

# MAXNEL MS Non-Electric Detonators



## TECHNICAL DATA SHEET – INITIATION SYSTEMS

### MAXNEL MS

#### Millisecond Delay Non-Electric Detonators

MAXNEL MS 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 MS is noted on the tag and the delay time and number is also printed prominently on the T-connector.

### APPLICATION

MAXNEL MS 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, breakage, burning or cutting.
- 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 ~ +60°C
Water Resistance	Immersed underwater at 20m for 72 hours, will function reliably.
Oil Resistance	Immersed in #0 diesel oil at 80°C 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 two (2) years when stored correctly.



### DELAY NUMBER AND NOMINAL TIMES

NUMBER	TIME (MS)	NUMBER	TIME (MS)
0	0	13	325
1	25	14	350
2	50	15	375
3	75	16	400
4	100	17	425
5	125	18	450
6	150	19	475
7	175	20	500
8	200	21	600
9	225	22	700
10	250	23	800
11	275	24	900
12	300	25	1000

### STANDARD PACKAGING GUIDELINES

SHOCK TUBE LENGTH (M)	PIECES / CASE
3.6	80
4.8	80
6.0	75
7.2	70
9.0	65
12.0	40
15.0	35
18.0	30
24.0	20

Case Dimension: 380 x 250 x 255mm.

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

### SAFETY

**First Aid** - Refer to the Safety Data Sheet for MAXNEL MS Non-Electric 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: IS04

VERSION:2.0

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