

# MAXSTART Non-Electric Lead In Lines



## TECHNICAL DATA SHEET – INITIATION SYSTEMS

### MAXSTART Non-Electric Lead In Lines

MAXSTART Non-Electric Lead In Lines consist of a low-energy detonator, a C-connector and a length of shock tube. The low energy detonator is characterized by moderate initiating power, with no damage to the blasting network after initiation.

### APPLICATION

MAXSTART non-electric lead in lines are used to initiate a non-electric blast pattern from a safe distance.

The C-connector is attached to the surface-blasting network at the designated point of initiation and the lead in line is then unwound to the designated firing point.

MAXSTART non-electric lead in lines can be connected together in order to achieve the designated safe blasting distance.

MAXSTART non-electric lead in lines are suitable for use in blasting operations, both underground and surface mining, quarry and construction projects, where there is no explosion hazard from methane.

### INSTRUCTIONS FOR USE

- 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 0.3 MPa pressure for 72 hours, will function reliably
Tensile Force	When pulled with 70N tensile force for one minute, all parts will remain connected
C-Type Connector Block	Holds maximum of 6 shock tubes.
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.

MAXSTART non-electric lead in lines should always be stored away from sources of heat in a dry, cool, well-ventilated magazine that is licensed and used for detonators only. The shelf life of this product is ten (10) years when stored

### STANDARD PACKAGING GUIDELINES

TUBE LENGTH (M)	UNITS / CASE
60	10
300	4
500	2
600	2
700	1
800	1
900	1

Case Dimensions: 340 x 340 x 290mm

MAXSTART non-electric lead in lines are packed into sealed plastic bags, which are packed into fibreboard cases.

### SAFETY

**First Aid** – Please refer to the Safety Data Sheet for MAXSTART non-electric lead in lines, Nitro Sibir Australia Ref. IS05.

**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. Explosives should only be handled by persons with the appropriate technical skills, experience, training and licences.



TDS: IS06

VERSION: 5.0

LAST UPDATED: 06/21

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