

NONEL[®] SUPER[™] EZ DET[®] 1.4B

Technical
Information



Nonelectric Blast Initiation System



Product Description

NONEL SUPER EZ DET are the world's most accurate nonelectric delay detonators utilizing the combination of a superior pyrotechnics composition with an advanced processing technology.

NONEL SUPER EZ DET can easily be connected to one another to satisfy basic blast design requirements in construction, mining, and quarry operations. In addition, NONEL SUPER EZ DET units can be used in combination with NONEL MS, NONEL SUPER MS, NONEL EZTL[™], NONEL EZ DET[®], and/or NONEL TD detonators to satisfy complex blast design requirements and minimize inventory of initiation system components.

The NONEL SUPER EZ DET consists of a length of orange shock tube with a surface detonator attached to one end, and a high strength in-hole detonator on the other. The surface detonator is housed in the new SUPER EZ Connector which accommodates up to 6 shock tubes and requires virtually no insertion pressure. The SUPER EZ Connector features a locking head that correctly positions the shock tubes for reliable initiation as well as providing an audible and visual indication that the connection is correct. Easy-to-read, color-coded delay tags display the delay number and nominal firing time prominently.

Application Recommendations

- **ALWAYS** select a sufficiently long NONEL SUPER EZ DET to extend from the planned primer location in the borehole to the collar of the next hole..

Properties

MSDS
#1122

Net Explosive Content per 100 units

High Strength

0.1175 kg
0.2590 lbs

Nominal Time (msec)	Delay Code	Connector Block Color
17 / 475	DD	Yellow
25 / 475	AD	Red
17/500	DF	Yellow
25/500	AF	Red
42/500	FF	White

Hazardous Shipping Description

Detonator assemblies nonelectric,
1.4B, UN 0361 PG II



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Application Recommendations (continued)

- **ALWAYS** protect the SUPER EZ Connector block and all shock tube leads from impact or damage during loading and stemming operations. Use care when placing blasting mats and cover material on top of the blasting circuit. The Connector block contains a detonator and is subject to detonation caused by abuse such as impact. Shock tube which has been cut, ruptured or damaged may cause misfires.
- **ALWAYS** ensure that the shock tube(s) are securely inserted, one at a time, into the super EZ Connector block. After all shock tube(s) are properly positioned, lock the shock tube(s) into the super EZ Connector block by closing the head over the entry point.
- **ALWAYS** ensure that individual shock tubes remain aligned side by side in the connector channel and do not cross one over the another during insertion.
- **NEVER** use NONEL SUPER EZ DET units with detonating cord. The low strength surface detonator will not initiate detonating cord and may cause misfires.
- **NEVER** attempt to disassemble the delay detonator from the plastic super EZ Connector block or use the detonator without the connector.
- **NEVER** place more than 6 shock tube leads into the plastic super EZ Connector block. Misfires may result.
- **NEVER** pull, stretch, kink or put tension on shock tube such that tube could break.
- **NEVER** splice shock tube together.
- **NEVER** connect NONEL SUPER EZ DET units together until all holes have been primed, loaded and stemmed and the blast site has been cleared.

Transportation, Storage and Handling

- NONEL SUPER EZ Det 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 SUPER EZ Det 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.

Packaging

Length		Product Code ^a	Case Type	Quantity / Case	
m	ft			case	sub
7	24	SDS--H24	D	90	45
9	30	SDS--H30	D	60	30
12	40	SDZ--H40	D	60	30
15	50	SDZ--W50	MA	44	--
18	60	SDZ--W60	MA	44	--
24	80	SDZ--W80	MA	40	--
30	100	SDZ--WM0	MA	30	--
37	120	SDZ--WM2	MA	30	--

- Length rounded to nearest one-half meter.
- Case weight varies by length & delay; see case label for exact weight.
- All NONEL SUPER manufactured with NONEL Supertube.
- ^a Fill "--" in Product Code with Delay Code to complete Product Code.

Case Dimensions

Mod A (MA)	31 x 63 x 29 cm	12.25 x 24.875 x 11.375 in
Detpak (D)		
subpack	44 x 22 x 25 cm	17.5 x 8.75 x 10 in
strapped case	44 x 45 x 25 cm	17.5 x 17.625 x 10 in

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