80002

LOAD CELL CHARACTERISTICS

#	CAPACITY	US CAPACITIES	SI CAPACITIES
		3300, 1K, 2K, 5K, 10K (lbf)	2.8, 5, 10, 17.2, 25, 50 (kN)
1	BASE THREAD, DEPTH & COUNTERBORE	.625-18 UNF-3B ⤓0.87 ⌴ ⌀.645 ⤓0.12	M16 X 2-4H ⤓ 22.1 ⌴ ⌀16.4 ⤓3.0

REVISIONS

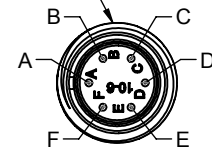| REV.	DESCRIPTION	DATE	APPROVED
A	ADDED OUTER & INNER RING SECTION	09/12/06	
B	REDRAWN & UPDATED TO CURRENT STANDARDS, ADDED ADDITIONAL CONNECTOR PINOUTS & NOTE 4	02/04/16	DLC
C	REMOVED C6 WIRING, ADDED NOTED 5 & 6, ADDED 33000 lbf, 2.8kN & 17.2kN CAPACITIES	07/16/2018	SKD

22.5°

⌀ .41 [10.3] ⤓ .25[6.4]
⌀ .28 [7.1] THRU

⌀ 3.500 [88.90]

R2.69 MIN [68.3 MIN]

⌀ 4.12 [104.7]

R3.82 [97.0]

CABLE TYPE: /2\
⌀0.25 [6.4] O.D., 7 CONDUCTOR, 22 GAGE, SHIELDED

1.25 [31.8]

A

4X ⌀ .25[6.4] ⤓ .29[7.4]

B

⌀ 1.34 [34.0]

S R6.00 [152.4]
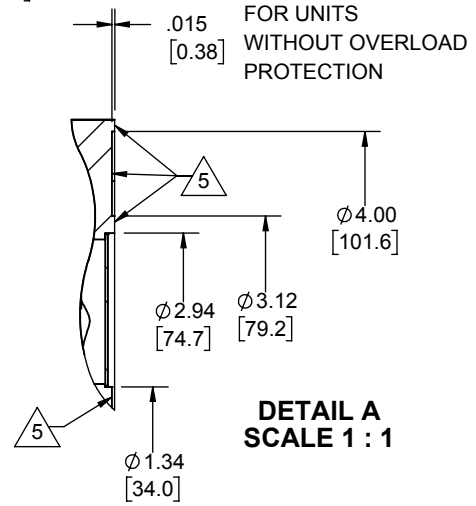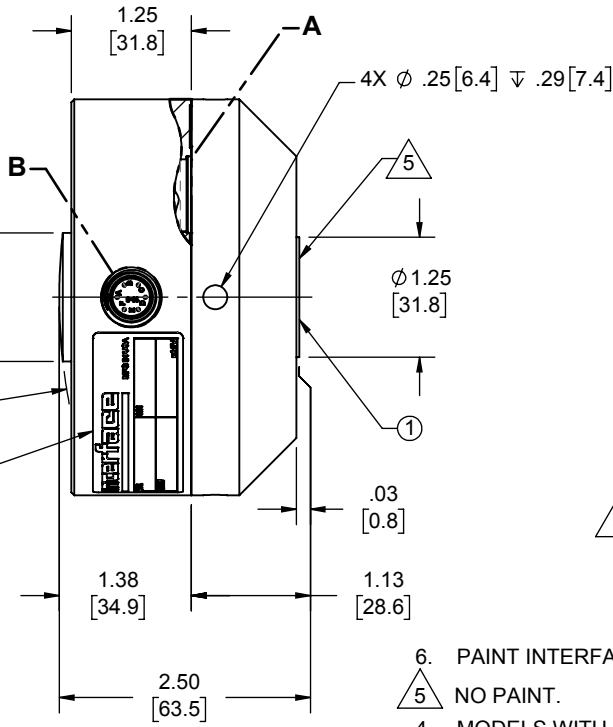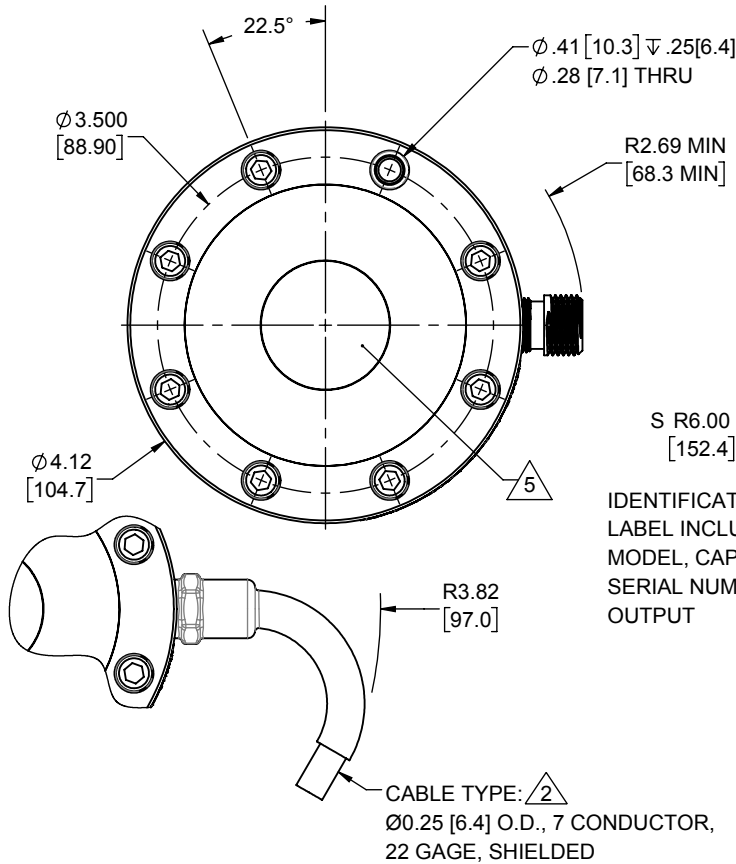
IDENTIFICATION LABEL INCLUDING: MODEL, CAPACITY, SERIAL NUMBER & OUTPUT

interface

⌀ 1.25 [31.8]

.03 [0.8]

1.38 [34.9]

1.13 [28.6]

2.50 [63.5]

.015 [0.38]

FOR UNITS WITHOUT OVERLOAD PROTECTION

⌀4.00 [101.6]

⌀ 2.94 [74.7] ⌀ 3.12 [79.2]

⌀ 1.34 [34.0]

DETAIL A SCALE 1 : 1

6. PAINT INTERFACE BLUE.

/5\ NO PAINT.

4. MODELS WITH TEDS ID CHIP HAVE A "T" AT THE END OF THE MODEL NUMBER (1211HL-10K-B-T).

3. CONNECTOR / CABLE POSITION FOR MULTIPLE BRIDGE LOAD CELLS ARE ORIENTATED IN 90° CCW INCREMENTS.

/2\ STANDARD CABLE LENGTH IS 10 FT [3 M]. NON-STANDARD CABLE LENGTH PER OPTION CODE.

1. BASE IS OPTIONAL ON 1211, MODEL NUMBERS ENDING IN (-B) HAVE A BASE INSTALLED.

CONNECTOR PINOUT / INTEGRAL CABLE MODELS

PIN	4 WIRE (C1)	4 WIRE (C1 WITH TEDS OPTION)	COLOR	FUNCTION
A	+ EXCITATION	+ EXCITATION	RED	+ EXCITATION
B	+ OUTPUT	+ OUTPUT	GREEN	+ OUTPUT
C	- OUTPUT	- OUTPUT	WHITE	- OUTPUT
D	- EXCITATION	- EXCITATION	BLACK	- EXCITATION
E	N/C	TEDS DATA	WHITE / RED	- SENSE
F	N/C	TEDS GROUND	WHITE / BLACK	+ SENSE
			WHITE / YELLOW	SHUNT CAL
			SHIELD	N/C
ALL READ UPSCALE IN TENSION				

CONNECTOR: PC04E-10-6P

DETAIL B SCALE 1 : 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [mm]
TOLERANCES ARE:
ANGLES   ± 0° 30'
.XX   ± .01 [0.25]
.XXX   ± .005 [0.13]

interface
FORCE MEASUREMENT SOLUTIONS.
7418 E. HELM DRIVE
SCOTTSDALE, AZ 85260 USA

CREATOR	DATE	TITLE: OUTLINE MODEL: 1111 & 1211
DESIGNED:		
DETAILED: BKS	3/24/1995	SIZE: A DWG. NO: 80002 REV: C
WEIGHT: (APPROX) 7 (lbs)		SCALE: 1:2 SHEET 1 OF 1

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