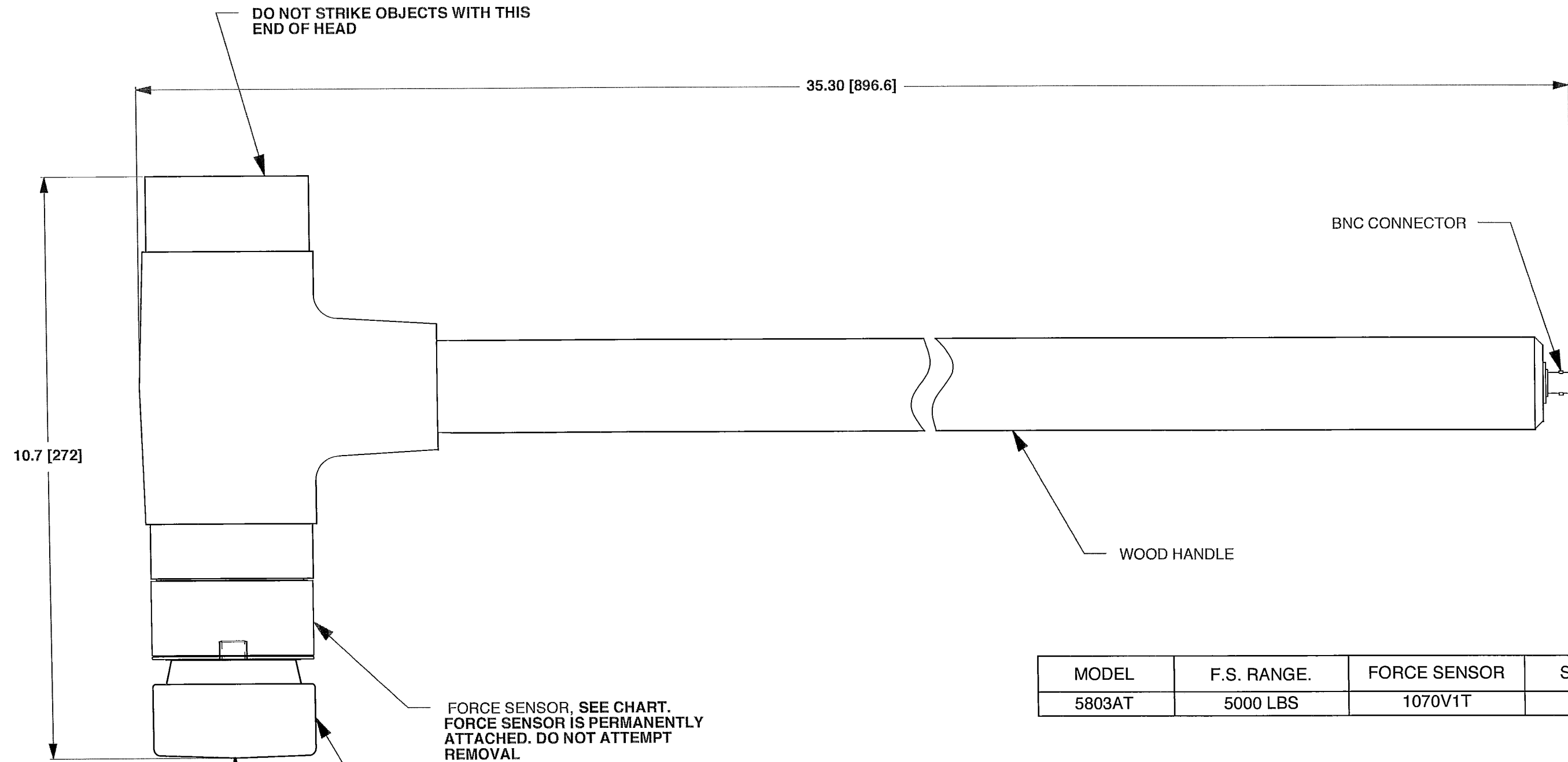



REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10421	INITIAL RELEASE	AB 09/25/13	LN	DN




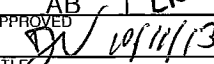
MODEL	F.S. RANGE.	FORCE SENSOR	SENSITIVITY
5803AT	5000 LBS	1070V1T	1 mV/LbF

SERIES 6252 IMPACT TIPS 
 MOD 6252S - SOFT (BROWN)
 MOD 6252T - TOUGH (RED)
 MOD 6252M - MEDIUM (GREEN)
 MOD 6252H - HARD (BLACK)

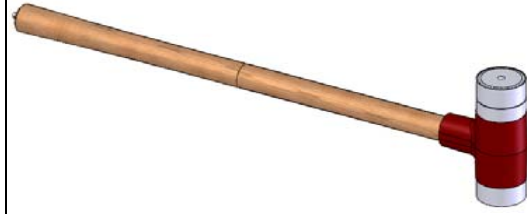
IMPACT POINT 

2. HEAD WEIGHT - 12 LB. NOM.

 NEVER USE HAMMER WITHOUT AND IMPACT TIP ATTACHED TO THE FRONT SURFACE OF THE SENSOR AS SHOWN. THIS WILL PERMANENTLY DAMAGE THE SENSOR.

		MASTER		CHATSORTH, CA.	
ONLY IF IN RED					
SCALE	1/2	REV	DATE	ECN	
DATE	09/25/13	PART NO.	5803AT		
DRAWN	AB	CHECKED	LN	MAT'L	
APPROVED			NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL SERIES 5803AT IMPULSE HAMMERS				127-5803AT	
SHEET 1 OF 1					

Model Number 5803AT	PERFORMANCE SPECIFICATION	Doc No PS5803AT
	DYNAPULSE™ IMPULSE HAMMERS	REV A, ECN 10421, 09/25/13



- IMPULSE HAMMER
- EXCELLENT LINEARITY
- TEDS FEATURE

PHYSICAL

Weight, Head
Connector [1]
Head
Handle
Sensing Element

ENGLISH		SI	
12	lb	5443	grams
BNC Receptacle		BNC Receptacle	
Stainless Steel		Stainless Steel	
Stainless Steel		Stainless Steel	
Wood		Wood	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

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

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
110	Lb/μin	19.06	kN/μm
-40 to +150	°F	-40 to +150	

ELECTRICAL

Output Voltage F.S
Output Impedance, Max
Compliance Voltage Range
Supply Current Range
Discharge Time Constant
TEDS Feature

±5	V	±5	V
100	Ω	100	Ω
+18 to +30	VDC	+18 to +30	VDC
2 to 20	mA	2 to 20	mA
20 to 25	Sec	20 to 25	Sec
IEEE 1451.4		IEEE 1451.4	

This family also includes:

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

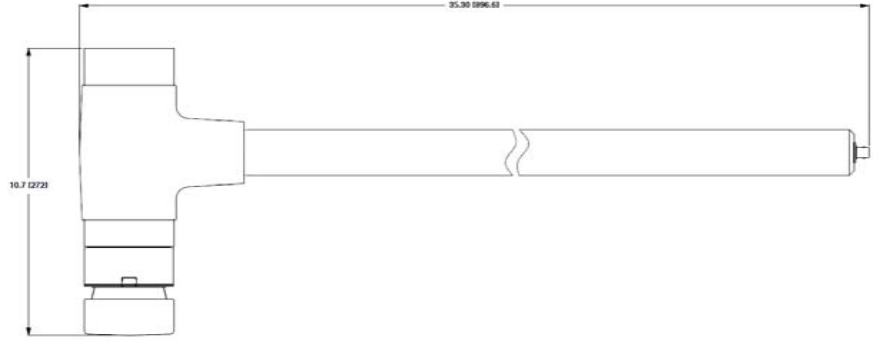
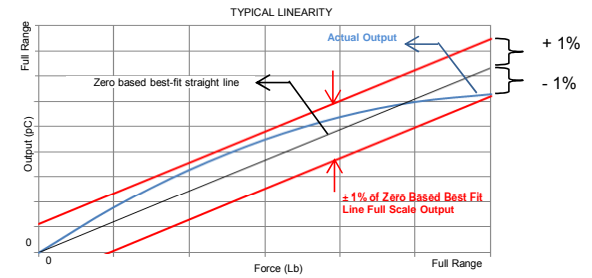
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Impact tips, (1) model 6252S (soft, brown), 6252T (tough, red), 6252M (medium, green), 6252H (hard, black)

Notes:

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



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5803AT for more information.



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