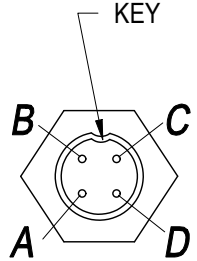
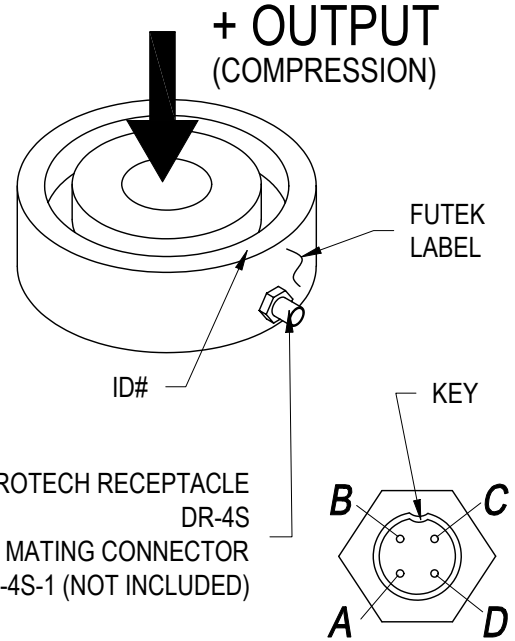
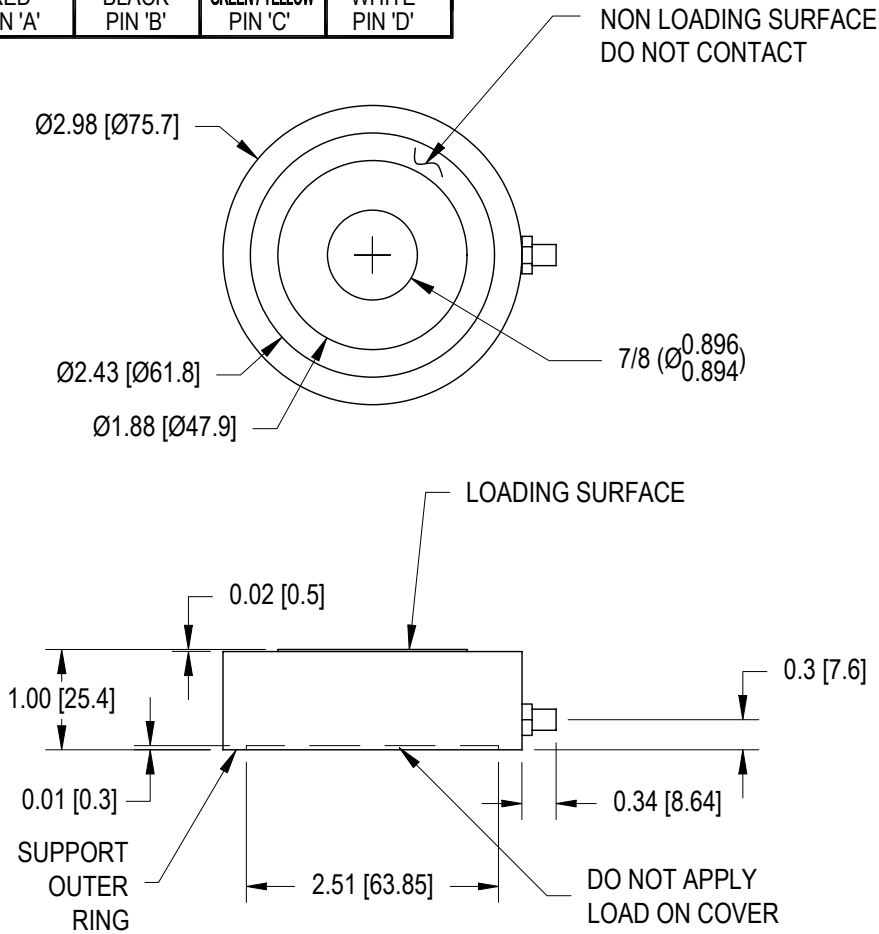


FUTEK MODEL LTH500

DONUT/THRU HOLE LOAD CELL

STOCK NUMBER: QSH00949

| | | | |
|-------------------|------------------|-------------------------|------------------|
| INCH (mm) | | R.O.= Rated Output | |
| WIRING CODE (CC6) | | | |
| +Excitation | -Excitation | +Signal | -Signal |
| RED PIN 'A' | BLACK PIN 'B' | GREEN/YELLOW PIN 'C' | WHITE PIN 'D' |



SPECIFICATIONS:

| | |
|----------------------------------|--------------------|
| RATED OUTPUT | 2 mV/V nom. |
| CAPACITY | 5000 lbs |
| SAFE OVERLOAD | 150% of R.O. |
| ZERO BALANCE | ±1% of R.O. |
| EXCITATION (VDC OR VAC) | 18 MAX |
| BRIDGE RESISTANCE | 700 Ω nom |
| NONLINEARITY | ±0.5% of R.O. |
| HYSTERESIS | ±0.5% of R.O. |
| NONREPEATABILITY | ±0.5% of R.O. |
| TEMP. SHIFT ZERO | ±0.005% of R.O./°F |
| TEMP. SHIFT SPAN | ±0.005% of LOAD/°F |
| COMPENSATED TEMP. | 60 to 160°F |
| OPERATING TEMP. | -60 to 200°F |
| MATERIAL | 17-4PH S.S. |
| CONNECTOR: 4 PIN MICROTECH DR-4S | |



SCIGATE AUTOMATION (S) PTE LTD
 No.1 Bukit Batok Street 22 #01-01 Singapore 659592
 Tel: (65) 6561 0488 Fax: (65) 6562 0588
 Email: sales@scigate.com.sg Web: www.scigate.com.sg
 Business Hours: Monday - Friday 8.30am - 6.15pm

NOTE:

WHILE TORQUING BOLTS, HIGH TENSION FORCES WILL OCCUR DURING INSTALLATION, WHICH COULD RESULT IN OVERLOADING THE SENSOR. FUTEK RECOMMENDS CONNECTING SENSOR TO A SYSTEM IN ORDER TO MONITOR THE APPLIED FORCES. FUTEK IS NOT LIABLE OR RESPONSIBLE FOR THE MISHANDLING OF THE SENSOR DURING INSTALLATION.

MATERIAL:

—

HEAT TREATMENT - FINISH:

—

REVISIONS: (Refer to dwg # revision sheet)

△ -

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

ANGLE:
±1/2°

CHAMFER:
±5°

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

3rd ANGLE PROJ.



This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:

FUTEK
 ADVANCED SENSOR TECHNOLOGY, INC.
 10 THOMAS
 IRVINE, CA 92618 USA
 Phone: (949) 465-0900
 Fax: (949) 465-0905

CAGE: 1X8M6

MODEL: **LTH500**

DWG No.: **FO1181**

DRAWN BY: **R. WALKER**

CHECKED BY: -

APPROVED BY: **J. VARGAS**

DATE: **June 21, 2007**