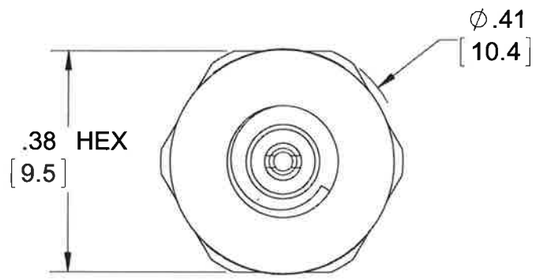
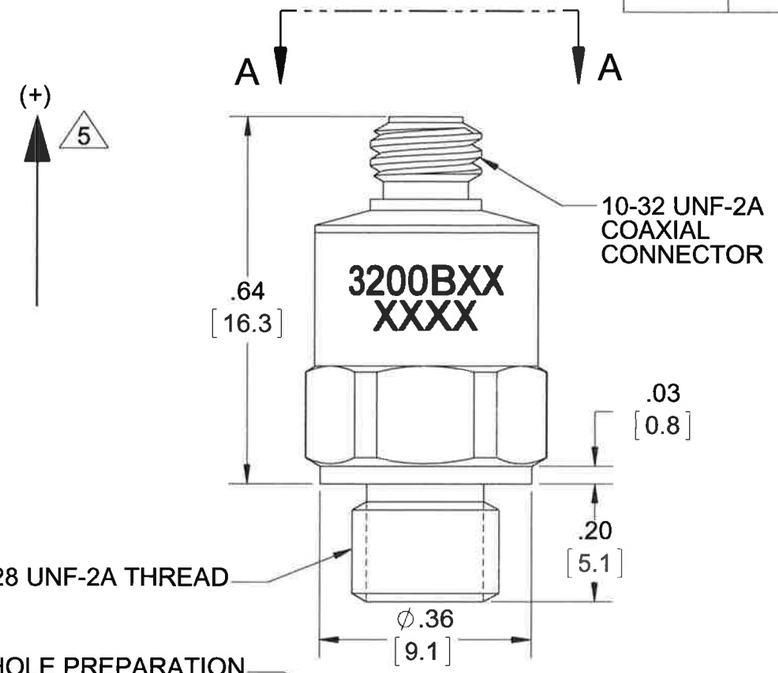
DWG NO 127-3200B SH 1 REV E

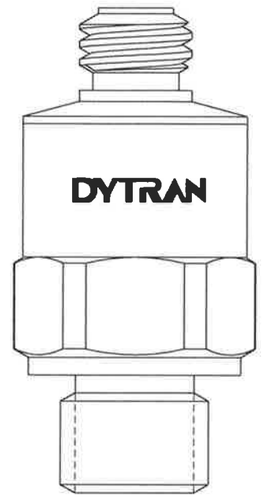
REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	11055	UPDATED VIEWS. CONVERTED TO SOLIDWORKS	EC 07/02/14	JLS	

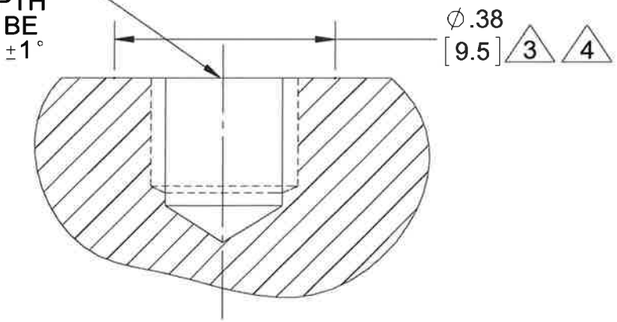


VIEW A-A





MOUNTING HOLE PREPARATION
TAP 1/4-28 UNF-2B X .25 [6.4] MIN DEPTH
OF PERFECT THREAD. HOLE TO BE
PERPENDICULAR WITHIN ±1°



3200B SERIES

5 ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE - GOING OUTPUT SIGNAL

4 PREPARE FLAT SURFACE TO THIS DIA. WITH A FINISH OF 63 OR BETTER AND FLAT TO .001 TIR.

3 PREPARE MOUNTING SURFACE AS SHOWN. APPLY A LAYER OF SILICONE GREASE TO MOUNTING SURFACE. TORQUE IN PLACE WITH 50 LB-IN.

2. HOUSING MATERIAL: 17-4 PH STAINLESS STEEL

1. WEIGHT: 6 GRAMS MAX

NOTES: UNLESS OTHERWISE SPECIFIED

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.

63
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.

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ±0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	NC	11/30/81
CHK	NC	11/30/81
APP	DV	8/8/14

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: OUTLINE/INSTALLATION DRAWING, SERIES 3200B, LIVM, SHOCK ACCELEROMETERS

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3200B	E

SCALE: 4:1 SHEET 1 OF 1

172-0186 REV A

SPECIFICATIONS, MODEL SERIES 3200B, 3200BT & 3200BM [1]
LIVM (IEPE) HIGH SHOCK ACCELEROMETERS

SPECIFICATIONS BY MODEL

MODELS	RANGE F.S. (G's)	MAXIMUM SHOCK (G's)	SENSITIVITY (±10%) [2] (mV/G)	ELECTRICAL NOISE (G's)	NATURAL FREQUENCY (kHz)
3200B, BT & BM	**+/-**70,000	100,000	0.05	1.4	>90
3200B2, B2T & B2M	**+/-**50,000	100,000	0.1	0.7	>90
3200B3, B3T & B3M	**+/-**20,000	100,000	0.25	0.28	>90
3200B4, B4T & B4M	**+/-**10,000	50,000	0.5	0.14	>90
3200B5, B5T & B5M	**+/-** 5,000	50,000	1.0	0.07	>90
3200B6, B6T & B6M	**+/-** 2,500	50,000	2.0	0.035	>90

COMMON SPECIFICATIONS

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT	1.0 to 1.5	SECOND
LOW FREQUENCY -3db POINT, NOM.	.16	Hz
LOW FREQUENCY -5% POINT	.50	Hz
FREQUENCY RESPONSE, ±10%	.35 to 10000	Hz
LINEARITY [3]	±1	% F.S.
TRANSVERSE SENSITIVITY, MAXIMUM	3.0	%
OUTPUT IMPEDANCE, NOM. OHMS	100	
OUTPUT VOLTAGE BIAS	+7.5 to +9.5	VDC
SUPPLY CURRENT RANGE [4]	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [4]	+18 to +30	VDC
OPERATING TEMPERATURE RANGE	-60 to +250	^{0}F
SIZE (HEX x HEIGHT) [5]	3/8 x .64	INCHES
WEIGHT	6	GRAMS
CONNECTOR, TOP MOUNTED	10-32	MICRO-COAXIAL
MATERIAL, HOUSING/CONNECTOR	17-4 PH	STAINLESS STEEL
MOUNTING PROVISION, 3200B/3200BT/3200BM INTEGRAL STUD	1/4-28/10-32/M6 x 1.0	
ENVIRONMENTAL SEAL	EPOXY	
ISOLATION, CASE TO MOUNTING SURFACE (MIN.)	10	GIGOHMS

[1] Model series 3200B features 1/4-28 mounting stud, series 3200BT features 10-32 stud, series 3200BM has a m6 x 1.0 metric mounting stud. All other characteristics are identical.
[2] Measured by impacting against calibrated force sensor. NIST traceable.
[3] Percent of full scale or any lesser-designated full-scale range, zero-based best fit straight-line method.
[4] Power only with Dytran or Dytran approved current source type power unit. Do not supply power without current limiting. You will destroy the integral electronics. This will void the warranty.
[5] Height measured from mounting surface to top of connector. Integral mounting studs are .20 in. long