

Model	Weight gm	Sensitivity PC/lbf	Compression Range lbf	Max. Compression lbf	Tension Range lbf	Max. Tension lbf	Min. Temp. °F (°C)	Max. Temp. °F (°C)	Environmental Seal	Connector
1050C	32	-18	5,000	15,000	500	1,000	-100 (-73)	+500 (+260)	epoxy	axial 10-32
1051C	32	-18	5,000	15,000	500	1,000	-100 (-73)	+500 (+260)	epoxy	radial 10-32
1060C	460	-9	25,000	60,000	500	1,000	-100 (-73)	+500 (+260)	epoxy	axial 10-32
1061C	420	-9	25,000	60,000	500	1,000	-100 (-73)	+500 (+260)	epoxy	radial 10-32
1210C1	12	-18	5,000	10,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C2	24	-18	10,000	15,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C3	39	-18	20,000	25,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C4	60	-18	40,000	50,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C5	85	-18	60,000	70,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C6	168	-18	80,000	90,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32
1210C7	372	-18	100,000	110,000	N/A	N/A	-60 (-51)	+400 (+204)	hermetic	radial 10-32

PRODUCT SELECTION GUIDE

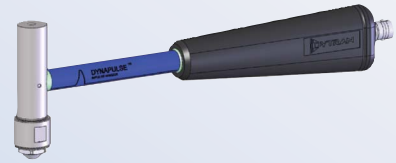
IMPULSE HAMMERS

Model	Head Weight gm	Sensitivity mV/lb	Range lbf	Max. Force lbf	Connector	Overall Length in
58002	100	100	50	1,000	BNC jack	8.7
58003	100	50	100	1,000	BNC jack	8.7
58004	100	10	500	1,000	BNC jack	8.7
58005	100	5	1,000	2,000	BNC jack	8.7
5800SL	2	100	50	75	10-32 jack	4.3
5802A	3 lbs	1	5,000	10,000	BNC jack	15.8
5803A	12 lbs	1	5,000	10,000	BNC jack	35.3
5805A	1 lb	1	5,000	10,000	BNC jack	11.8

IMPULSE HAMMERS

Dytran 5800B Series

The Dytran Dynapulse™ 5800B series is a family of general purpose IEPE impulse hammers used to excite structures or machinery with a definable impulse force. The impulse is used to identify resonances, an important measurement parameter for the study of dynamic behavior, as well as to help determine the overall structural health of a test specimen. Available in four different models with frequency ranges from 50 to 1,000 lbf, the Dytran 5800B series features a 100-gram head weight and is supplied with three interchangeable impact tips.



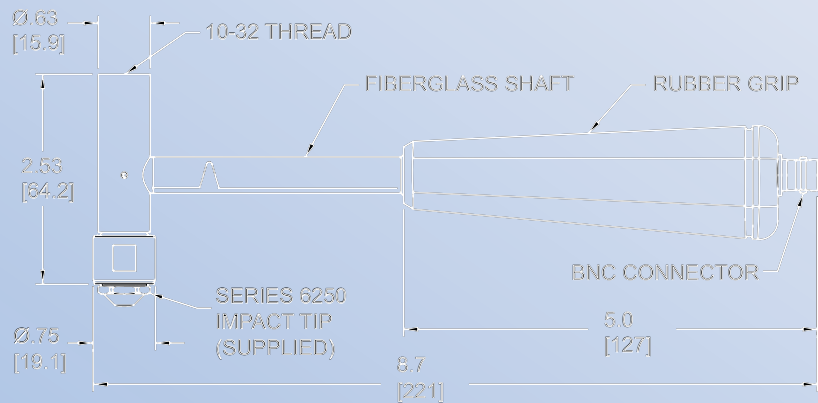
Dytran Dynapulse™ impulse hammers incorporate a special acceleration compensated piezoelectric force sensor in the hammer head at the striking face, ensuring a smooth frequency spectrum that is free from anomalies. Electrical connection is achieved via a 10-32 connector jack located at the end of the hammer handle. Units feature optional TEDS capabilities (per IEEE 1451.4) for use in larger channel count applications.

Features

- Standard size, general purpose impulse hammer series
- 100-gram head weight
- Available ranges from 50 to 1,000 lbf
- Optional TEDS capabilities
- IEPE

Applications

- Machinery parts
- MIMO test
- Modal and structural analysis
- Root cause failure analysis
- General purpose use on car frames, bearing housings, brake rotors, I-beams, plates and other small-to-medium sized structures and machinery



Note: All dimensions are in inches (millimeters).

Specifications	Units	5800B2	5800B3	5800B4	5800B5
Head Weight	oz (gm)	3.53 (100)			
Housing, Head		stainless steel			
Housing, Handle		fiberglass			
Sensing Element		quartz			
Sensitivity	mV/lb (mV/N)	100 (23)	50 (11)	10 (2)	5 (1)
Range	lbf (kN)	50 (0.22)	100 (0.44)	500 (2.22)	1,000 (4.45)
Maximum Force	lbf (kN)	1,000 (4.45)	1,000 (4.45)	1,000 (4.45)	2,000 (8.90)
Electrical Connection		BNC Jack			
Recommended Accessories					
Impact Tips		One (1) model 6250A aluminum tip (supplied), one (1) model 6250P plastic tip (supplied), one (1) model 6250PS soft plastic tip (supplied)			
Cabling		Model 6055A coaxial cable assembly (sold separately)			