

FUTEK MODEL QLA444

ITEM NUMBER: QSH02394

CUSTOM THRU HOLE/DONUT
LOAD CELL, 1.50" ID, 3.25" OD

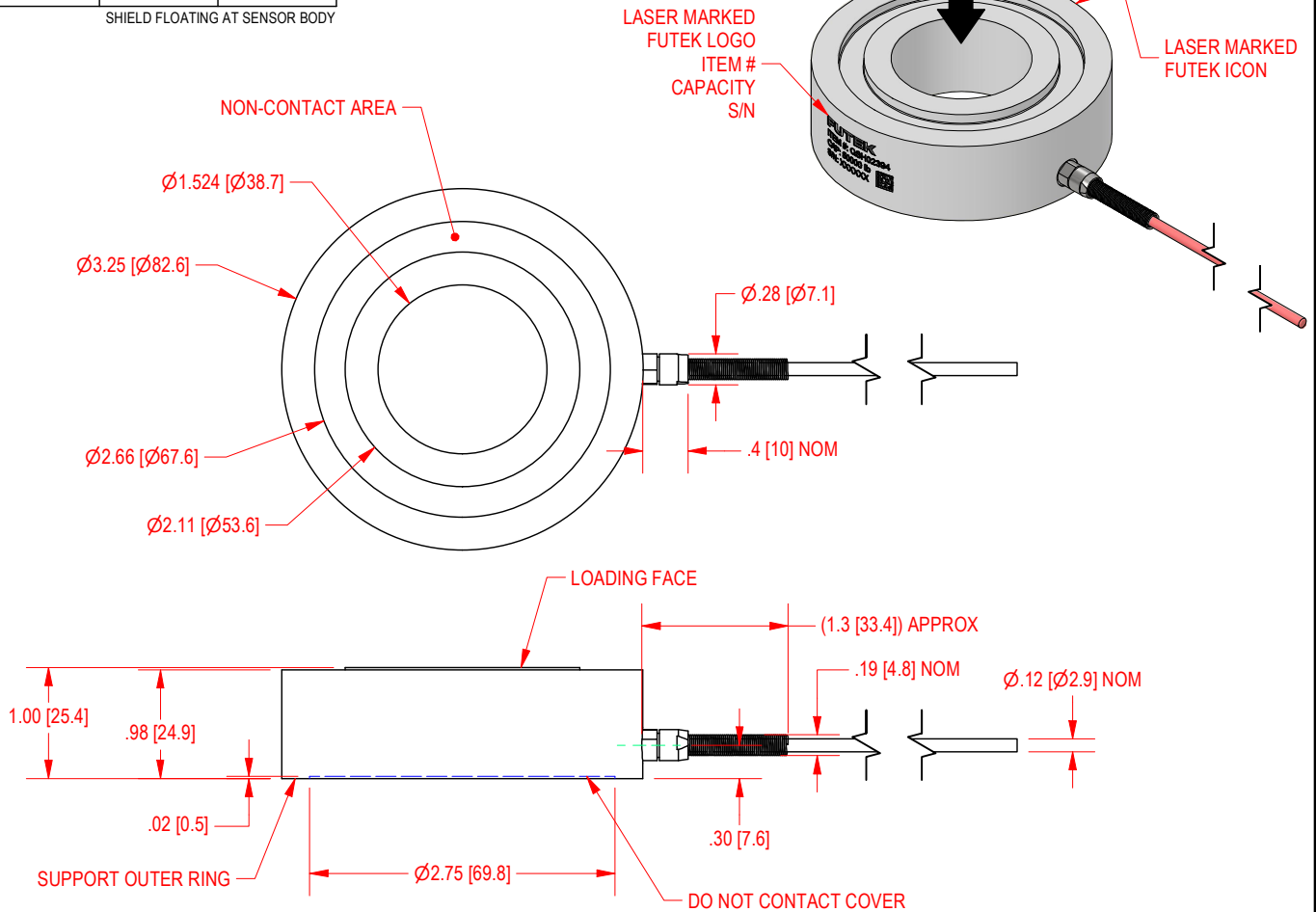
RoHS

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

WIRING CODE: WC1

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

SHIELD FLOATING AT SENSOR BODY



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	50000 lb [222 kN]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (±0.036 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 (-51 to 93 °C)
WEIGHT (approx)	1.45 lb [658 g]
MATERIAL	17-4 PH Stainless Steel
DEFLECTION	0.005 [0.13] nom.
CABLE: #26 Awg 4 Conductor Braided Shielded Cable, 10 ft [3 m] Long	
IP Rating	IP64
RoHS	2011/65/EU with 2015/863

CUSTOMER APPROVAL - COMPANY:

OUTLINE DRAWING

CUSTOMER APPROVAL - NAME / DATE:

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 ± .01
XXX ± .005
XXXX ± .0010

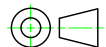
ANGLES:

± 0.5°
CHAMFER:
± 5°

SURFACE:

63
OR BETTER

3rd ANGLE PROJ:



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MODEL: QLA444	DWG No: FO1685	REV: 0
DRAWN BY: S.MICHEL	CREATED: 2/18/2025	APPROVALS: SEE PLM
CHECKED BY:	CAGE: 1X8M6	SHEET: 1 OF 1