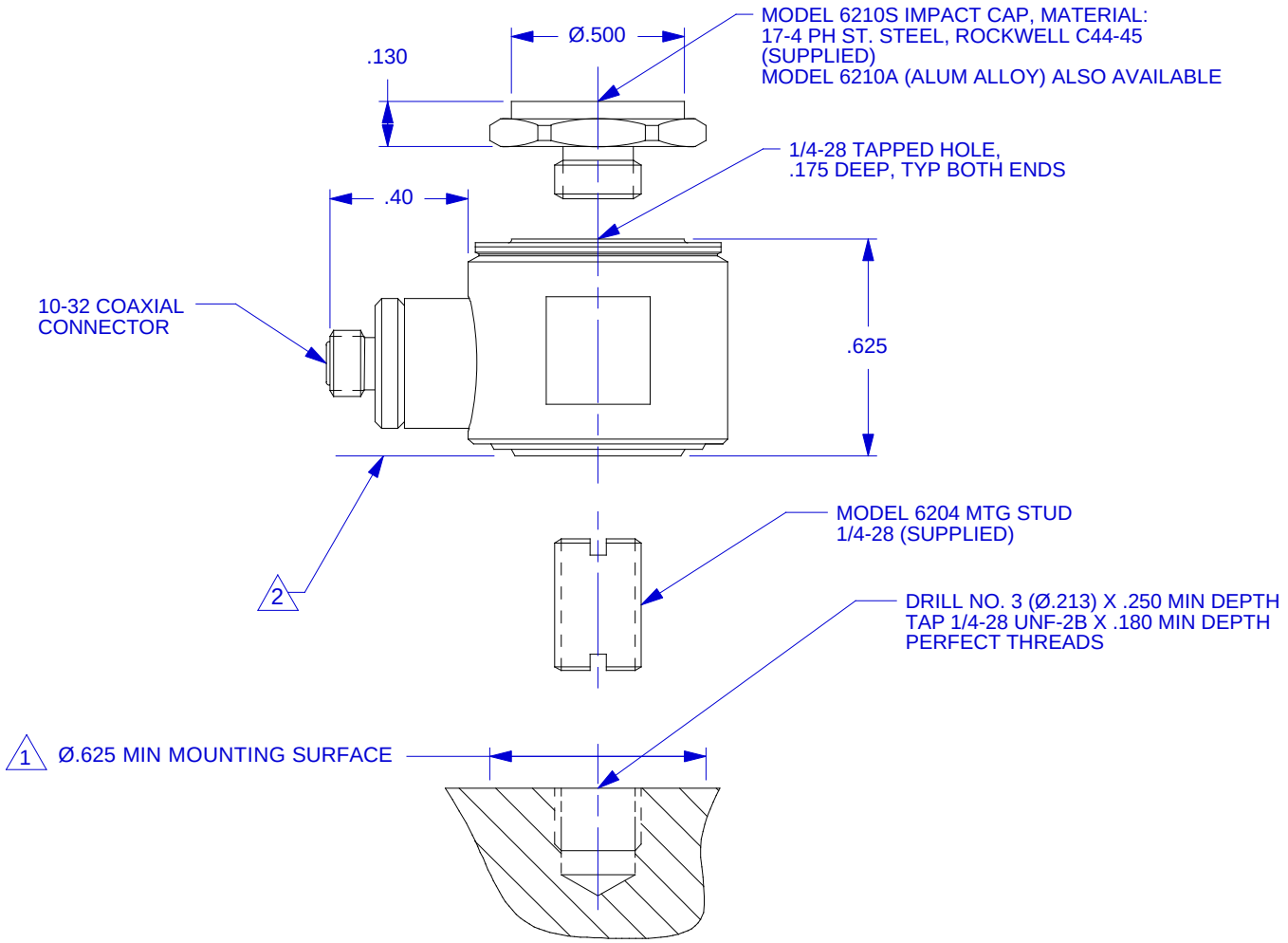

3 WRENCH FLATS: 11/16 (.687) ACROSS FLATS X .31 HIGH.

2 IT IS IMPORTANT THAT BOTTOM SURFACE OF SENSOR BE IN INTIMATE CONTACT. INSPECT FOR BURRS, ETC.

1 PREPARE FLAT SURFACE OVER Ø.625 MINIMUM AREA BY GRINDING, SPOTFACING, LAPPING ETC. THIS AREA MUST BE FLAT WITHIS .001 TIR, TYP BOTH MODELS.

EXCEPT AS OTHERWISE NOTED

ALL DIMENSI0NS IN INCHES
TOLERANCE: .XXX = ± .XX= ±

SURFACE FINISH
EXCEPT AS NOTED √

BREAK EDGES TO DEBURR
RADIUS OR CHAMFER

- THESE DIAS ⊙ TO T.I.R.

FILLETS - MAX RAD.

DYTRAN INSTRUMENTS, INC. CHATSWORTH, CA.

SCALE 2X	REV -	DATE -	ECN -		
DATE 12/20/00	PART NO. -				
DRAWN N.C. / CHECKED R.A.	MAT'L -				
APPROVED	NEXT ASSEMBLY	USED ON SERIES 1051C			

TITLE
OUTLINE/INSTALLATION DRAWING, MODEL 1051C

DWG NO. **127-1051C**

SHEET 1 OF 1

SPECIFICATIONS MODEL 1051C DYNAMIC FORCE SENSOR

SPECIFICATION	VALUE	UNITS
SENSITIVITY	-18	pC/Lb F
COMPRESSION RANGE	5,000	Lb F
MAXIMUM COMPRESSION	15,000	Lb F
TENSION RANGE	500	Lb F
MAXIMUM TENSION [1]	1,000	Lb F
STIFFNESS	11.4	Lb/µ In
MOUNTED RESONANT FREQUENCY, UNLOADED	75	kHz
LINEARITY [2]	+/- 1	%F.S.
F.S.OUTPUT VOLTAGE, NOM.	5	VOLTS
MAX SHOCK, UNLOADED	10,000	G's
MAX. VIBRATION, UNLOADED	+/- 2500	G's
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/^{o}F
TEMPERATURE RANGE	-100 to +500	^{o}F
ENVIRONMENTAL SEAL	WELDED/EPOXY	
CAPACITANCE, NOM.	18	pF
INSULATION RESISTANCE	1 X 10^{12}	Ohms
CASE MATERIAL	STAINLESS STEEL	
WEIGHT	32	GRAMS
MOUNTING PROVISION, TOP AND BOTTOM	1/4-28 x .175 DEEP	
ELECTRICAL CONNECTOR, RADIAL	10-32 COAXIAL	

ACCESSORIES SUPPLIED: (1) MOD 6210 STEEL IMPACT CAP, (2) MOD 6204 1/4-28 MOUNTING STUD

[1] **Absolute maximum tension. Do not exceed in any case!**
[2] Percent of full scale or of any lesser range, zero based best fit straight line method.