



NONELDET[®] MS

Nonelectric Detonator

PROPERTIES

NONELDET [®] MS	
Shell Material	Aluminum Powder (pyrophoric)
Base Charge	0.885 gr. PETN and Lead Azide,
Strength	No : 8
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	4, 6, 8, 10, 12, 15, 18, 20, 25, 30, 40, 50

a. Shock Tube Length can be manufactured upon customer request

PRODUCT DESCRIPTION

NONELDET[®] MS is a non-electric initiation system engineered to deliver accurate in-hole delay timing for surface blasting applications. The detonators provide No.8 strength and are available in 17 delay intervals ranging from 25 ms to 600 ms. The high precision of the delay element minimizes deviation between nominal and actual detonation timing.

The three-layer shock tube is designed for resistance to tensile loading, abrasion, and impact. Detonators are mounted onto the tube using a waterproof assembly method, and the opposite tube end is sealed by ultrasonic welding, ensuring strong protection against moisture and adverse environmental conditions.

APPLICATION RECOMMENDATIONS

NONELDET[®] MS is employed as an in-hole detonator across all surface blasting operations, including metal and coal open pit mines, large-scale excavation works, industrial mineral and aggregate quarries, and a wide range of civil and infrastructure construction projects, where precise delay timing, consistent initiation performance, and high-durability components are required to ensure controlled fragmentation, optimized blast sequencing, and safe field operations.

HAZARDOUS SHIPPING DESCRIPTION

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



HAZARDOUS SHIPPING DESCRIPTION

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



Product Disclaimer: Please see reverse side.





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Period No	Delay Time (ms)	Period No	Delay Time (ms)
1	25	12	350
2	50	13	400
3	75	14	450
4	100	15	500
5	125	16	550
6	150	17	600
7	175		
8	200		
9	225		
10	250		
11	300		

* All delays except 500ms are project specific and sourced on a base of the separate order.

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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