



**Nonel**  
Non Electric  
Detonator

Great Velocity of detonation  
and greater sensitivity and  
a longer shelf life



Explosives Services for  
General Mining  
Quarry and Construction  
Oil and Gas

PT DAHANA (Persero)

Head Office & Factory  
Jl. Letkol Basir Surya PO. Box 117  
Tasikmalaya 46196  
Telephone : +62 265 331 853  
Facsimile : +62 265 334 114

Jakarta Office  
Menara MTH, Lt.17  
Jl. MT. Haryono Kav.23  
Jakarta 12820  
Telephone : +62 21 837 823 17  
Facsimile : +62 21 837 823 27

Unit Usaha Sumur Barang  
Jl. Raya Subang - Cikamurang  
PO. BOX 17 Cibogo  
Subang 41285  
Telephone : +62 260 7705010  
Facsimile : +62 260 416971

[www.dahana.com](http://www.dahana.com)  
[corporate@dahana.com](mailto:corporate@dahana.com)



## “Serving Your Company Better”



### DESCRIPTION

Introducing the new product, Dayadet Non Electric Detonator. Using reliable technology from African Explosives Ltd (AEL), this product has excellent performance for either open pit and underground blasting operation, also quarries and civil works.

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### DAYADET BENCHMASTER

for opencast/openpit mines, quarries, and civil works, used for inhole delay detonators. Offers accurate and precise pyrotechnic delay timing high strength detonator.

### DAYADET TRUNKMASTER

For surface mines, quarries and civil works, to provide additional delay options within or between blasting patterns. Offers a six-tube capacity for blocks and the blocks are colour-coded by delay.

### DAYADET TUNNEL MASTER

For development tunneling and underground mines. Features 20 different long-period delays and as the delay is already in the hole, it does not need to be tied up in a certain method.

### DAYADET NOISE MASTER LEAD-IN

For opencast/open pit mines, quarries, and civil works, used for initiate the blast, offers various length of shocktube as you need.

### THE FEATURES OF DAYADET NONEL

- Shock tube is immune to radio frequency radiation, stray current and static discharge.
- It is a single-component system with quick and easy connections.
- there is a reduced fire risk - shock tube can only be initiated by shock and cannot accidentally be initiated by open flame.
- As it doesn't burn with an open flame, it doesn't produce smoke or noxious fumes.
- It offers reduced noise.

### THE BENEFITS OF DAYADET NONEL

- Accurate timing gives the benefits of sequential firing-improved burning front, increased face advance, improved stoping width and hanging wall condition.
- It offers simple inventory control
- it has colour-coded and highly visible components for ease of identification and safety.



| Parameter                                | Testing       | Specification                                   |
|--|---------------|---|
| Misfire Rate                             | Routine       | Max of 1 misfire for 50,000 units produced      |
| Water Resistance                         | Qualification | No failures                                     |
| Shock Tube Length                        | Routine       | +5% and -5 % of the nominal length              |
| Detonator Pull-out                       | Qualification | Not less than 100 N from Trunkmaster block      |
| Shock tube pull out                      | Qualification | Not less than 80 N from detonator               |
| Shock tube internal diameter under crimp | Routine       | Not less than 0.6 mm                            |
| Ultrasonic Seal Integrity                | Routine       | The seal is to be whole with no breaks or leaks |



### Crimp

The sealant crimp used on the detonator prevents ingress of water or oil, giving quality and safety benefits.

### Sleeve

Sleeve used a conductive sleeve to dissipate stray electrical charges to the aluminium tube walls to prevent accidental initiation.

### PETN

A shaped PETN charge allows for the lead azide to be encased inside the PETN. This improves the impact sensitivity of the detonator and ensures optimal initiation of the PETN.

### Aluminium shells

Aluminium shells retain their integrity and don't rust. Aluminium is used to prevent accidental initiation of splitting.



### DISCLAIMER

All information contained in this Data Sheet is as accurate and as up to date as possible. Since DAHANA cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. DAHANA will not be responsible for damage of any nature resulting from the use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Government.