

Solar DET

NON ELECTRIC SURFACE TRUNK LINE DETONATOR

Safety • Quality • Reliability

For Use in Underground, Opencast,
Quarrying and Construction



Description & Application

SOLAR DET Surface Trunk Line detonator consists of 3-Layered shocktube having internal coating of HMX compound & Detonator assembly which provides Surface non-electric delay initiation of surface and underground blast patterns. Used in conjunction with detonating cord trunk lines or other Non-Electric delay systems provide flexibility in blast design and ease of use. These can be used in surface or underground mines, at quarries or at construction projects.

The SOLAR DET Surface Trunk Line detonator (STL) is developed to be used in a wide range of temperature conditions. The product may be used in areas encountering high temperatures and cold conditions.

Precaution

Avoid damage to the shock tube. Do not use shock tube as a lowering line for any thing other than cast booster. Never pull so hard to stretch or break shock tube which may cause a premature detonation.

Advantages

- Reliably initiates all detonator sensitive explosives; does not affect the explosives column energy.
- Stands up to tough conditions.
- Provide flexibility in blast control.
- Allows easy connection.
- Does not entangle – no waste.

Features

- Rugged and abrasion resistance tubing Delay.
- Periods are accurately timed.
- Quick and simple to connect.
- Brightly coloured components.
- High visibility.
- Environment friendly.
- Reduced energy loss.
- Quick and simple to connect.

Technical Properties

PRODUCT	SOLAR DET Surface Trunk Line Detonator
MOC of shell	Aluminium
Detonator strength	Not Applicable
Delay Timing, ms	0, 9, 17, 25, 42, 67, 100, 200
Length of the shock tube	As per customers requirement
Tube Coating	HMX Compound
Tube Coating (mg/mtr)	17 +/- 3
VOD, (mtr/second)	2000 ± 200
Tensile strength	30 N/mm ² (min)
Identification mark	Delay timing and length stickers tagged with each shock tube. E mark at bottom of shell and "EEL" embossed on plastic connector. Different coloured connectors for different delay timings
Water Resistance	Excellent
Packing	Depending on length, No. of Detonators are packed in antistatic polybags and such polybags are kept in approved fibre board case. A barcode sticker having details such as shock tube length, type and delay numbers etc. is pasted on the fibre board box.

- * Specific delay period also available on request.
- These specifications can be changed without any notice / intimation to buyer.

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Initiation & Handling

SOLAR DET Surface Trunk Line (STL) detonator assemblies can be initiated with electric or plain detonators. Care should be taken while used on rough surface to avoid friction of detonators or damaging of shock tube during handling.

Packing

SOLAR DET- Surface Detonator assemblies are wound in regular coils and packed in antistatic polybags. These are packed in Fibre Board cases.

Length (in Mtrs)	Case : 545 X 340 X 300 mm	
	No. Per Polybag	Qty. Per Box
3.5	10	280
5.0	10	220
6.0	10	180
9	10	140
12	5	110
15	5	90
18	5	70
24	5	50

- Specific lengths and Delay Timings can be made available on request.
- Quantity in Polybags may vary as per customer requirement.
- Shock Tube lengths above 100 mtrs will be provided in spools.

Storage

For the best results, store under moderate temperatures and dry conditions in a well ventilated, approved detonator magazine for best results.

Shelf Life

If stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of SOLAR DET Surface Trunk Line detonator is 2 years from the date of manufacture.

Shipping Information :

Authorised Name
of Explosives : Solar Det
Proper Shipping
Name : DETONATORS NON ELECTRIC
for blasting
Class / Div : 1.1B
UN No. : 0360

Disclaimer

Use of these products by anyone who lacks adequate training, experience & supervision may kill or injure. It is expressly understood that any technical advice furnished by SILL with reference to the use of its Products is given gratis & SILL assumes no obligation or liability for the advice given or results obtained, & all such advice being given is accepted at Customer's risk.

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*Images are just for reference and can be changed without any intimations.

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