80003

LOAD CELL CHARACTERISTICS

#	CAPACITY	US CAPACITIES	SI CAPACITIES
	CAPACITY	12.5K, 15K, 20K, 25K (lbf)	50, 100, 120 (kN)
1	FLEXURE / BASE THREAD & C'BORE	1.250-12 UNF-3B ⤓ 1.40[35.6] ⊔ ⌀1.27 ⤓.12[3]	M33 X 2-4H ⤓ 1.40[35.6] ⊔ ⌀1.32[33.5] ⤓.12[3]

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REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
B	ADDED OUTER & INNER RING SECTION	09/12/06	
C	REDRAWN & UPDATED TO CURRENT STANDARDS, ADDED ADDITIONAL CONNECTOR PINOUTS & NOTE 4	05/02/16	DLC
D	ADDED 120kN CAPACITY	7/12/2017	AL
E	REMOVED C6 WIRING, ADDED NOTES 5 & 6	08/08/2018	SKD

12X 30°
15°
12X ⌀ .41[10.3] THRU
⌀5.125 [130.18]
R3.66 MIN [93.0 MIN]
⌀6.06 [153.9]
R4.78 [121.4]

CABLE TYPE: /2\
⌀.25 [6.4] O.D., 7 CONDUCTOR, 22 GAGE, SHIELDED

.30 [7.6]
1.63 [41.3]
.03 [0.8]
.015 [0.38]
⌀5.86 [148.8]
⌀4.30 [109.2]
⌀4.01 [101.8]
⌀2.41 [61.2]
⌀2.25 [57.2]
⌀2.41 [61.2]

B
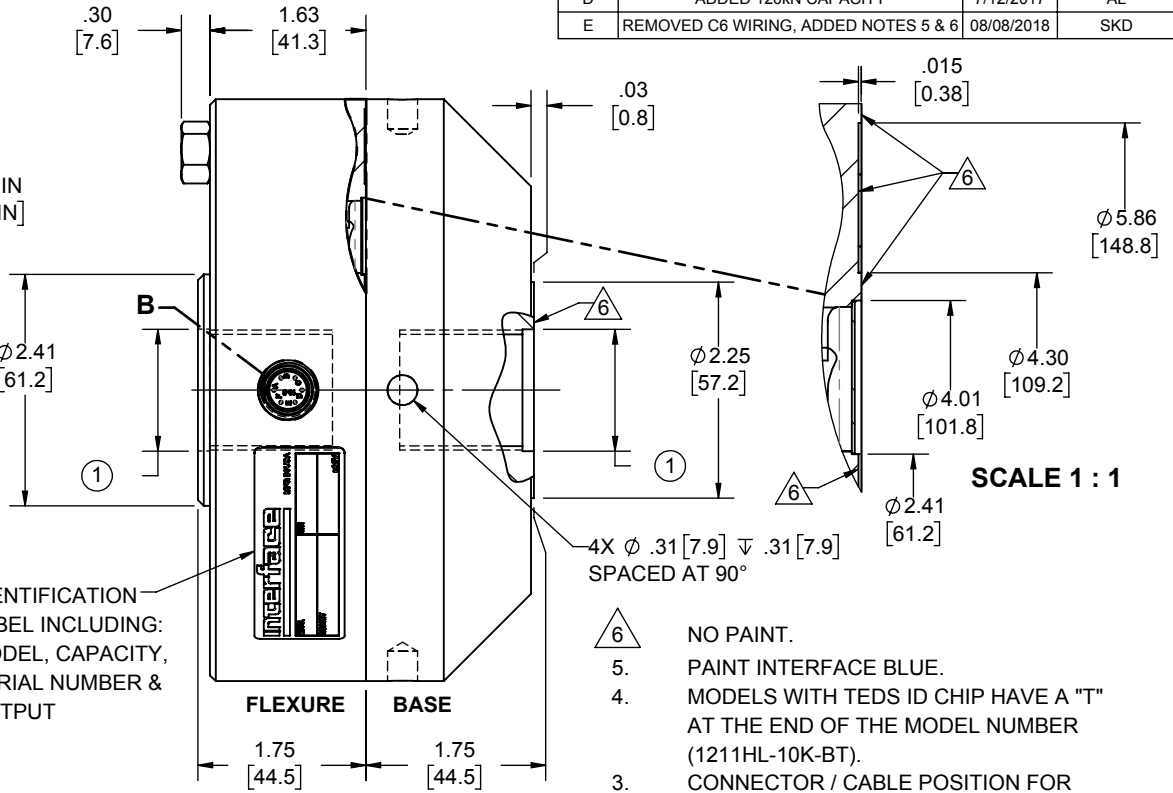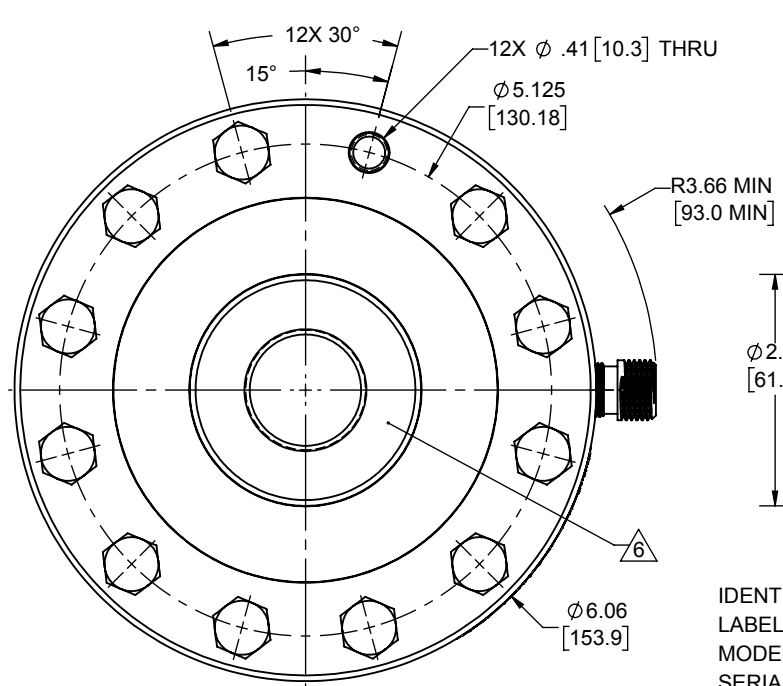
IDENTIFICATION LABEL INCLUDING: MODEL, CAPACITY, SERIAL NUMBER & OUTPUT

FLEXURE   BASE

1.75 [44.5]   1.75 [44.5]

4X ⌀ .31[7.9] ⤓ .31[7.9] SPACED AT 90°

SCALE 1 : 1

/6\ NO PAINT.

5. PAINT INTERFACE BLUE.

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

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 1020 & 1220, MODEL NUMBERS ENDING IN (-B) HAVE A BASE INSTALLED.

CONNECTOR: PC04E-10-6P
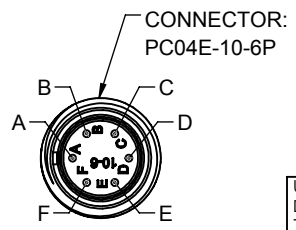
DETAIL B
SCALE 1 : 1

CONNECTOR PINOUT / INTEGRAL CABLE MODELS

PIN	4 WIRE (C1)	4 WIRE (C1 WITH TEDS OPTION)	COLOR	FUNCTION
A	+ EXCITATION	+ EXCITATION	RED	+ EXCITATION
B	+ SIGNAL	+ SIGNAL	GREEN	+ SIGNAL
C	- SIGNAL	- SIGNAL	WHITE	- SIGNAL
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				

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

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

CREATOR | DATE
DESIGNED:

APPROX WEIGHT (lbs)	
WITH BASE	21.7
WITHOUT BASE	9.4

DETAILED: BKS | 3/24/1995
WEIGHT: (APPROX)

TITLE:
OUTLINE MODELS:
1020, 1120, 1220

SIZE: A | DWG. NO: 80003 | REV: E
SCALE: 1:2 | SHEET 1 OF 1

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