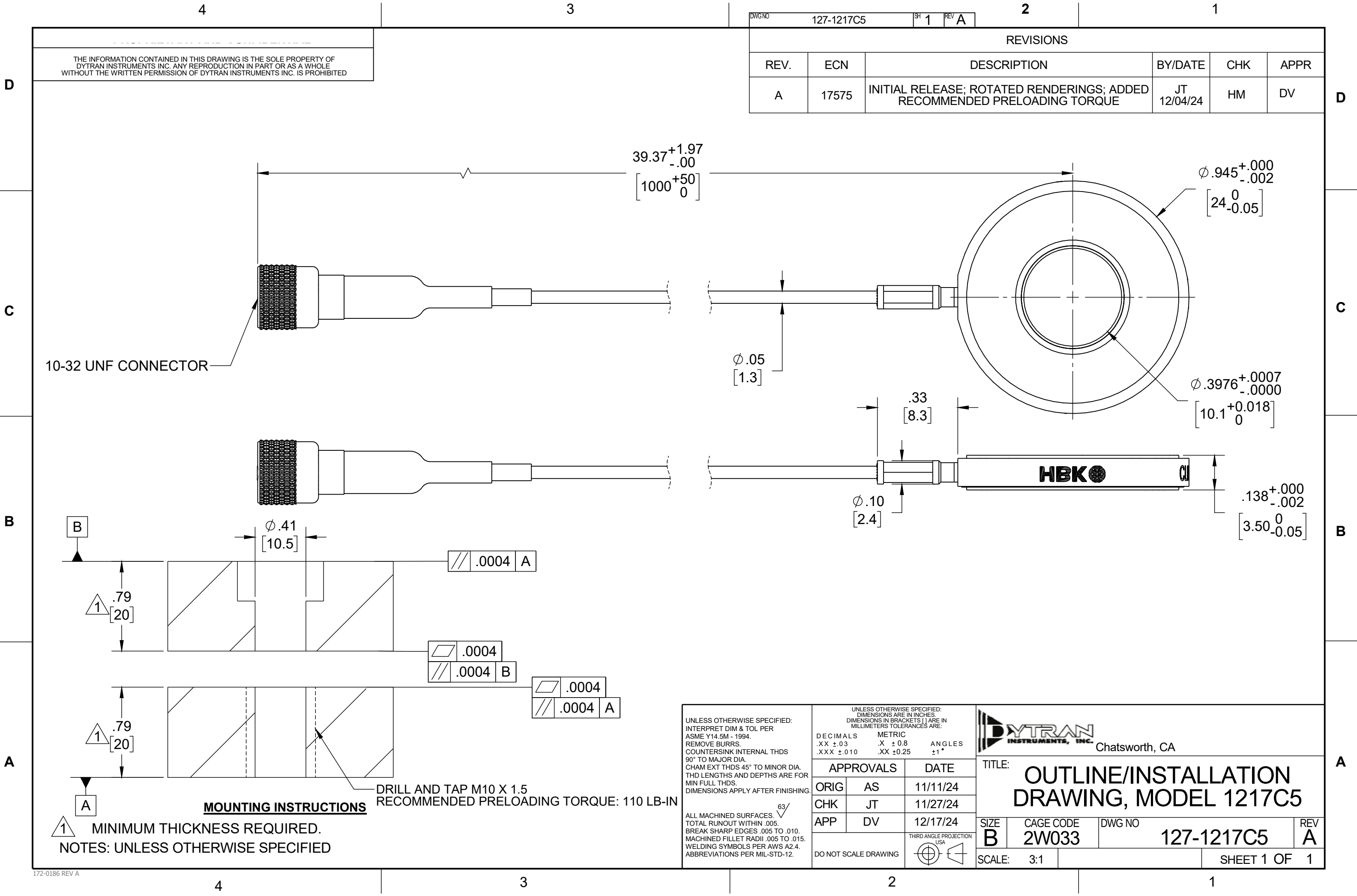




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DWGNO		127-1217C5		SH	1	REV	A				
REVISIONS											
REV.	ECN	DESCRIPTION					BY/DATE	CHK	APPR		
A	17575	INITIAL RELEASE; ROTATED RENDERINGS; ADDED RECOMMENDED PRELOADING TORQUE					JT 12/04/24	HM	DV		

UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER
ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS
90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR
MIN FULL THDS.
DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

DECIMALS
.XX ±.03
.XXX ±.010

METRIC
.X ±.08
.XX ±0.25

ANGLES
±1°

APPROVALS		DATE
ORIG	AS	11/11/24
CHK	JT	11/27/24
APP	DV	12/17/24

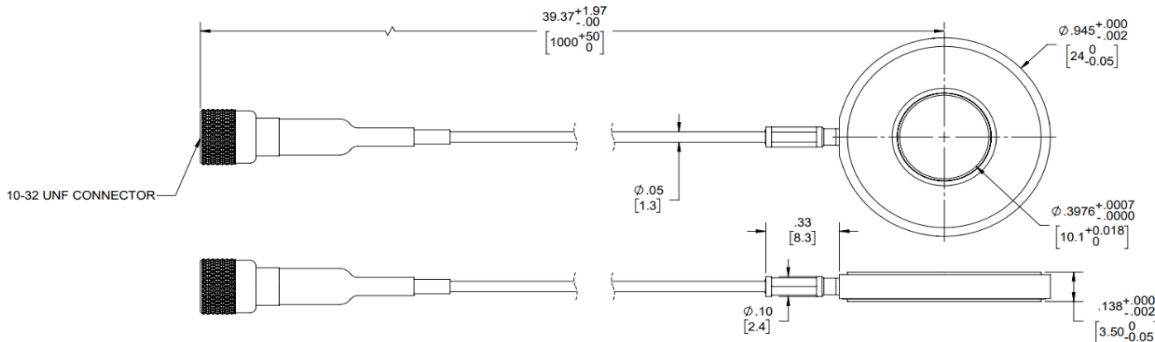
DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 1217C5**

SIZE B	CAGE CODE 2W033	DWG NO 127-1217C5	REV A
SCALE: 3:1		SHEET 1 OF 1	

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																																				
1217C5						PS1217C5																																				
		RING FORCE TRANSDUCER				REV A, ECN17575, 12/04/24																																				
 PHYSICAL Weight, Max (Sensor) Housing Cable Connector ENGLISH <0.18 17-4 PH 39.4 PTFE 34 10-32, UNF-2B oz in AWG SI <5 17-4 PH 1000 PTFE 34 10-32, UNF-2B grams mm AWG																																										
PERFORMANCE Sensor Measurement Range Sensor Sensitivity (+/-30%) System Linearity [2] Insulation Resistance 8,094 19 <±1 ≥1000 Lbf pC/Lbf %F.S GΩ 36 4.30 <±1 ≥1000 kN pC/N %F.S GΩ																																										
ENVIRONMENTAL Preloading force (recommended) Maximum force on the sensor (with preload) Temperature Range (Operational, Sensor) Temperature coeff. of the sensitivity Seal 1619 9712 -4 to 248 0.036 IP65 Lbf Lbf °F % / °F 7.2 43 -20 to 120 0.02 IP65 kN kN °C % / °C																																										
This family also includes: <table><tr><th>Model</th><th>Sensitivity (pC/Lbf)</th><th>Range (Lbf)</th><th>Oper. Temp(°F)</th><th>Cable Length (in)</th></tr><tr><td>1217C1</td><td>19</td><td>674</td><td>-4 to 248</td><td>39.4</td></tr><tr><td>1217C2</td><td>19</td><td>1574</td><td>-4 to 248</td><td>39.4</td></tr><tr><td>1217C3</td><td>19</td><td>3147</td><td>-4 to 248</td><td>39.4</td></tr><tr><td>1217C4</td><td>19</td><td>5845</td><td>-4 to 248</td><td>39.4</td></tr><tr><td>1217C6</td><td>19</td><td>13939</td><td>-4 to 248</td><td>39.4</td></tr><tr><td>1217C7</td><td>19</td><td>17986</td><td>-4 to 248</td><td>39.4</td></tr></table> Please, refer to the performance specifications of the products in this family for detailed description. Supplied Accessories: 1) Accredited Calibration Certificate (ISO 17025) Notes: [1] All specifications are at room temperature unless otherwise specified. [2] Measured using zero-based straight line method, % of F.S. or any lesser range. [3] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.								Model	Sensitivity (pC/Lbf)	Range (Lbf)	Oper. Temp(°F)	Cable Length (in)	1217C1	19	674	-4 to 248	39.4	1217C2	19	1574	-4 to 248	39.4	1217C3	19	3147	-4 to 248	39.4	1217C4	19	5845	-4 to 248	39.4	1217C6	19	13939	-4 to 248	39.4	1217C7	19	17986	-4 to 248	39.4
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 Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-1217C5 for more information.																																										
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