INITIATION SYSTEMS
loop

GEOSHOT®

Seismic Electronic Initiation System

Properties	SDS #1152
Detonator Shell / Cable Conductors	Copper
Detonator Shell Dimensions	94 mm long / 7.5 mm O.D.
	3.7 in long / 0.29 in O.D.
Cable Color	Orange
Coiled Standard Wire Tensile Strength	>200 N / 45 lbs @ 21°C / 70°F
Spooled HD Wire Tensile Strength	>300 N / 75 lbs @ 21°C / 70°F
Wire Elongation	Maximum 25%
System Operating Temperature (range)	-40° to +80°C / -40° to +176°F
Detonator Strength	#12
Net Explosive Quantity (per 100 units)	0.10 kg / 0.22 lbs

Case Dimensions

12ft Coil	41 x 30½ x 30½ cm	16⅛ x 12 x 12 in
Coils	40 x 29 x 30½ cm	15¾ x 11½ x 12 in
Spools	31 x 30 x 27 cm	12¼ x 11⅞ x 10¾ in

Hazardous Shipping Description
• Detonators, electronic, 1.4B, UN0512

1.4 EXPLOSIVES B 1

PRODUCT DESCRIPTION

GeoShot joins the proven suite of electronic initiation systems from Dyno Nobel. This system provides enhanced safety and security for the geophysical exploration industry. GeoShot is configured with special features to meet the unique needs of drillers and data acquisition crews. GeoShot delivers accurate, rugged and reliable hardware, along with smart, easy-to-use shotpoint data collecting software for our seismic customers.

With safety always Dyno Nobel's #1 priority, the GeoShot Tagger communicates with the GeoShot detonators using a voltage below minimum firing voltage and does not contain the encoded firing command. The GeoShot SIU is the only device that can deliver the encoded firing command to the GeoShot detonator.

APPLICATION RECOMMENDATIONS

• Due to the system's flexibility, contact your local Dyno Nobel representative for Application Recommendations. ALWAYS request a copy of Dyno Nobel's Product Manual from your Dyno Nobel representative.

• ALWAYS use GeoShot system components together; components are NOT compatible with any other system.

• ALWAYS make sure the Tagger is configured to the seismic setup in order to insure correct data is captured.

• NEVER connect the detonator to the Tagger while its connected to the charger.

• NEVER force connectors into product.

• NEVER wrap the arming device cable around a radio antenna as it will cause interference.

• NEVER test more than one detonator at a time. A maximum of 5mA leakage can be tolerated.

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Product Disclaimer: Please see reverse side.

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Packaging

Length		Part Number	Unit Type	Case Quantity	Case Weight	
meters	feet				kg	lbs
3.5	12	GS44012	COIL	108	9.3	20.5
7	24	GS44024A	COIL	96	10.6	23.4
11	35	GS44035A	COIL	84	15.5	34.2
14	45	GS44045A	COIL	64	15.5	34.2
17	55	GS44055A	COIL	60	17	37.5
20	64	GS44065A	COIL	40	11.5	25.4
24	80	GS44080A	COIL	40	14	31
24	80	GS44S080	SPOOL	24	13.2	29
30	100	GS44100A	COIL	32	18	40
30	100	GS44S100	SPOOL	20	14.3	31.5
37	120	GS44120A	COIL	24	15.4	34
40	130	GS44S130	SPOOL	16	13.4	29.5
40	130	GS44130A	COIL	20	15.3	33.73
45	150	GS44150A	COIL	20	16.5	36.4
45	150	GS44S150	SPOOL	12	12	26.5
54	180	GS44180A	COIL	16	14	31
61	200	GS44S200	SPOOL	12	14.2	31.3
73	240	GS44S240	SPOOL	12	16.7	37
81	265	GS44S265	SPOOL	8	12.5	27.5

Length rounded to nearest whole meter. Other lengths available upon request.

CUSTOMER BENEFITS & UNIQUE FEATURES

Rugged and Reliable in Challenging Conditions
- High strength corrosion and water resistant copper shell detonator (passes CENTS 13763-27, the European Standards of Compliance for Electronic Detonators)
- Electronic accuracy suitable for use in the seismic industry
- Over-extruded abrasion and water resistant wire
- Field durable heavy duty Tagger
- Lightweight, firing pack compatible SIU

User Friendly
- Efficient, easy-to-deploy coiling configuration
- Easy to follow menu screens on Tagger
- One step tagging and testing
- Automated data entry, minimizing errors

Enhanced Data Management
- Enhanced GPS accuracy in Tagger
- Tagger tests and records up to 100,000 shot points
- SIU automatically tests detonator and collects important field data
- Compatible with ShotPoint Logix™ software

Safe and Secure
- SIU delivers a specific, encoded firing command required to fire GeoShot detonators
- Protected from electromagnetic plus and electrostatic discharge

TRANSPORTATION, STORAGE AND HANDLING

- GeoShot must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.

- For maximum shelf life (5 years), GeoShot must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.

GeoShot® is a trademark of DetNet® South Africa (Proprietary) Limited.

ADDITIONAL INFORMATION – Visit **dynonobel.com** for Brochures and Case Studies related to this product.

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