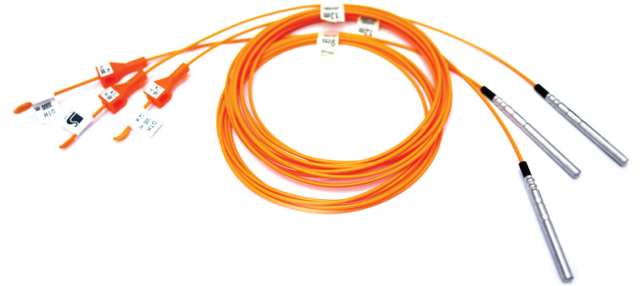


## Solar DET

### NON ELECTRIC DOWN THE HOLE DETONATOR

For Use in Underground, Opencast,  
Quarrying and Construction



### Description & Application

SOLAR DET Down The Hole detonator consists of 3-Layered shocktube having internal coating of HMX compound & Detonator assembly which provides In-hole 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 Down The Hole detonator 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.

### Technical Properties

PRODUCT	SOLAR DET Down the Hole Detonator (DTH)		
MOC of shell	Aluminium		
Detonator strength	No. 8 / No.8*		
Delay Timing, ms#	200 400	250 450	300 500
Length of the shock tube	As per customers requirement		
Tube Coating	HMX Compound		
Coating Qty. (mg/mtr)	15 +/- 2		
VOD, (mtr/second)	2000 ± 200		
Tensile strength	30 kgf (min)		
Identification mark	Delay timing and length stickers tagged with each shock tube "Danger Explosives-SIIL" printed on shell		
Water Resistance	Excellent		
Packing	Depending on length, No. of Detontors are packed in anti-static Poly bags and kept in approved fibre board boxes. A barcode sticker having details such as shock tube length, type and delay Numbers/Time is pasted on the boxes.		

# Specific delay period also available on request.

- These specifications can be changed without any notice / intimation to buyer.

## Solar **DET**

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#### Packing

SOLAR DET Down The Hole Detonator assemblies are wound in regular coils and packed in anti-static polybags. These are shipped 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 per Poly bags can vary as per customer requirement.
- Shock Tube lengths above 100 m will be provided in spools.

#### Storage

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

#### Shelf Life

If stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of SOLAR DET Down the Hole Detonator is 2 years from the date of manufacture.

#### Shipping Information :

Class / Div : 1/1.1  
Group : B  
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.

SILL makes no warranty of any kind, written or oral, express or implied, except that the Products shall meet SILL's standard specifications for such Products. Customer shall assume all risk and liability for results obtained by the use of such Products whether used singly or in combination with other products. Under no circumstances shall SILL or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.

Any dispute arising out of above information shall be dealt in accordance with the laws of Republic of India and subject to jurisdiction of Courts at Nagpur, India.

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

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