

# NONEL<sup>®</sup> EZ DET<sup>™</sup>

Nonelectric Blast Initiation System



## Product Description

**Nonelectric Delay Detonator NONEL EZDET** units consist of a length of orange shock tube with a surface detonator attached to one end and an in-hole, High Strength, detonator on the other. The surface detonator is inside a color-coded plastic EZ Connector block to facilitate easy connections to up to 6 shock tube leads. Easy-to-read, color-coded delay tags display the delay number and nominal firingtime prominently.

NONEL EZDET units can be easily connected to one another to satisfy basic blast design requirements in construction, mining, and quarry operations. They can also be used in combination with NONEL MS, NONEL EZTL and/ or NONEL TD detonators to satisfy complex blast design requirements and minimize inventory of initiation system components.



## Technical Information

### Properties

**Net Explosive Content per 100 units** (Excluding Shock Tube) 0.0810 kg  
0.1782 lbs

Net Explosive Content per 100,000 m shock tube 0.1043kg  
0.2299 lbs

Nominal Time (msec)	Nominal Time (msec)	Connector Block Color
17 / 350	17 / 500	Yellow
25 / 350	25 / 500	Red
42 / 350	42 / 500	White
25 / 375		Red

### Hazardous Shipping Description

Detonator assemblies nonelectric,  
1.4B, UN 0361 PG II  
1.1B, UN 0360 PG II



I-40-1-25-08  
See Product Disclaimer on next page.



TENAGA KIMIA SDN BHD (26191 A)

*Your Partner with*  
**TOTAL BLASTING SOLUTION**

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### Application Recommendations

**ALWAYS** select a NONEL EZDET unit having more than enough tubing length to extend from the planned primer location in the borehole to the collar of the next hole.

**ALWAYS** protect the plastic EZ Connector block and all shock tube leads from impact or damage during the loading and stemming operations. Use care when placing blasting mats and cover material on top of the blasting circuit. The EZ 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** be sure that the shock tube(s) are securely inserted, one at a time, into the EZ Connector block. The head of the EZ Connector block should rise to accept the shock tube and return to a closed position with an audible click.

**ALWAYS** ensure that individual shock tubes remain aligned side by side in the connector channel and do not cross one over the another on insertion.

**NEVER** use NONEL 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 EZ Connector block or use the detonator without the connector.

**NEVER** place more than 6 shock tube leads into the plastic EZ Connector block. Misfires may result.

**NEVER** pull, stretch, kink or put tension on shock tube such that the tube could break.

**NEVER** splice NONEL EZ DET shock tube together to extend between holes.

### Transportation, Storage and Handling

NONEL EZDET must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.

For maximum shelf life (2 years), NONEL 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.



## Technical Information

### Packaging

Length		Case Type		Quantity/ Case	
m	ft	1.4B	1.1B	1.4B	1.1B
6	20	S	L	50	180
7	24	S	L	40	150
9	30	S	L	40	150
10	34	S	L	30	120
12	40	S	L	30	120
15	50	S	L	30	100
18	60	S	L	25	100
21	70	L	L	90	90
24	80	L	L	90	90
30	100	L	L	75	75
36	120	L	L	75	75

- Length rounded to nearest one-half meter.
- Case weight varies by length & delay; see case label for exact weight.

### Case Dimensions

**S** - 460 x 230 x 255 mm

**L** - 640 x 320 x 430 mm

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