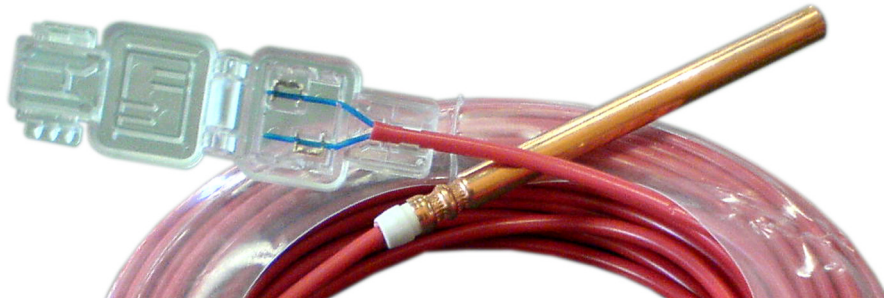




# Technical Information



## Electronic Initiation System



### Product Description

The DigiShot electronic initiation system is an innovative advance in technology, enabling users to achieve the accurate timing benefits of electronic initiation systems with robust all-weather surface connectors.

### Customer Benefits

- **Accurate timing** 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.
- **Easy to use**, menu-driven software
- **Minimal on-bench components** ... just the electronic DigiShot detonator (in the borehole) and a 2-wire busline on the pattern.
- **No delay timing input on the bench** ... makes the blast loading and hookup process easier and minimizes errors.
- **All delay timing is defined on the DigiShot Blast Box** so the pattern and timing sequence can be handled in a safe, off-bench location. Timing can even be managed, for your convenience, day(s) before the actual blast.
- **Delay timing** is the choice of the blaster: **auto-programmed** (easier, time-saving, decreased error) or **fully programmable** (facilitates the use of virtually any delay scheme).
- Multiple DigiShot Blast Boxes (**1 Master and a Slave unit**) can be used to facilitate larger blasts.

## Properties

MSDS #1152

<b>Detonator Shell</b>	Copper
<b>Cable Color</b>	Red
<b>Tensile Strength</b>	374 N 84 lbs
<b>System Operating Temperature (range)</b>	-20° to +50°C -4° to +122°F
<b>Net Explosive Quantity (per 100 units)</b>	0.1000 kg 0.2205 lbs
<b>Maximum Delay</b>	20,000 ms
<b>Maximum Detonators per Blaster</b>	450
<b>Maximum Surface Wire Length</b>	2.5 km

### Packaging

Length (m)		Case Quantity	Case Weight	
Meters	Feet		kg	lbs
9	30	84	12.9	28.4
15	50	60	14.0	30.9
18	60	50	14.6	32.2
24	80	40	15.0	33
30	100	32	14.9	32.8
37	120	24	13.5	29.8
46	150	24	16.2	35.7
55	180	18	15.5	34.2

Length rounded to nearest whole meter.

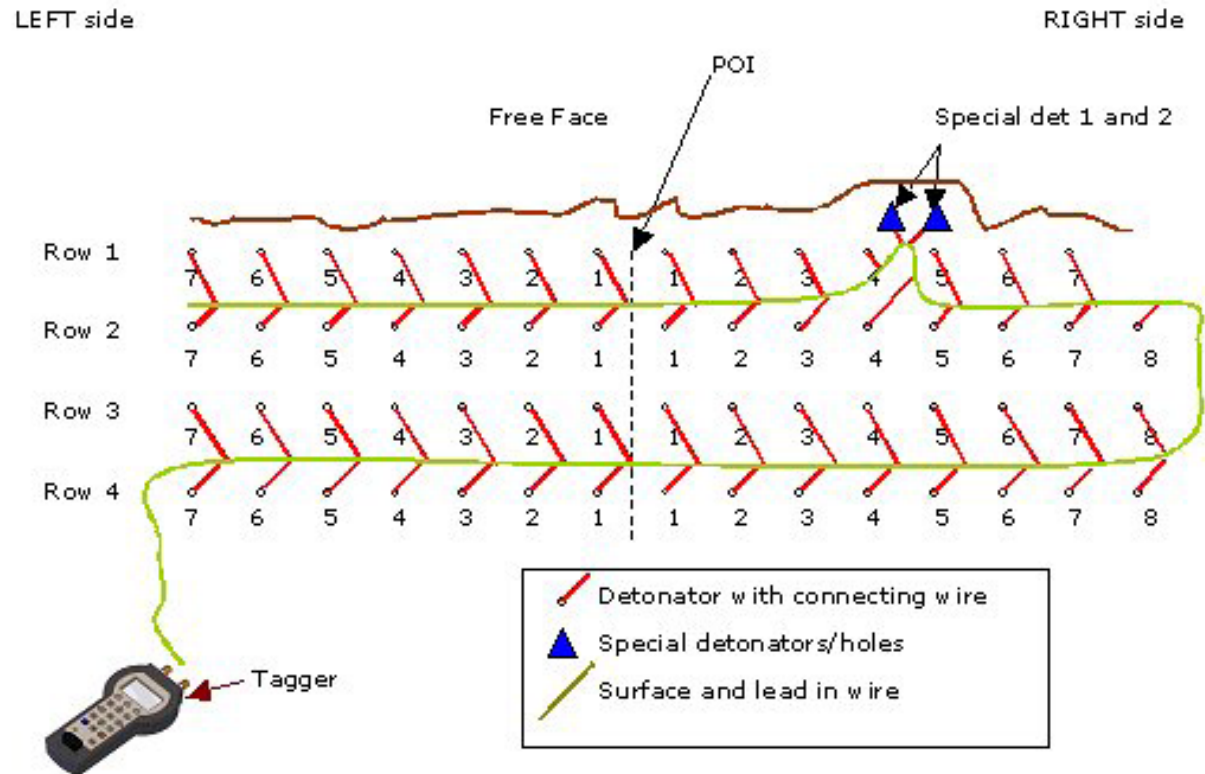
### Hazardous Shipping Description

Detonator, electric, 1.4B, UN 00255 PG II



### Unique Features

- **No Delay Assignment on the Bench** The blaster simply “tells” each detonator its location in the blast ... nothing more! The DigiShot electronic initiation system automatically checks the functionality of the detonator while concurrently assigning the detonator to its location in the pattern.
- **Tagger** The DigiShot Tagger is a unique, light-weight, blaster-friendly hand-held tool used to assign the borehole / DigiShot detonator location with minimal key strokes. The Tagger can be used to test an individual detonator, part of the pattern or the entire circuit prior to leaving the bench. The Tagger, together with the DigiShot Blast Box, enables initiation of the blast from a point of safety. Easy-to-follow screen menus lead the blaster through all on-bench and firing operations.
- **DigiShot Blast Box** The DigiShot Blast Box can program and fire the blast at any point after the desired delay timing is input. For flexibility, the delay timing can be entered **at any time** ... the day of the blast, the day before or any day at all ... whatever is easiest. And, for added security, the DigiShot Blast Box is password protected, requires a DigiShot specific blast key and uses a coded signal to fire the blast.
- The connectors are all rugged and water resistant. ESD Resistance, RF Resistance, Cable Abrasion & Cutting Resistance all pass CEN TS 13763-27, the European Standards of Compliance for Electronic Detonators.



### Application Recommendations

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

### Case Dimensions

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

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