MAXNEL LP Non-Electric Detonators

TECHNICAL DATA SHEET – INITIATION SYSTEMS

MAXNEL LP
Long Period Delay Non-Electric Detonators

MAXNEL LP non-electric detonators consist of a high-energy detonator, a T-connector and a length of shock tube of varying length. Connections to the detonating cord are made more easily with the T-connector. The delay time for MAXNEL LP is noted on the tag and the delay time and number is also printed prominently on the T-connector.

APPLICATION

MAXNEL LP non-electric detonators are suitable for use in blasting operations of surface and underground mining, quarry and construction projects, where there is no existing explosion hazard of either methane or mine dust.

INSTRUCTIONS FOR USE

- The detonator cannot be used in blasting operations where there is any risk of explosion hazard relating to methane.
- During operations care must be taken when handling the shock tube to prevent damage caused by friction,
- When the T-connector block is connected to the blasting network, the T-connector should be no less than 20cm from the end of the shock tube to avoid slipping and loss of connection.

PHYSICAL PROPERTIES

Authorised Shipping Name	DETONATOR ASSEMBLIES, NON-ELECTRIC, for blasting
Initiating Power	No.8 Detonator
Functional Temperature Range	-40°C ~ +60ºC
Water Resistance	Immersed underwater at 20m for 72 hours, will function reliably.
Oil Resistance	Immersed in #0 diesel oil at 80ºC and 0.3MPa pressure for 72 hours, will function reliably
Tensile Force	When pulled with 70N tensile force for one minute, all parts will remain connected.
T-type Connector Block	Only to be used for connecting detonating cord
Explosive Class 1.1B	UN Number: UN 0360

STORAGE AND HANDLING

During handling and transportation, the product should be handled with great care, and should never be dropped, knocked or subjected to any impact. It should always be stored away from sources of heat in a dry, cool, well-ventilated magazine. The shelf life of this product is ten (10) years when stored correctly.

DELAY NUMBER AND NOMINAL TIMES

NUMBER	TIME (MS)	NUMBER	TIME (MS)
1	500	10	3500
2	800	11	3900
3	1100	12	4400
4	1400	13	4900
5	1700	14	5400
6	2000	15	5900
7	2300	16	6500
8	2700	17	7200
9	3100	18	8000

STANDARD PACKAGING GUIDELINES

SHOCK TUBE LENGTH (M)	PIECES / CASE
4.8	85
6.0	75
24.0	20
Case Dimension: 360 x 270 x 225mm.	

MAXNEL LP non-electric detonators are packed into sealed plastic bags, which are packed into fibreboard cases.

SAFETY

First Aid - Please refer to the Safety Data Sheet for MAXNEL LP Detonators, Nitro Sibir Ref. IS04.

Safety – All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property.

TDS: IS05 VERSION: 7.0 LAST UPDATED: 06/21

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