INITIATION SYSTEMS

DIGISHOT® PLUS.4G

Electronic Initiation System

Properties

SDS #1152

Detonator Shell	Copper— Length 88.9mm (3.5 in)
Detonator Strength	#12
Net Explosive Quantity (per 100 units)	0.10 kg / 0.22 lbs
Dynamic Shock Resistance	<=15954.15 Psi / 110 MPa
ESD Resistance	> 1 Joule Energy @ 30KV
RF Immunity	Passes CEN/TS 13763-27
Standard Wire Color	High Visbility Green
Premium Wire Color	Black with High vis. Green Stripe
Deep Hole Wire Color	High Visbility Yellow
Tensile Strength for Standard Wire	>500 N / 112 lbs
Tensile Strength for Premium Wire	>415 N / 93 lbs @ 21°C / 70°F
Tensile Strength for Deep Hole Wire	>200 N / 45 lbs @ 21°C / 70°F
Elongation for Standard Wire	~3%
Elongation for Premium Wire	~20%
Elongation for Deep Hole Wire	~25%
System Operating Temperature (range)	-40° to +80°C / -40° to +176°F
Maximum Delay	20,000 ms
Maximum Detonators per Blast	16,000 (Utilizing DigiShot Plus 4G blast Commander)
In-Hole Sleep Time Testing	21 days in water and 100% diesel mediums pressurized to 1MPa at 25°C/77°F

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

1.4 EXPLOSIVES B 1

PRODUCT DESCRIPTION

DigiShot Plus 4G is an electronic initiation system providing accurate timing benefits, multiple quick deployment methods with three robust downline wires and all-weather surface connectors. The new generation 4G detonator is fully programmable tailored to fit all types of blasting operations. The DigiShot Plus 4G electronic initiation system also provides these additional features:

• 15x more memory allowing for storing and tracking of identification numbers and GPS coordinates
• 7x faster programming
• Tag-by-plan, Tag-on-connect or assign delay directly

Standard Wire

Premium Wire

Deep Hole Wire

With safety always Dyno Nobel's #1 priority, the CE4 Tagger (used in the field for testing and tagging operations) is inherently safe in normal operating conditions and does not produce sufficient voltage or have the firing commands to fire the detonator. In addition, the DigiShot Plus 4G detonators are fully testable with 2-way communication, which facilitates easy fault identification and repair. Individual detonators, rows of detonators or the entire pattern can be tested prior to connection to the blasting equipment.

APPLICATION RECOMMENDATIONS

• Due to the system's flexibility, contact your local Dyno Nobel representative for Application Recommendations.

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Packaging

Wire Type	Product Code	Length		Case Quantity	Case Weight	
		m	ft		kg	lbs
Standard Coil	DSP42FPC020	6	20	100	11.3	24.9
Standard Coil	DSP42FPC030	9	30	84	12.9	28.4
Standard Coil	DSP42FPC050	15	50	60	14.1	30.9
Standard Coil	DSP42FPC060	18	60	52	15.2	33.5
Standard Coil	DSP42FPC080	24	80	40	15.0	33.0
Standard Coil	DSP42FPC100	31	100	32	14.9	32.8
Standard Coil	DSP42FPC120	37	120	24	13.9	29.8
Standard Coil	DSP42FPC150	46	150	20	13.7	30.2
Standard Coil	DSP42FPC180	55	180	16	14.1	31.0
Premium Coil	DSP42BPC030	9	30	84	13	28.7
Premium Coil	DSP42BPC060	18	60	48	12.9	28.4
Premium Coil	DSP42BPC080	24	80	38	13.5	29.8
Premium Coil	DSP42BPC100	31	100	32	13.7	30.2
Premium Coil	DSP42BPC120	37	120	20	10.7	23.6
Premium Coil	DSP42BPC150	46	150	20	12.6	27.8
Premium Coil	DSP42BPC180	55	180	16	12.4	27.2
Deep Hole Spool	DSP43CPS050	15	50	28	7.2	15.9
Deep Hole Spool	DSP43CPS060	18	60	28	8	17.6
Deep Hole Spool	DSP43CPS080	24	80	28	9.7	21.4
Deep Hole Spool	DSP43CPS100	31	100	28	11.4	25.1
Deep Hole Spool	DSP43CPS120	37	120	24	11.5	25.4
Deep Hole Spool	DSP43CPS150	46	150	20	11.4	25.1
Deep Hole Spool	DSP43CPS180	55	180	20	13.2	29.1

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

CUSTOMER BENEFITS

- Electronic accuracy provides better fragmentation, improved crusher throughput and decreased Peak Particle Velocity (PPV) and/or improved frequencies
- Increased Safety through remote firing
- Blast Delay Prevention and Quick Deployment with increased detonator memory and multiple wire options
- Premium Wire with its elongation and tensile properties is used where slumping holes may be a concern
- Standard Wire with its high tensile strength is used for your everyday blasting needs
- Deep Hole Wire with its spooled design, smaller oval profile, elongation and tensile properties is used in deep holes where slumping and stemming lock may be a concern

TRANSPORTATION, STORAGE AND HANDLING

- DigiShot Plus 4G 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), DigiShot Plus 4G 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.

Case Dimensions

	40.5 x 29.25 x 28.5 cm	16 x 11.5 x 11.25 in
Spools	31.1 x 30.2 x 27.3 cm	12.25 x 11.875 x 10.75 in

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

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