

# FUTEK MODEL LCF505

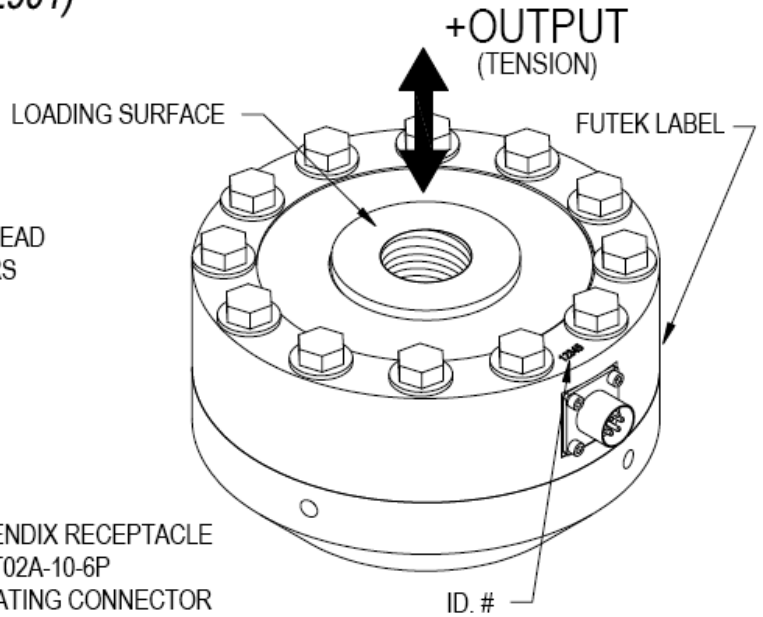
**Drawing Number: FI1098**

**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'		

## LOW PROFILE UNIVERSAL PANCAKE LOAD CELL (Previously L2901)



12 X Ø3/8-24 HEX HEAD BOLT AND WASHERS EQUALLY SPACED

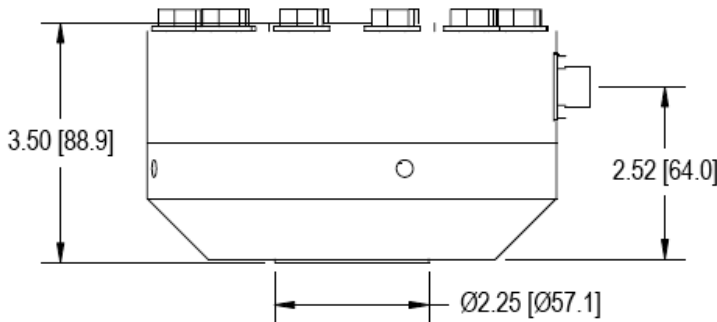
THREAD BOTH ENDS X 1.63 [14.4] DEEP MAX

NON LOADING SURFACE DO NOT CONTACT

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

Ø5.98 [Ø151.9]

Ø2.44 [Ø61.9]



STANDARD VERSION. REFER TO LCF450 FOR VERSION WITHOUT BASE PLATE

Stock #	CAPACITY		THREAD
	lb	N	
FSH00196	20k	89k	1 1/4-12
FSH02112			M33 X 2
FSH00206	30k	133k	1 1/4-12
FSH02113			M33 X 2
FSH00197	50k	222k	1 1/4-12
FSH01882			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. } HIGHER SPECIFICATIONS OF 0.05% AVAILABLE
HYSTERESIS	±0.2% of R.O. } CONTACT FACTORY
NONREPEATABILITY	±0.02% of R.O.
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]
DEFLECTION	0.002 to 0.005 [0.05 to 0.13] nom.
MATERIAL	17-4PH S.S.
WEIGHT	20 lb [9.1 kg]
CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)	
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5 pt. COMPRESSION; 60.4 KΩ SHUNT CAL. VALUE
CALIBRATION (AVAILABLE)	5pt TENSION
CALIBRATION TEST EXCITATION	10 VDC

### OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

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

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