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FUTEK MODEL QMA148

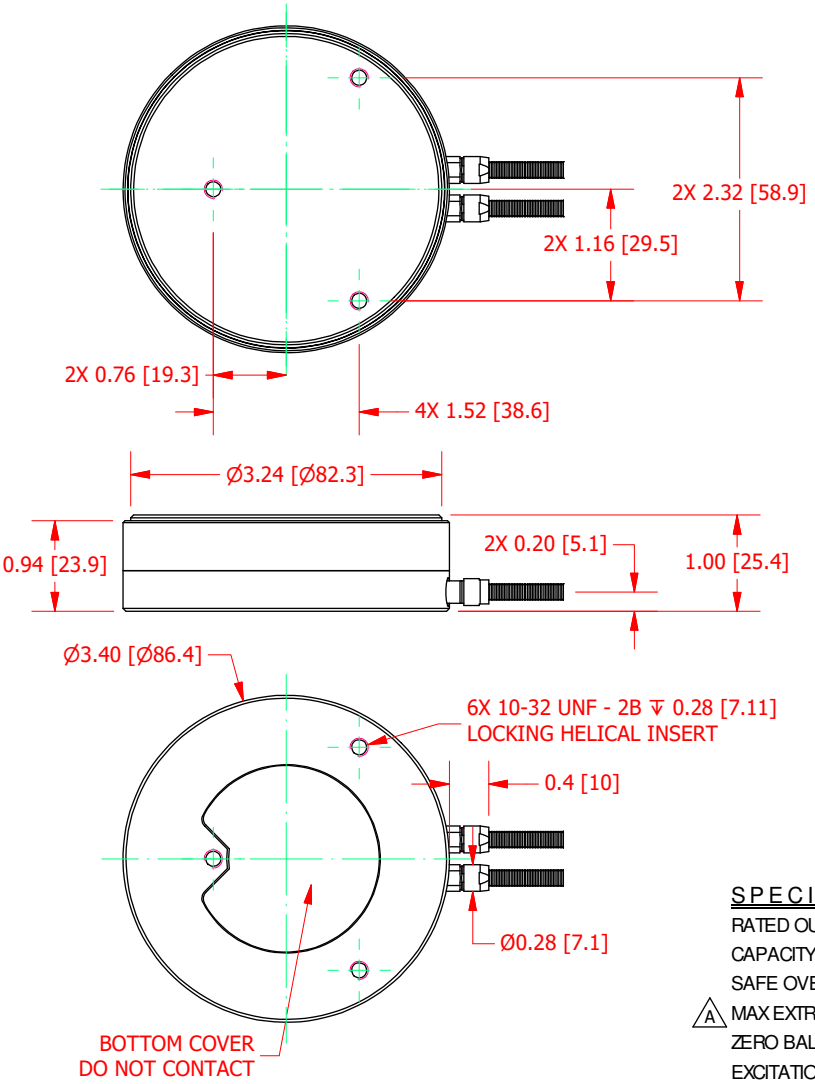
CUSTOM TORQUE AND THRUST SENSOR

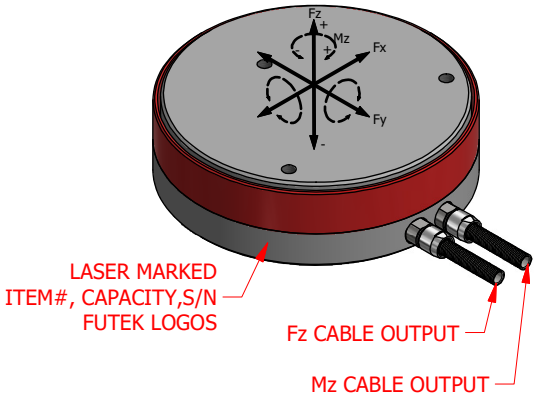
ITEM NUMBER: QSH02089

INCH [mm]	R.O.= Rated Output

WIRING CODE

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





SPECIFICATIONS:

	RATED OUTPUT	Fz 1 mV/V, Mz 2 mV/V
	CAPACITY	Fz 200 lb, Mz 200 in-lb
	SAFE OVERLOAD	150 % of R.O.
A	MAX EXTRANEOUS SIMULTANEOUS LOADS	Fx/Fy 120 lb, Mx/My 120 in-lb
	ZERO BALANCE	±5% of R.O.
	EXCITATION (VDC OR VAC)	10 MAX
	BRIDGE RESISTANCE	350 Ω nom.
	NONLINEARITY	±0.5% of R.O.
	HYSTERESIS	±0.5% of R.O.
	NONREPEATABILITY	±0.25% 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 (16 to 71 °C)
	OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
	MATERIAL	7075 Anodized Aluminum
A	CABLE: 2x #26 Awg 4 Conductor Braided Shielded Teflon Cable, 10 ft [3 m] Long	

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	9-20-19

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES

DRAWING INTERPRETATION DIMS. PER ASME-Y14.5

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.

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MODEL: QMA148	DWG No.: FO1507-A
DRAWN BY: R. WALKER	CREATED DATE: 8/30/2019
APPROVED BY: S. MICHEL	APPROVED DATE: 9/4/2019
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1