

S-Boom Data Sheet

The S-Boom comprises of 3 AA202 Boomer plates simultaneously triggered to transmit a single pulse. When operated with the CSP-N-1200 the S-Boom is capable of firing 3 times a second at 1,000 joules per pulse.

Producing high resolution seabed profiles, the fusion of these three transducers delivers a source level high enough to significantly increase sub-bottom penetration while maintaining a vertical resolution of better than 0.25 metres. The S-Boom is capable of operating at a maximum energy output of 1000 Joules per pulse whilst firing at 3 pluses per second. At this setting, the S-Boom has achieved penetration results of over 200ms through sand and limestone whilst delivering the high resolution records expected of boomer systems.

The CSP-N-1200 is also compatible with the Dura-Spark 240.



S-Boom triple plate Boomer.

Geomatrix now can offer the Applied Acoustics S-Boom triple plate Boomer and CSP-N-1200 power supply for rental. The S-Boom compliments our range of Geometrics MicroEel multichannel seismic streamers enabling us to field a complete ultra-high resolution seismic reflection acquisition package for construction geological surveys including shallow gas mitigation.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	170cm x 96cm x 50cm	120kg

Technical Specifications

Acoustic Source Level:	Typically 222dB re 1uPa at 2 meters with 1000J.
Pulse Length:	300 to 500uS depending upon energy applied.
Reverberation:	