FUTEK MODEL LCF450 (L2900)
LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

Drawing Number: FI1011

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

WIRING CODE (CC1)

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
PIN 'A'	PIN 'B'	PIN 'C'	PIN 'D'

+Sense	-Sense
ORANGE	BLUE
PIN 'E'	PIN 'F'

+OUTPUT
(TENSION)

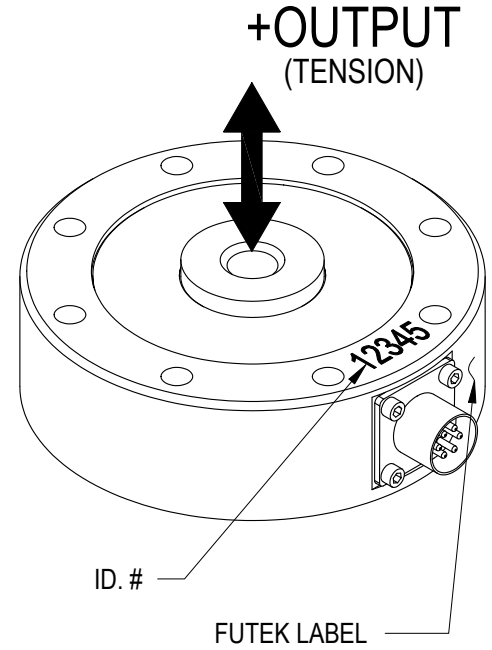8x Ø0.28 [Ø7.1] THRU EQUALLY SPACED ON 3.50 [88.9] B.C.D.

Ø4.12 [Ø104.6]

Ø1.27 [Ø32.3]

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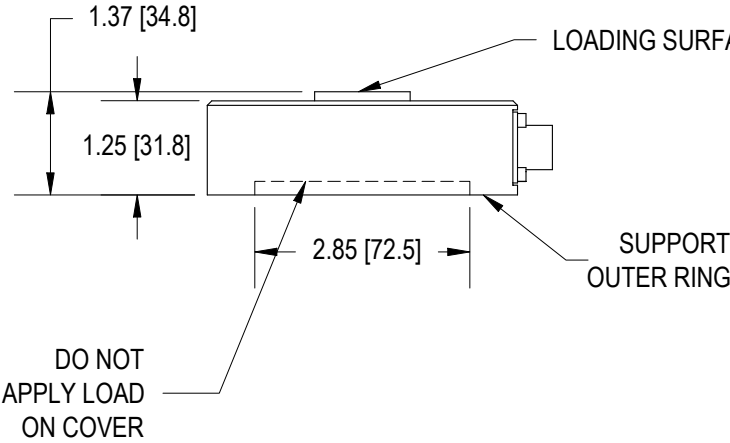MATING CONNECTOR
PT06A-10-6S-SR
(NOT INCLUDED)

NON LOADING SURFACE DO NOT CONTACT

THREAD UNF-2B THRU

ID. #

FUTEK LABEL

1.37 [34.8]

LOADING SURFACE

REFER TO LCF455 FOR TENSION BASE VERSION

1.25 [31.8]

2.85 [72.5]

SUPPORT OUTER RING

DO NOT APPLY LOAD ON COVER

Stock #	CAPACITY		THREAD	MATERIAL
	lb	N		
FSH00953	300	1334	5/8-18	17-4PH ALLOY STEEL
FSH02050			M16 X 2	
FSH00128	500	2224	5/8-18	ANODIZED ALUMINUM
FSH00132			M16 X 2	
FSH00129	1000	4448	5/8-18	
FSH00133			M16 X 2	
FSH00130	2000	8896	5/8-18	
FSH00134			M16 X 2	
FSH00137	5000	22240	5/8-18	17-4PH ALLOY STEEL
FSH00141			M16 X 2	
FSH00138	10000	44480	5/8-18	
FSH00142			M16 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	700 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]
WEIGHT	ANODIZED ALUMINUM: 1.3lb [0.6kg], 17-4PH/ALLOY STEEL: 3.5lb [1.6kg]
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)	5 pt. COMPRESSION; 100K Ω SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC

OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PCO4E-10-6P)
BENDIX MATING CONNECTOR (PCO6E-10-6S-SR)

BENDIX RECEPTACLE (PTO2H-10-6P)
BENDIX MATING CONNECTOR (PTO6A-10-6S-SR)

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