

NONEL[®] MS HT

Technical
Information



Description

The NONEL MS HT shock tube / detonator assembly is a millisecond, high strength delay unit specifically designed for use in high in-hole temperatures up to 70°C.

Application

The MS HT assembly provides a reliable downhole initiating system appropriate for high in-hole temperature applications.

Properties

High strength detonator	No 12 strength
Tube colour	Orange
Tube diameter (mm)	3.0 (STD)
Velocity of detonation (m/s)	2100 +/- 300

Hazardous Shipping Description

Detonator assemblies, Non-electric for blasting,
UN 0360, 1.1B



Features & Benefits

- The NONEL MS HT detonator provides resistance to high in-hole temperatures.
- The NONEL Supertube™ shock tube is easily deployed and enables longer sleep times down the hole due to increased resistance to oil migration into the tube at elevated in-hole temperatures.
- The NONEL MS HT assembly has a colour-coded cord clip printed with the detonator delay timing for ease of use and identification in the field

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Recommendations

Use - It is recommended that the MS HT detonator be used as a single inhole delay in conjunction with the EZTL[™] detonator surface initiation system. This will provide adequate downhole delay time in most blasting applications. The MS HT detonator can also provide hole-by-hole delay sequencing by utilising the downhole delay in conjunction with detonating cord and MS Connectors[™]. It is recommended to use either 3.6 g/m or 5 g/m detonating cord to initiate the NONEL tube.

Water Resistance - The MS HT detonator provides high water resistance.

Temperature Range - The MS HT detonator can be safely used in temperatures ranging between -40 °C and + 70°C.

Shelf Life - The NONEL MS HT detonator has a recommended shelf life of three (3) years, when transported and stored under ideal conditions. Accuracy of delay detonators may deteriorate with age and stocks should be rotated regularly.

Sleep Time - The sleep time of the MS detonator series is dependent on the temperature and type of explosive in contact with the unit. Please contact your Dyno Nobel representative for further information.

Safe handling, transportation and storage

First Aid – You can find detailed first aid information on the relevant Dyno Nobel Safety Data Sheet. Refer to www.dynonobel.com for more information if required.

Safety - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

Transportation and Storage - All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

Packaging

Length (m)	Units / Case	Configuration
12	75	Coiled (Detpak)
15	75	Coiled (Detpak)
24	30	Spool

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