# TECHNICAL DATA SHEET

## NONEL® SL

### Nonelectric Short Lead Delay Detonator

## Properties

SDS #1122

**Net Explosive Content** per 100 units

0.0885 kg
0.1951 lbs

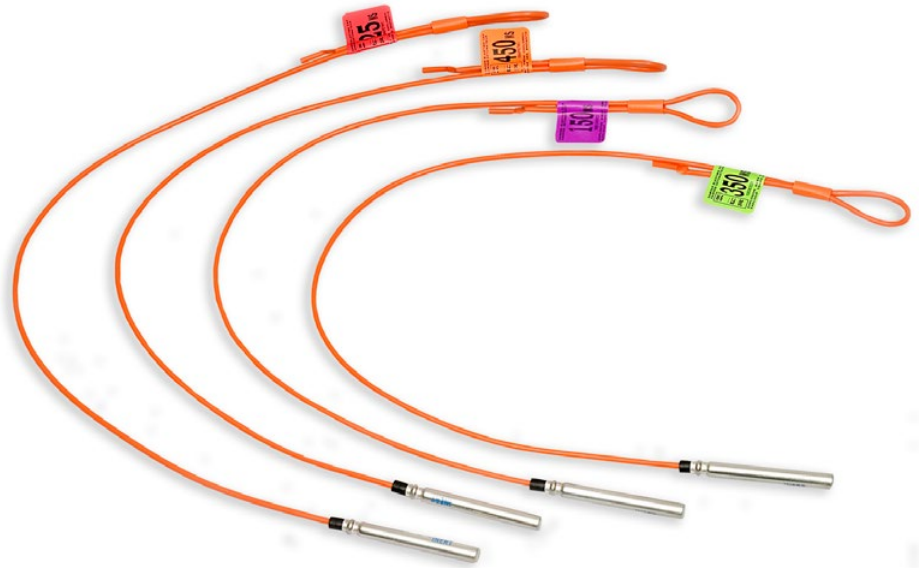
| Delay Time msec | Delay Tag Color | Delay Time msec | Delay Tag Color | Delay Time msec | Delay Tag Color |
|---|---|---|---|---|---|
| 25 | Red | 250 | Red | 475 | White |
| 50 | Tan | 275 | White | 500 | Purple |
| 75 | Green | 300 | Tan | 525 | White |
| 100 | Blue | 325 | White | 600 | Gray |
| 125 | Orange | 350 | Green | 700 | Lt Blue |
| 150 | Purple | 375 | White | 800 | Red |
| 175 | Gray | 400 | Blue | 900 | Tan |
| 200 | Lt. Blue | 425 | White | 1000 | Green |
| 225 | White | 450 | Orange | | |

**Hazardous Shipping Description**
- Detonator assemblies nonelectric, 1.1B UN 0360 PG II


## PRODUCT DESCRIPTION

NONEL SL units consist of a 76 cm (30 in) length of orange shock tube sealed and looped at one end with a detonator at the other end. The loop facilitates easy attachment to the end of a detonating cord downline. Color-coded delay tags display the nominal firing time prominently.

NONEL SL detonators are primarily used for those surface and underground (non-coal) blasting applications that require multiple explosive decks in a single borehole. They are also used to provide in-hole delays in blasting applications where detonating cord is used as the primary initiation system. As such, NONEL SL units are designed to be used in conjunction with a low strength detonating cord downline.



## APPLICATION RECOMMENDATIONS

- For detailed application recommendations, ALWAYS request a copy of Dyno Nobel's Product Manual: NONEL® and PRIMACORD® from your Dyno Nobel representative.
- ALWAYS design blasts so all (or as many as possible) surface delays are ignited before blast-induced ground movement begins. In situations where this is not possible, select NONEL SL detonator delay times with firing times that allow unignited surface delays to be as far as possible from the initiation point of the blast.



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**Nonelectric Short Lead Delay Detonator**

## Properties Cont.

### Packaging

| Quantity / Case | Hazard Class | Case Type |
|---|---|---|
| 160 | 1.4B* | B |
| 250 | 1.1B | B |

* Available in US only

• Case weight varies by delay; see case label for exact weight.

### Case Dimensions

| | | |
|---|---|---|
| B | 41 x 30 x 21 cm | 16 x 12 x 8 3/8 in |

### APPLICATION RECOMMENDATIONS - continued

- ALWAYS use a 1.5 to 4 g/m (7.5 to 18 gr/ft) detonating cord downline with the NONEL SL unit when making a conventional primer assembly
- ALWAYS use detonating cord with a coreload between 3 and 5 g/m (15 and 25 gr/ft) when using the NONEL SL and TROJAN® SPARTAN® Slider booster as a slider primer assembly. Lower or higher coreload detonating cords are not recommended. Lower coreload detonating cord may cause the detonator to misfire. Higher coreload detonating cords may circumvent the detonator delay or damage the booster prior to initiation by the detonator
- NEVER cut or trim seals from the shock tube of the NONEL SL unit

### TRANSPORTATION, STORAGE AND HANDLING

- NONEL SL must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations
- For maximum shelf life (3 years), NONEL SL must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet “Prevention of Accidents in the Use of Explosive Materials” packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives

**ADDITIONAL INFORMATION –** Visit **dynonobel.com** for Brochures and Case Studies related to this product.



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