

# TECHNICAL DATA SHEET



## DIGISHOT®

### Electronic Initiation System

#### Properties

SDS  
#1152

<b>Detonator Shell</b>	Copper
<b>Cable Color</b>	Red
<b>Tensile Strength</b>	>500 N / 112 lbs
<b>System Operating Temperature (range)</b>	-40° to +80°C / -40° to +176°F
<b>Detonator Strength</b>	#12
<b>Net Explosive Quantity (per 100 units)</b>	0.10 kg / 0.22 lbs
<b>Maximum Delay</b>	20,000 ms
<b>Maximum Detonators per Blaster</b>	300
<b>Maximum Surface Wire Length</b>	2.5 km / 8,202 ft

#### Packaging

Length		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	14.0	30.9
18	60	52	15.2	33.5
24	80	40	15.0	33.0
30	100	32	14.9	32.8
37	120	24	13.5	29.8
46	150	20	13.7	30.2
55	180	16	14.1	31.1

Length rounded to nearest whole meter

#### Hazardous Shipping Description

- Detonators, electric, 1.4B, UN0255 PG II



#### PRODUCT DESCRIPTION

The DigiShot electronic initiation system is an easy-to-use, reliable accurate electronic initiation system primarily for use in large surface blasting applications. Its flexibility caters for a wide range of specialized blast configurations to optimize blast results.



#### APPLICATION RECOMMENDATIONS

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

#### 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 blast hole) 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

Product Disclaimer: Please see reverse side.

**DYNO**  
Dyno Nobel

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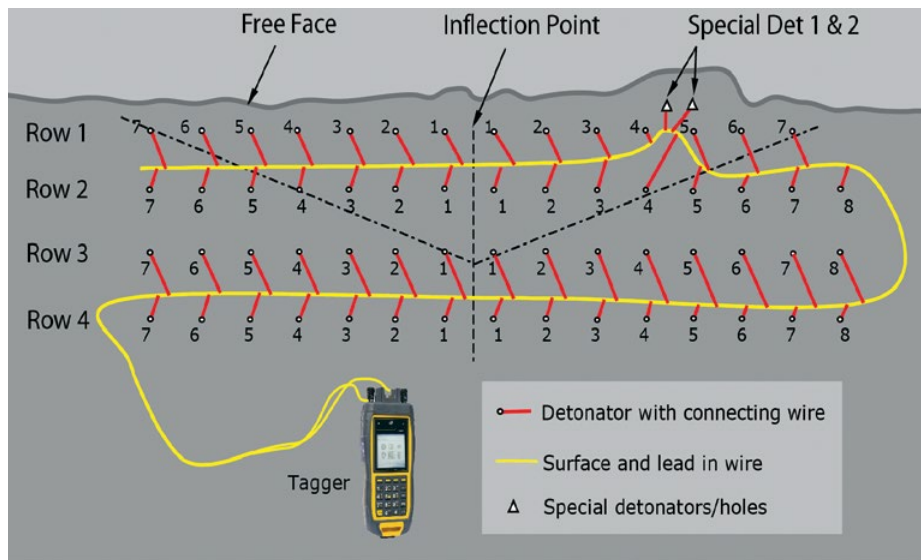
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#### Case Dimensions

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

#### Hookup Diagram



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

#### UNIQUE FEATURES

- No Delay Assignment on the Bench the blaster simply “tells” each detonator its location in the blast. The DigiShot electronic initiation system automatically checks the functionality of the detonator while concurrently assigning the detonator to its location in the pattern
- CE4 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 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 prior to the blast. 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

#### TRANSPORTATION, STORAGE AND HANDLING

- DigiShot 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 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.

**ADDITIONAL INFORMATION – Visit [dynonobel.com](http://dynonobel.com) for Brochures and Case Studies related to this product.**

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