MAXNEL Trunkline Non-Electric Detonators

TECHNICAL DATA SHEET – INTIATION SYSTEMS

MAXNEL Trunkline Non-Electric Detonators

MAXNEL Trunkline shock tube detonators consist of a low-energy detonator, a C-connector and a length of shock of varying length. The low-energy detonator is characterised by the moderate initiating power, with no damage to the blasting network after initiation. The C-connectors make building the network easier, and initiation more reliable.

APPLICATION

MAXNEL Trunkline is used in conjunction with MAXNEL MS and MAXNEL LP to form a flexible blasting network, providing a precise surface time delay. MAXNEL Trunkline is suitable for use in blasting operations of surface and underground mining, quarry and construction projects, where there is no explosion hazard from methane.

INSTRUCTIONS FOR USE

- The C-connector block is designed to initiate from one (1) to six (6) correctly connected shock tubes, in two (2) directions.
- The shock tubes must be correctly inserted into the C-connector block. Each tube is to be inserted one at a time to a maximum of six (6) shock tubes.

PHYSICAL PROPERTIES

Authorised Shipping Name	DETONATOR ASSEMBLIES, NON-ELECTRIC, for blasting
Initiating Power	No. 3 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
C-type Connector Block	Holds a maximum of six (6) shock tubes
Pull Out Force	When pulled with 20N tensile force for one minute, all parts will remain connected
Explosive Class 1.4S	UN Number: UN 0500

DELAY NUMBER AND NOMINAL TIMES

BLOCK COLOUR	TIME (MS)	BLOCK COLOUR	TIME (MS)
Green	9	White	42
Yellow	17	Blue	67
Red	25	Orange	109
Purple	35	Lime Green	176

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.

STANDARD PACKAGING GUIDELINES

TUBE LENGTH (M)	UNITS / CASE
3.6	90
4.8	80
6.0	70
7.2	60
9.0	50
12.0	40

MAXNEL Trunkline non-electric detonators are packed into sealed plastic bags, which are then packed into fibreboard cases. Case dimensions are 360 x 270 x 225mm.

SAFETY

First Aid - Please refer to the Safety Data Sheet for Class 1.4S MAXNEL Trunkline, Nitro Sibir Ref. IS11.

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: IS13 VERSION: 2.0 LAST UPDATED: 07/21

---- END OF TDS ----