REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5916	INITIAL RELEASE	R.A. 06/23/09	JS	DV

Ø .63

#10-32 UNF-2B
THREADED HOLE

FIBERGLASS HANDLE

DYTRAN
USA
5800BXT
S/N XXXX

ACCELERATION COMPENSATED
DYNAPULSE

DYTRAN

2.53

FORCE SENSOR
PERMANENTLY ATTACHED
DO NOT ATTEMPT REMOVAL

RUBBERIZED GRIP

Ø .75

.25

SUPPLIED IMPACT TIPS
MODELS 6250A, P & PS

BNC COAXIAL
CONNECTOR

8.71
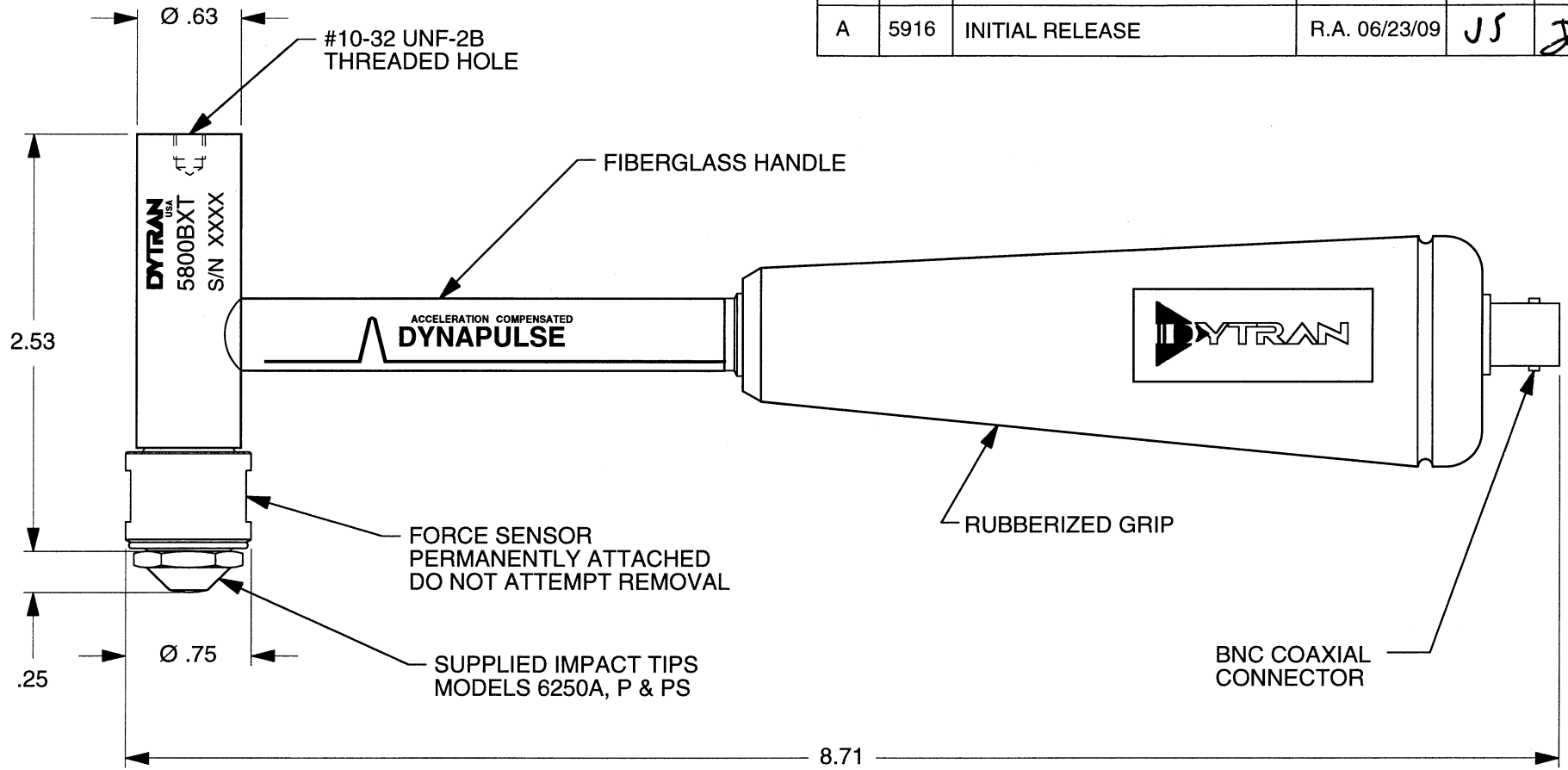
MODEL NO.	SENSITIVITY
5800B2T	100 mV/LbF
5800B3T	50 mV/LbF
5800B4T	10 mV/LbF
5800B5T	5 mV/LbF

DYTRAN
INSTRUMENTS, INC.

MASTER
ONLY IF IN RED

CHATSWORTH, CA.

SCALE	1X	REV	-	DATE SEE REV BLOCK	ECN	-		
DATE	6/23/09	PART NO.						
DRAWN N.C.	CHECKED JS	MAT'L						
APPROVED DV 7/10/0		NEXT ASSEMBLY			USED ON			

1. HEAD WEIGHT - 100 GRAMS, TOTAL
   WEIGHT-220 GRAMS

TITLE
OUTLINE/INSTALLATION DRAWING,
IMPULSE HAMMER SERIES 5800BT

DWG NO.
127-5800BT

SHEET 1 OF 1

Model Number	PERFORMANCE SPECIFICATION	Doc No
5800B3T		PS5800B3T
	DYNAPULSE^{tm} IMPULSE HAMMERS	REV B, ECN 11678, 01/22/15

• IMPULSE HAMMERS
• EXCELLENT LINEARITY

This family also includes:

Model	Sensitivity (mV/Lb)	Range(Lbs. Force)	Max.Force (Lbs. Force)	Oper. Temp(°F)
5800B2T	100	50	1000	-40 to +150
5800B4T	10	500	1000	-40 to +150
5800B5T	5	100	2000	-40 to +150

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

Supplied Accessories:
1) Accredited calibration certificate (ISO 17025)
2) Impact tips, (1) model 6250A(aluminum), (1) model 6250P(Plastic) and (1) 6250PS, (soft plastic)

Notes:
[1] Percent of full scale or any lesser range, Zero based best-fit straight line method.

PHYSICAL

		ENGLISH		SI	
Weight, Head		3.5	oz	100	grams
Connector [1]	Coaxial	BNC Receptacle		BNC Receptacle	
	Material	Stainless Steel		Stainless Steel	
Head	Material	Stainless Steel		Stainless Steel	
Handle	Material	Fiber Glass		Fiber Glass	
Sensing Element	Material	Quartz		Quartz	
	Mode	Compression		Compression	

PERFORMANCE

	ENGLISH		SI	
Sensitivity, ± 10 %	50	mV/LbF	12	mV/N
Range	100	Lbs. Force	0.4	kN
Maximum Force	1,000	Lbs. Force	4.4	kN
Linearity [1]	± 1	% Full Scale	± 1	% Full Scale
Resonant Frequency	75	kHz	75	kHz
Stiffness	11.4	Lb/µin	1.97	kN/µm
Operating Temperature	-40 to +150	°F	-40 to +150	

ELECTRICAL

	ENGLISH		SI	
Output Voltage F.S	±5	V	±5	V
Output Impedance, Max	100	Ω	100	Ω
Compliance Voltage Range	+18 to +30	VDC	+18 to +30	VDC
Supply Current Range	2 to 20	mA	2 to 20	mA
Discharge Time Constant	50 to 55	Sec	50 to 55	Sec

TYPICAL LINEARITY
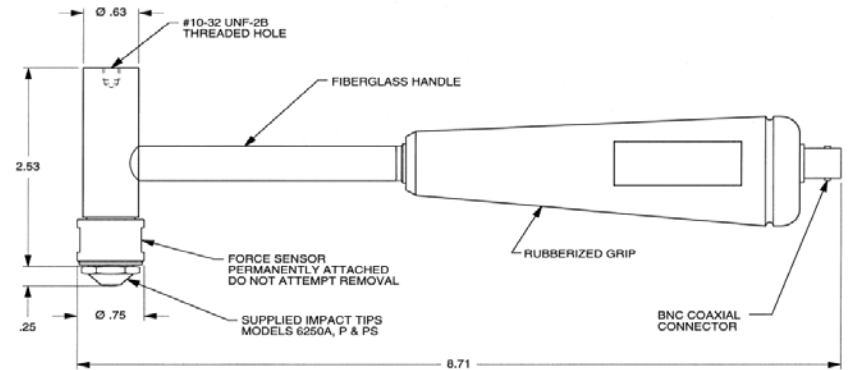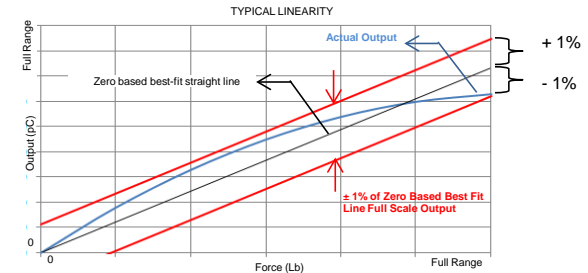
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5800BT for more information.