



# NONELDET® LP

## Nonelectric Detonator

### PROPERTIES

NONELDET® LP	
<b>Shell Material</b>	Aluminum Powder (pyrophoric)
<b>Base Charge</b>	0,885 gr PETN and Lead Azide
<b>Strength</b>	No : 8
<b>Shock Tube Type</b>	3 Layers
<b>Shock Tube Diameter</b>	3 mm.
<b>Shock Tube V.O.D.</b>	2000 m/s (±100)
<b>Shelf Life</b>	2 Year
<b>Hydrostatic Pressure Resistance</b>	0.3 MPa 48 hours
<b>Storage Temp. Limits</b>	-20 °C      +50 °C
<b>Shock Tube length Range<sup>a</sup> - m</b>	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 18, 20, 25, 30

**a. Shock Tube Length can be manufactured upon customer request**

### PRODUCT DESCRIPTION

NONELDET® LP is a non-electric initiation system engineered to deliver precise in-hole delays for underground blasting applications. The detonators provide No.8 strength and are available in 26 delay intervals ranging from 100 ms to 9000 ms, offering broad flexibility for blast design requirements. The high accuracy of the delay element minimizes deviation between nominal and actual detonation timing.

The three-layer shock tube is designed to withstand tensile forces, abrasion, and impact. Detonator caps are mounted to the tube in a fully waterproof configuration, and the opposite end of the tube is sealed using ultrasonic welding. These features ensure strong resistance to moisture and harsh underground environments.

The ergonomic clip design enables safe, fast, and efficient attachment to detonating cord, supporting improved operational performance.

### APPLICATION RECOMMENDATIONS

NONELDET® LP is utilized across all underground blasting applications, including metal mining development and production, tunnel excavation and advance rounds, shaft sinking operations, and other confined underground environments where precise in-hole delay timing, reliable initiation performance, and moisture-resistant components are required to achieve controlled fragmentation and safe blast sequencing.

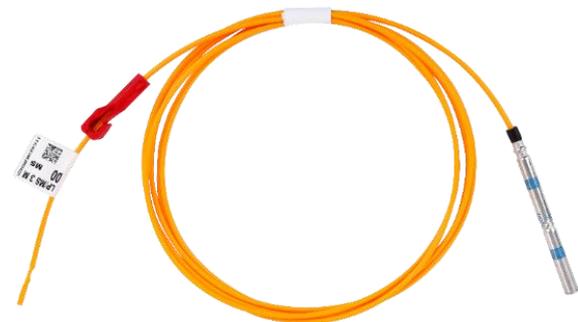
### HAZARDOUS SHIPPING DESCRIPTION

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.

**DYNO  
NOBEL®**



## NONELDET® LP

### Nonelectric Detonator

#### PROPERTIES

##### NONELDET® LP

Period No	Delay Time (ms)	Period No	Delay Time (ms)
1	100	14	1800
2	200	15	2000
3	300	16	2500
4	400	17	3000
5	500	18	3500
6	600	19	4000
7	700	20	4500
8	800	21	5000
9	900	22	5500
10	1000	23	6000
11	1200	24	7000
12	1400	25	8000
13	1600	26	9000

#### 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](http://nitromak.com) or [dynonobel.com](http://dynonobel.com) for Brochures and Case Studies related to this product.

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