



NONELDET® SD

Nonelectric Detonator

PROPERTIES

NONELDET® SD		
Shell Material	Aluminum Powder (pyrophoric)	
Base Charge	0.240 gr. Lead Azide	
Shock Tube Type	3 Layers	
Shock Tube Diameter	3 mm.	
Shock Tube V.O.D.	2000 m/s (±100)	
Shelf Life	2 Year	
Hydrostatic Pressure Resistance	0.3 MPa 48 hours	
Storage Temp. Limits	-20 °C	+50 °C
Shock Tube length Range^a - m	3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 100, 200, 300, 500	

a. Shock tube lengths can be manufactured upon customer request

PRODUCT DESCRIPTION

NONELDET® SD is a short-delay, non-electric surface initiation system designed to provide controlled delay intervals between blast holes in surface applications.

The system is available in six delay intervals ranging from 9 ms to 150 ms, allowing flexibility in surface blast sequencing. The high precision of the delay element minimizes deviation between nominal and actual detonation timing. The three-layer shock tube is engineered to withstand tensile forces, abrasion, and impact. Detonator caps are assembled onto the tube using a waterproof method, and the opposite tube end is sealed by ultrasonic welding, ensuring high resistance to moisture and adverse environmental conditions.

The ergonomic connector block enables safe, fast, and efficient connection of up to six shock tubes, supporting improved operational efficiency in field conditions.

APPLICATION RECOMMENDATIONS

NONELDET® SD is utilized as a surface connection detonator across all surface blasting operations, including metal and coal open pit mines, large-scale excavation works, industrial mineral and aggregate quarries, and civil and infrastructure construction projects, where accurate surface delay intervals, reliable signal transmission, and robust moisture-resistant components are required to ensure controlled blast sequencing and safe, high-efficiency field performance.

HAZARDOUS SHIPPING DESCRIPTION

Detonator Assemblies, non-electric for blasting Class 1.4B UN0361



HAZARDOUS SHIPPING DESCRIPTION

Detonator Assemblies, non-electric for blasting Class 1.4S UN0500



Product Disclaimer: Please see reverse side.

**DYNO
NOBEL®**



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PROPERTIES

NONELDET® SD

Delay No ^a	Delay Time (ms)	Block Color
1	9	Green
2	17	Yellow
3	25	Red
4	42	White
5	65	Blue
6	100	Orange
7	150	Pink

a. 1 & 7 delay numbers are project specific

DIMENSIONS

NONELDET® SD/LP/MS/EZDET	Box Dimensions L x W x H
1.4B UN0361	530 x 340 x 250 mm
1.4S UN0500	537 x 347 x 287 mm

TRANSPORTATION, STORAGE AND HANDLING

Handling

- Product must be handled only by authorized personnel.
- Keep explosives under supervision and inaccessible to unauthorized individuals.
- Protect from heat, physical impact, and friction.
- Transport the product in full compliance with applicable local and national regulations and authority guidelines.
- Strictly prohibit smoking, open flames, sparks, and welding operations in the vicinity.
- Do not transport together with flammable materials or other explosives.

Storage

- Store in a cool, dry, and well-ventilated area.
- Maintain full compliance with local and national storage regulations and official directives.
- Recommended storage conditions: -20°C to +50°C, RH 50%.
- Smoking, open flames, sparks, and welding are strictly prohibited in storage areas.
- Do not store together with explosives, flammable substances, or ignition sources.
- Protect the product from strong mechanical shock.
- Apply proper grounding procedures to prevent electrostatic accumulation hazards.

Safety Instructions

- Detonators classified as dangerous goods may cause harm to people and the environment if not stored, handled, or used correctly.
- All storage, handling, and usage must follow applicable laws, regulations, and safety standards.
- When NONELDET® systems are used in combination with products from other manufacturers, the manufacturer does not guarantee performance or outcome.



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

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