

# FUTEK MODEL LCF500 (L2900)

# LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

**Drawing Number: FI1012**

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

WIRING CODE (CC1)

+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		

**+OUTPUT  
(TENSION)**

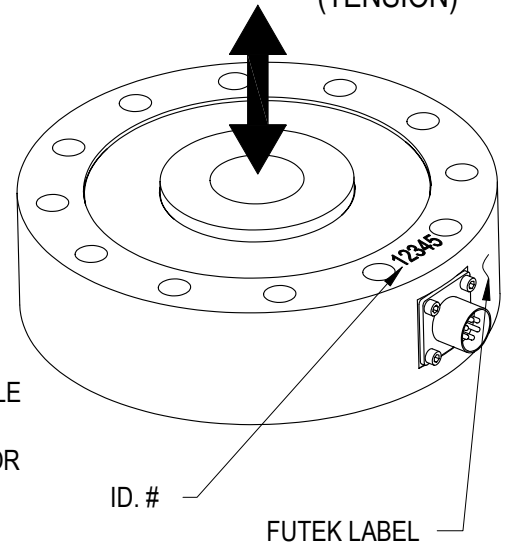
12 X Ø0.406 [Ø10.3] THRU EQUALLY SPACED ON 5.125 [130.2] B.C.D.

Ø2.42 [Ø61.4]      Ø5.98 [Ø151.9]

BENDIX RECEPTACLE  
PT02A-10-6P  
MATING CONNECTOR  
PT06A-10-6S-SR  
(NOT INCLUDED)

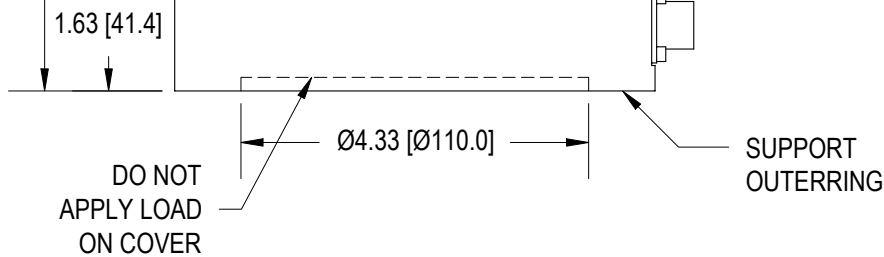
NON  
LOADING  
SURFACE  
DO NOT  
CONTACT

THREAD UNF-2B THRU



1.75 [44.4]      LOADING SURFACE

REFER TO LCF505 FOR TENSION BASE VERSION



Stock #	CAPACITY		THREAD
	lb	N	
FSH00149	20K	88960	1 1/4 -12
FSH01354			M33 X 2
FSH00150	30K	133400	1 1/4 -12
FSH01355			M33 X 2
FSH00151	50K	222400	1 1/4 -12
FSH00954			M33 X 2

### SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	20 MAX
BRIDGE RESISTANCE	350 Ω
NONLINEARITY	±0.1% of R.O.
HYSTERESIS	±0.2% of R.O. } HIGHER SPECIFICATIONS OF 0.05% AVAILABLE
NONREPEATABILITY	±0.02% of R.O. } CONTACT FACTORY
CREEP	±0.02% of LOAD
TEMP. SHIFT ZERO	±0.001% of R.O./°F [0.0018% of R.O./°C]
TEMP. SHIFT SPAN	±0.002% of LOAD/°F [0.0036% of LOAD/°C]
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
MATERIAL	17-4PH / ALLOY STEEL
WEIGHT	9lb [4.1kg]
DEFLECTION	0.002 to 0.005 [0.05 to 0.13] nom.
CONNECTOR:	6 Pin BENDIX Receptacle (PT02A-10-6P)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5pt. COMPRESSION; 60.4 KΩ SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC



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### OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

- BENDIX RECEPTACLE (PC04E-10-6P)
- BENDIX MATING CONNECTOR (PC06E-10-6S-SR)
- BENDIX RECEPTACLE (PT02H-10-6P)
- BENDIX MATING CONNECTOR (PT06A-10-6S-SR)