

digishot[®] plus

Electronic Initiation System



Product Description

DigiShot Plus is an electronic initiation system providing accurate timing benefits, quick deployment with a robust downline wire and all-weather surface connectors. DigiShot Plus is truly flexible, blaster friendly and fully programmable. As an extra benefit to the user, any delay can be assigned to any detonator and the detonators can be connected to the busline in any convenient order. The DigiShot Plus electronic initiation system also provides these additional features:

- Remote firing capability
- The ability to initiate larger blasts (up to 1800 detonators)
- BenchMark PC based blast design software enables timing patterns to be downloaded directly from the PC into the DigiShot Plus Bench Box

With safety always Dyno Nobel's #1 priority, the DigiShot Plus CE4 Tagger (used on the bench for testing and assigning row and hole number to individual detonators) is inherently safe in normal operating conditions and does not produce sufficient voltage to fire the detonator. In addition, the DigiShot Plus detonators are fully testable with 2-way communication (either on the bench or from the firing location) 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 machine

Technical Information



Properties

SDS
#1152

Detonator Shell	Copper
Cable Color	High Visibility Green
Tensile Strength for Iron Wire	>500 N / 112 lbs
Tensile Strength for Copper Wire	>200 N / 45 lbs @ 21°C / 70°F
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
Maximum Delay	20,000 ms
Maximum Detonators per Blaster	1800*
<small>*Utilizing DigiShot Plus 1800 Bench Box</small>	
Maximum Surface Wire Length	2.5 km / 8202 ft
Packaging Information on Page 2	

Hazardous Shipping Description

Detonator, electric, 1.4B, UN 00255 PG II



Customer Benefits

- **Electronic accuracy** enables customers to achieve a variety of benefits ranging from better fragmentation to improved crusher throughput to happier neighbors resulting from decreased Peak Particle Velocity (PPV) and/or improved frequencies.
- With enhanced DigiShot Plus system flexibility, the DigiShot Plus blast can be initiated 2 ways and always from a safe location: using the **remote firing** (RF) wireless feature or the more typical hard-wired initiation.
- **Easy to use**, menu-driven software.
- With Dyno Nobel's **BenchMark PC-based blast design software**, blast designs and timing can easily be transferred from the PC to the DigiShot Plus Bench Box.
- The **DigiShot Plus BenchBox** facilitates the blast design which can be pre-loaded into the Bench Box while separated from the detonators or after connection from a safe location.
- **Minimal on-bench components** ... just the electronic DigiShot Plus detonator (in the borehole) and a 2-wire busline on the pattern.
- The DigiShot Plus Tagger assigns a **detonator position** (row and hole number) to each detonator when it is loaded and tested in the borehole. The **fully programmable DigiShot Plus** system allows each detonator's delay to be determined individually but also offers an automated delay assignment process.

Transportation, Storage and Handling

- DigiShot Plus 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 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.

Application Recommendations

Due to the system's flexibility, contact your local Dyno Nobel representative for application recommendations.

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Packaging for Iron Wire

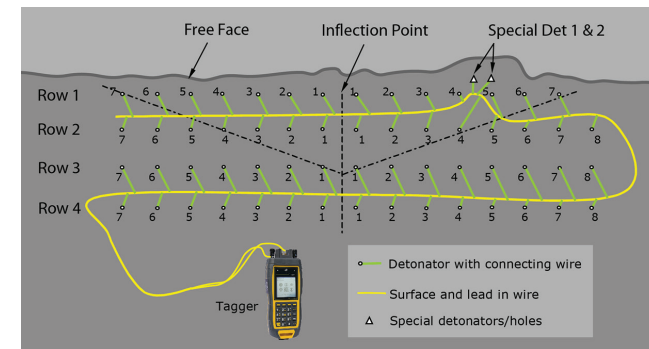
Length (m)		Case Quantity	Case Weight	
Meters	Feet		kg	lbs
6	20	100	11.3	24.9
9	30	84	12.9	28.4
15	50	60	14.1	30.9
18	60	52	15.2	33.5
20	65	40	12.3	27.1
24	80	40	15.0	33.0
31	100	32	14.9	32.8
37	120	24	13.9	29.8
46	150	20	13.7	30.2
55	180	16	14.1	31.0

Length rounded to the nearest tenth

Packaging for Copper Wire

Length (m)		Case Quantity	Case Weight	
Meters	Feet		kg	lbs
9	30	84	12.9	28.4
15	50	60	14.1	30.9
18	60	52	15.3	33.7
24	80	40	15.7	34.6
31	100	32	15.2	32.8
37	120	24	13.9	29.8
46	150	20	14.0	30.2
55	180	16	14.1	14.1
75	245	15	16.5	36.4

Length rounded to the nearest tenth



Case Dimensions

40.5 x 29.25 x 28.5 cm 16 x 11.5 x 11.25 in