

# FUTEK MODEL LLB300 CUSTOM SUBMINIATURE LOAD BUTTON

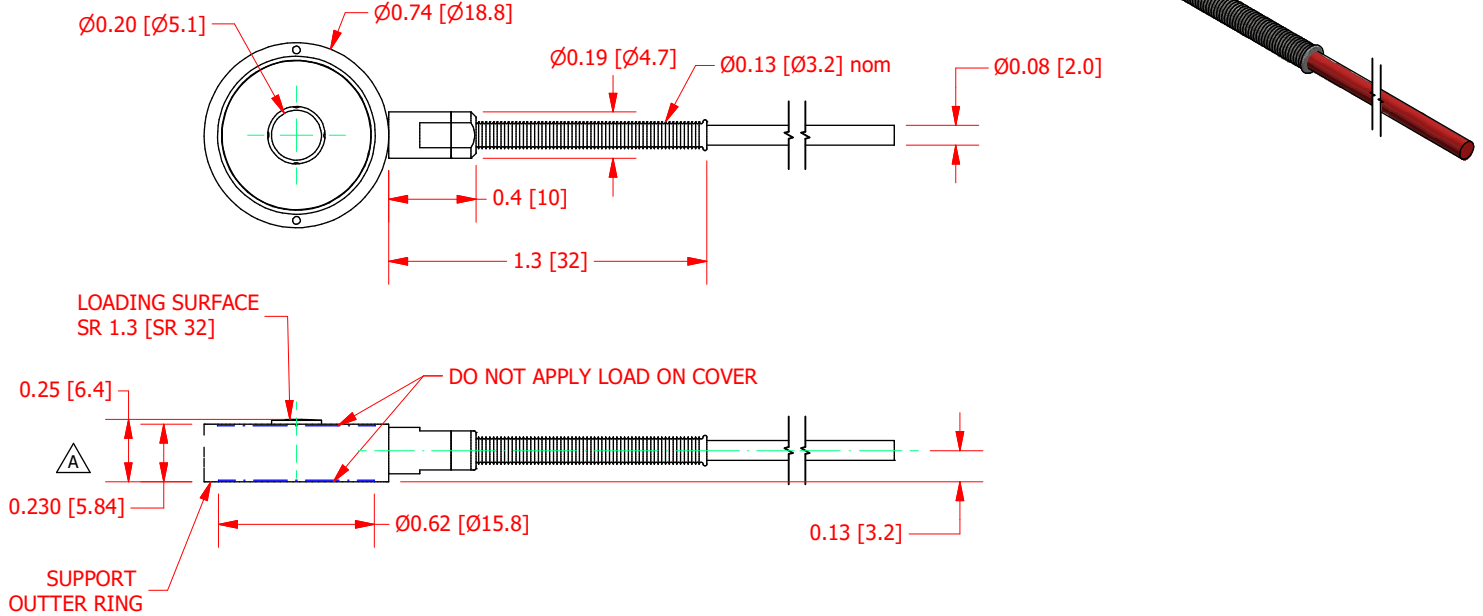
## COLD & VACUUM RATED

ITEM NUMBER: QSH02165

| INCH [mm]    |              | R.O.= Rated Output |         |
|--------------|--------------|--------------------|---------|
| WIRING CODE  |              |                    |         |
| + Excitation | - Excitation | +Signal            | -Signal |
| RED          | BLACK        | GREEN              | WHITE   |
| Shield       |              |                    |         |
| FLOATING     |              |                    |         |

LASER MARKED ITEM #,  
CAPACITY, S/N, DATA MATRIX

COMPRESSION  
(+OUTPUT)



### SPECIFICATIONS:

|                                                                           |                                       |
|---------------------------------------------------------------------------|---------------------------------------|
| RATED OUTPUT                                                              | 2 mV/V nom.                           |
| CAPACITY                                                                  | 1000 lb. [4440N]                      |
| SAFE OVERLOAD                                                             | 150 % of R.O.                         |
| ZERO BALANCE                                                              | ±3% of R.O.                           |
| EXCITATION (VDC OR VAC)                                                   | 18 MAX                                |
| BRIDGE RESISTANCE                                                         | 700 $\Omega$ nom.                     |
| NONLINEARITY                                                              | ±0.5% of R.O.                         |
| HYSTERESIS                                                                | ±0.5% of R.O.                         |
| NONREPEATABILITY                                                          | ±0.1% 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.                                                         | -49 to 122 °F (-45 to 50 °C)          |
| OPERATING TEMP                                                            | -67 to 167 °F (-55 to 75 °C)          |
| WEIGHT (approx)                                                           | 0.08 lb [34 g]                        |
| MATERIAL                                                                  | 15-5 PH.S.S.                          |
| DEFLECTION                                                                | 0.001 [0.025] nom.                    |
| CABLE: #29 AWG 4 Conductor Spiral Shielded Teflon Cable, 10 ft [3 m] Long |                                       |

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

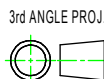
REVISIONS: (Refer to dwg # revision sheet)

A 9/2/2020

## 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"

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MODEL: **LLB300**

DWG No.: **F01543-A**

DRAWN BY: M. Lisiak

CREATED DATE: 8/19/2020

APPROVED BY: S. Vosough

APPROVED DATE: 8/19/2020

CHECKED BY:

CAGE: 1X8M6 SHEET: 1 OF 1