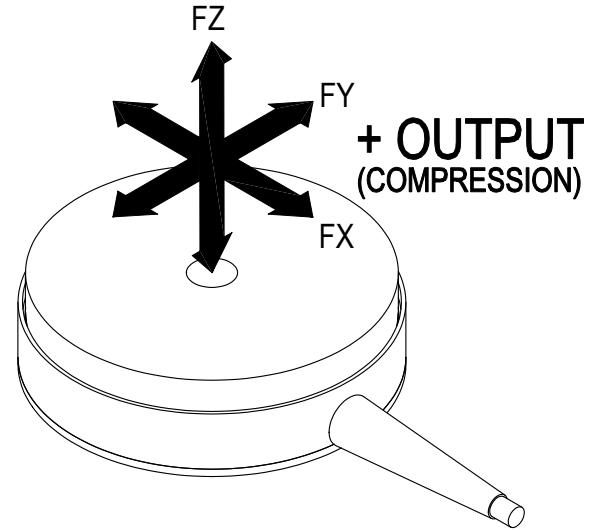
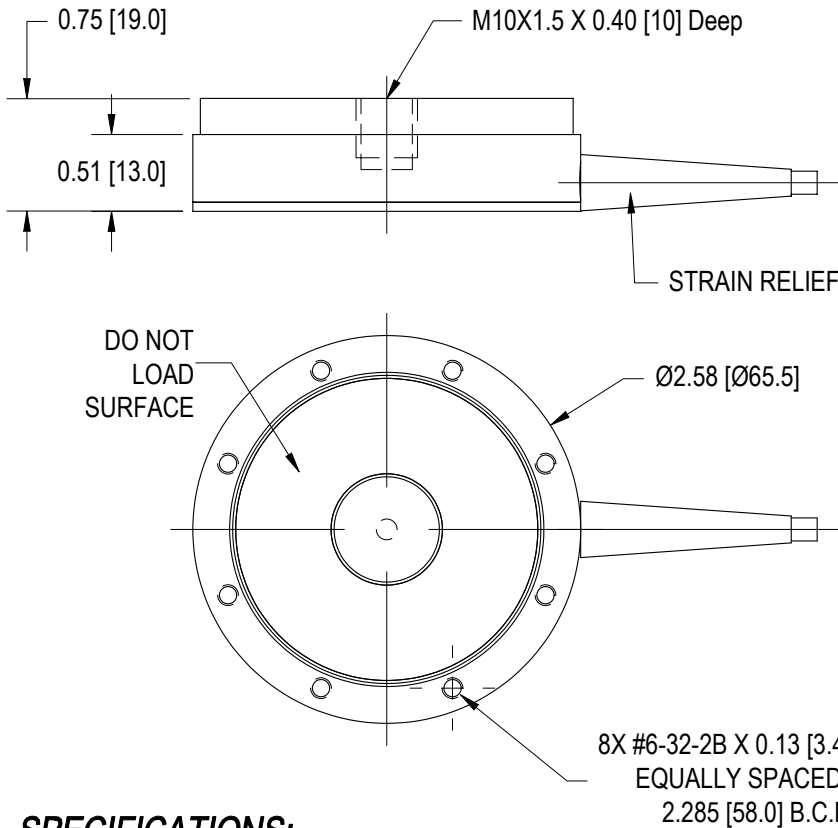


# FUTEK MODEL L1055-Q11072 SPIKE RESISTANT PEDAL FORCE SENSOR

INCH (mm)		R.O.= Rated Output	
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE



## SPECIFICATIONS:

<b>RATED OUTPUT</b>	2-3 mV/V <i>nom.</i>
<b>CAPACITY</b>	1,000 lb [4448 Newton]
<b>SAFE OVERLOAD</b>	150% of R.O.
<b>ZERO BALANCE</b>	±3% of R.O.
<b>EXCITATION (VDC OR VAC)</b>	20 MAX
<b>BRIDGE RESISTANCE</b>	700 Ω <i>nom.</i>
<b>NONLINEARITY</b>	±0.35% of R.O.
<b>HYSTERESIS</b>	±0.35% of R.O.
<b>NONREPEATABILITY</b>	±0.2% of R.O.
<b>TEMP. SHIFT ZERO</b>	±0.01% of R.O./°F [0.018% of R.O./°C]
<b>TEMP. SHIFT SPAN</b>	±0.01% of LOAD/°F [0.018% of LOAD/°C]
<b>COMPENSATED TEMP.</b>	60 to 160°F [15 to 72°C]
<b>OPERATING TEMP.</b>	-60 to 200°F [-50 to 93°C]
<b>WEIGHT</b>	1 lb [500g MAX]
<b>MATERIAL</b>	17-4PH S.S.
<b>DEFLECTION @ CAP.</b>	0.006 [0.15] <i>nom.</i>
<b>CABLE: #24 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3 m]</b>	
<b>CALIBRATION (STD)</b>	5 pt. COMPRESSION; 100K Ω SHUNT CAL VALUE
<b>CALIBRATION TEST EXCITATION</b>	10 VDC

## NOTES:

MAX AXIAL FORCE BUILD-UP DURING TEST:  
 X-Z Field (By pedal rotation, during compression): 40° Max.  
 X-Y Field (By possible misalignment of force): 25° Max.

### MAX FORCE SPIKE BUILD-UP:

1000 Newtons in 0.02 sec.  
 2000 Newtons in 0.04 sec.  
 3000 Newtons in 0.06 sec.  
 4000 Newtons in 0.08 sec.

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

▲ XXX

## 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:

.XX ±.01

.XXX ±.005

3rd ANGLE PROJ.



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**CAGE: 1X8M6**

MODEL: **L1055-Q11072**

DWG No.: **F4344**

DRAWN BY: J. Vargas

CHECKED BY: XXXXX

APPROVED BY: R. Walker

DATE: **July 8, 2002**