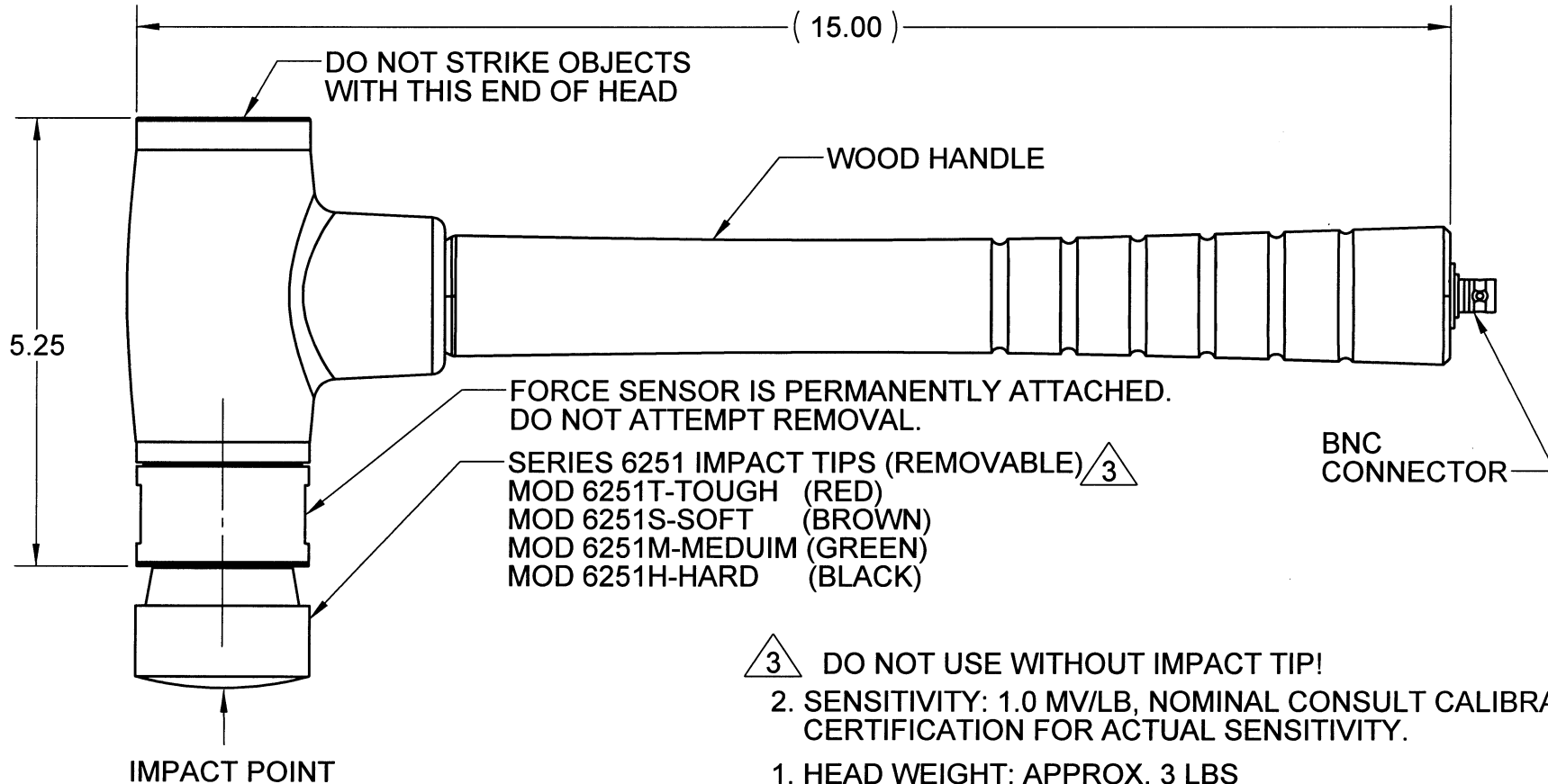


PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS, INC. IS PROHIBITED

REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5916	INITIAL RELEASE	RA,07/01/09	<i>[Signature]</i>	<i>[Signature]</i>



- 3** DO NOT USE WITHOUT IMPACT TIP!
2. SENSITIVITY: 1.0 MV/LB, NOMINAL CONSULT CALIBRATION CERTIFICATION FOR ACTUAL SENSITIVITY.
  1. HEAD WEIGHT: APPROX. 3 LBS
- NOTES: UNLESS OTHERWISE SPECIFIED

5802AT	USED ON	NEXT ASSY
APPLICATION		
THIRD ANGLE PROJECTION USA		

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.  
 THDS PER MIL-S-7742.  
 DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES. <sup>63</sup>✓  
 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.

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES.  
 DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS  
 TOLERANCES ARE:  
 INCHES METRIC ANGLES  
 .XX ± .03 .X ± 0.8 ± 1°  
 .XXX ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.		
APPROVALS		DATE
ORIG	R.A.	06/29/09
CHK	<i>[Signature]</i>	6/24/09
APP	<i>[Signature]</i>	7/1/09
APP		

**DYTRAN**  
 INSTRUMENTS, INC.  
 Chatsworth, CA

**MASTER ONLY IF IN RED**

TITLE:  
**OUTLINE/INSTALLATION, 5802AT**

SIZE	CAGE CODE	DWG. NO.	REV
<b>A</b>	<b>2W033</b>	<b>127-5802AT</b>	<b>A</b>

SCALE: 1:4      SOLIDWORKS      SHEET 1 OF 1



- IMPULSE HAMMERS
- EXCELLENT LINEARITY

**PHYSICAL**

Weight, Head  
Connector  
  
Head  
Material  
Handle  
Material  
Impact Tips, All  
Material  
Sensing Element  
Material  
Mode

ENGLISH		SI	
47.6	oz	1360	grams
BNC		BNC	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Wood		Wood	
Polyurethane		Polyurethane	
Quartz		Quartz	
Compression		Compression	

**PERFORMANCE**

Sensitivity, ± 10 %  
Range  
Maximum Force  
Linearity [1]  
Resonant Frequency  
Stiffness, Force Sensor

1	mV/LbF	0.25	mV/N
5,000	Lbs. Force	22.2	kN
10,000	Lbs. Force	44.5	kN
± 2	% Full Scale	± 2	% Full Scale
75	kHz	75	kHz
42	Lb/μin	7.28	kN/μm

**ELECTRICAL**

Output Voltage F.S  
Output Impedance, Max  
Bias Voltage  
Compliance Voltage Range  
Supply Current Range  
Discharge Time Constant, Nom

±5	V	±5	V
100	Ω	100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
+18 to +30	VDC	+18 to +30	VDC
2 to 20	mA	2 to 20	mA
1500	Sec	1500	Sec

**This family also includes:**

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)

Please refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

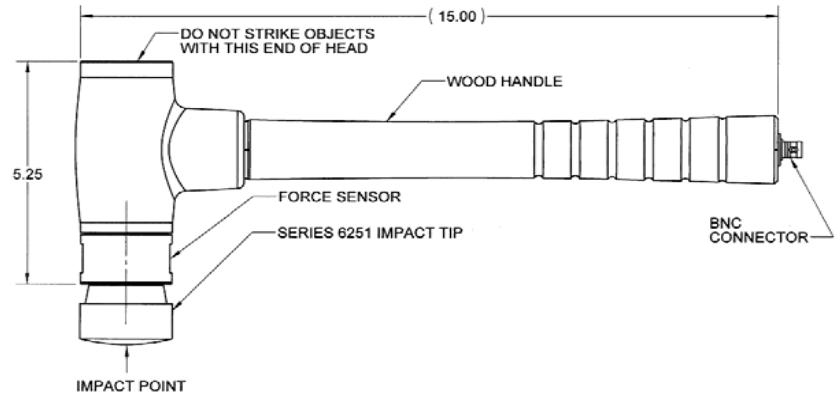
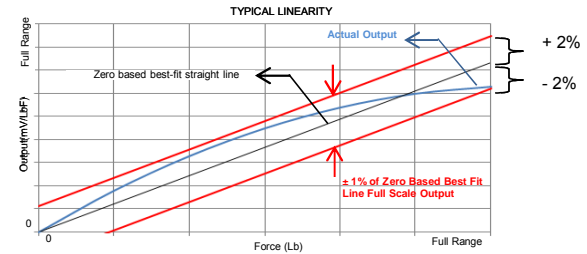
- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6251T impact tip, tough, red; Model 6251S impact tip, soft, brown.

**Available Accessories:**

- 1) Model 6251H impact tip, hard, black; Model 6251M impact tip, medium, green.

**Notes:**

- [1] Percent of full scale or any lesser range, Zero based best-fit straight line method.
- [2] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5802AT for more information.

