±5°

TOLERANCE: .X ±0.1 .XX ±0.01 .XXX ±0.005

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CAGE: 1X8M6

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| | |
|---|---|
| MODEL: QMA116 | DWG No.: FO1214-A |
| DRAWN BY: R. WALKER | CHECKED BY: J. VARGAS |
| APPROVED BY: - | DATE: May 24, 2008 |