

FUTEK MODEL QLA446

ITEM NUMBER: QSH02406

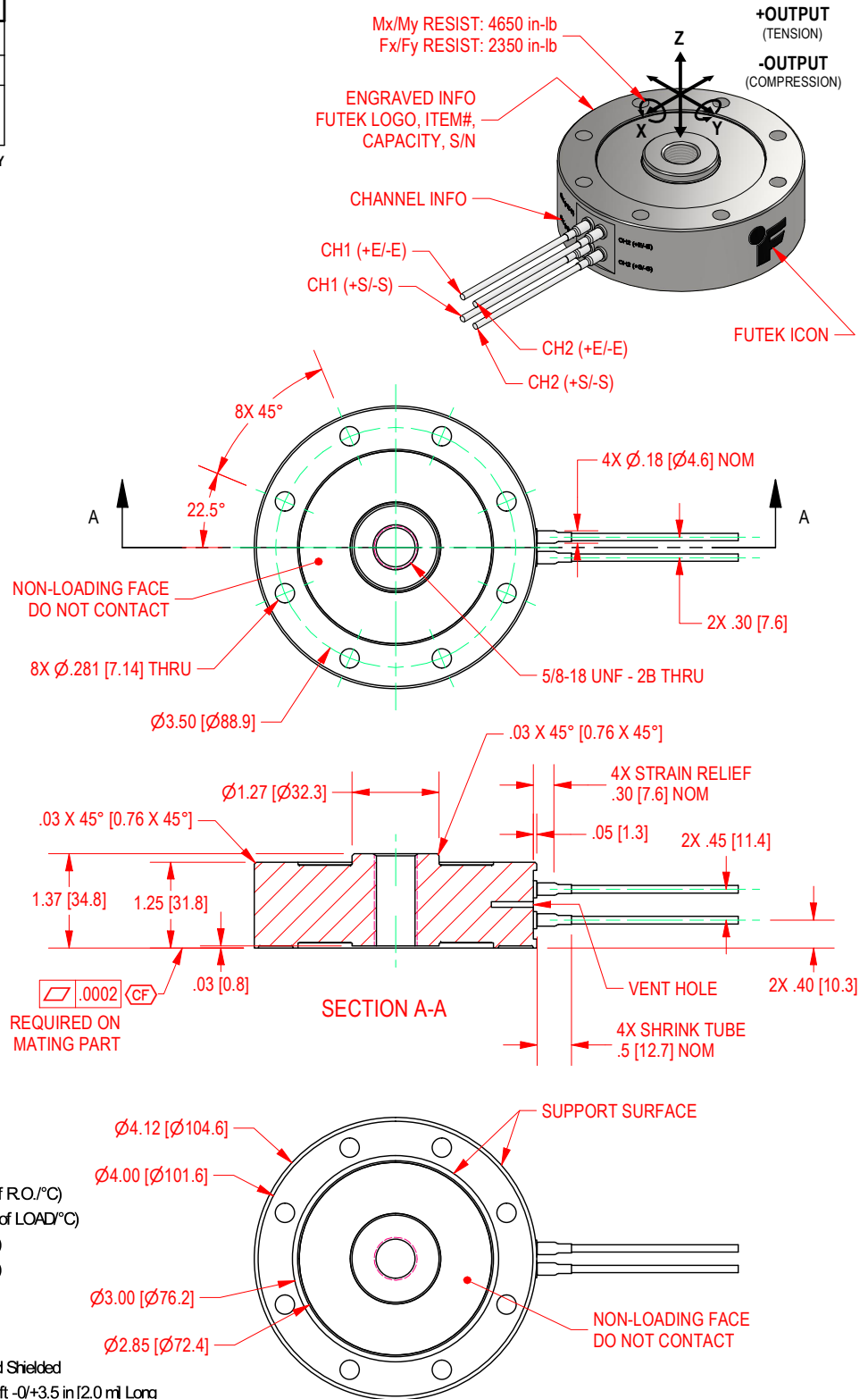
Custom Space Rated Pancake Load Cell,
Redundant Channels, Flight Hardware

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

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
WHITE	WHITE/BLUE STRIPE	WHITE/BLUE STRIPE	WHITE

*SHIELD CONNECTED TO SENSOR BODY



SPECIFICATIONS:

RATED OUTPUT	0.65 mV/V nom
CAPACITY	2000 lb [8896 N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	15 MAX
CALIBRATION EXCITATION	10 VDC
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	±0.25% of R.O.
HYSTERESIS	±0.25% of R.O.
NONREPEATABILITY	±0.1% of R.O.
TEMP. SHIFT ZERO	±0.025% of R.O./°F ($\pm 0.045\%$ of R.O./°C)
TEMP. SHIFT SPAN	±0.025% of LOAD/°F ($\pm 0.045\%$ of LOAD/°C)
COMPENSATED TEMP.	-166 to 239 °F (-110 to 115 °C)
OPERATING TEMP	-166 to 239 °F (-110 to 115 °C)
WEIGHT (approx)	3 lb [1361 g]
MATERIAL	15-5 PH Stainless Steel
DEFLECTION	0.0003 [0.01 mm] nom
CABLE	4x #26 Awg 2 Conductor Braided Shielded M27500-26SC2S14 Cables, 6.6 ft -0/+3.5 in [2.0 m] Long
OUTGASSING	<1% TML, <0.1% CVCM

CUSTOMER APPROVAL - COMPANY:

CUSTOMER APPROVAL - NAME / DATE:

REVISION HISTORY:

OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:

- ALL DIMS ARE IN INCHES [mm]
- DIMS IN [] ARE FOR REFERENCE ONLY
- R.O. = RATED OUTPUT
- INTERPRET DIMS PER ASME Y14.5-2018
- THREADS TO BE MADE PER ASME B1.1-2003 AND B1.13M-2005
- TAPERED THREADS PER ASME B1.20.1-2013

TOLERANCES:

XX $\pm$.01
XXX $\pm$.005
XXXX $\pm$.0010

ANGLES:

$\pm$ 0.5°
CHAMFER:
 $\pm$ 5°

SURFACE:

63
OR BETTER

3rd ANGLE PROJ:

3rd ANGLE PROJ



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MODEL: QLA446	DWG No: FO1694	REV: 0
DRAWN BY: S.MICHEL	CREATED: 7/22/2025	APPROVALS: SEE PLM
CHECKED BY:	CAGE: 1X8M6	SHEET: 1 OF 1