

# CDET OMEGA STLD

## SURFACE TRUNKLINE DELAY SHOCK TUBE DETONATOR



**CDET OMEGA STLD** is a Non-Electric initiating device used for surface initiation in blasting to provide the necessary delay between the holes. STLD consists of a Shock Tube with a Delay Detonator of No. 8 strength housed in a suitable connector (S - Connector) on one end and a sealed end on the other side. Delay time indicating sticker & length indicating sticker are attached to every STLD for easy identification and handling. The S - Connector has the provision to connect 6 Shock Tubes for initiation. The connectors are colour coded to indicate the delay timing. STLD is available in 0 ms, 17 ms, 25 ms, 42 ms, 65 ms and 100 ms delay intervals.

**CDET OMEGA STLD** is used in combination with Down the Hole Delay detonator (DTHD) and provides unlimited delay periods and sequences to conduct large scale blasts.

The Shock Tube is heat sealed at one end so as to resist moisture or water ingress into the tube. The sealed end of the Shock Tube also helps to prevent the connected Shock Tube from coming out of the S - Connector during the blasting operations.

STLD is available in lengths varying from 3 Meters to up to 50 Meters. Specific lengths can be provided on customer's request.

**PACKING :** STLDs are first packed in a paper bag and the bags are then kept in a Fibre Board Box. 25-200 numbers of STLD are packed into a box depending on the length of the shock tube.

**CLASSIFICATION :** Indian Explosives Rules - Class 6, Division 3  
U.N. No. & Stowage Category - 0360, 1.1B

### ADVANTAGES:

- It eliminates the usage of detonating cord and/or cord relay on surface to provide the delay between the holes.
- Since STLD is used for surface hookup, it totally eliminates the airblast noise due to the primary blast on surface.
- It provides accurate delay per hole, improving the muckpile profile, fragmentation and cycle times for clearance of the blasted rock.
- It provides the necessary relief delay to reduce the back break and thereby provides a good free face for the next drilling operations.
- It provides unlimited number of delays which is particularly helpful in large blasts.
- The S-connector is user friendly and allows for easy onsite connections by the blaster.

### SAFETY IN USE :

- Take the shock tubes of the DTHD or from the next STLD and press them in S-connector for locking the tubes.
- If and when the number of tubes is less than three, the shock tube can be re-inserted into the S-connector for more firm grip.
- Never try to initiate the shock tube with flame as the shock tube can be initiated only with another detonator or detonating cord and not by flame.
- Please remember that one shock tube cannot initiate another shock tube.
- Never connect a detonating cord along with shock tubes in the same connector.
- Pull the shock tubes such that the Connector is close to the mouth of the borehole.
- Never hit the shock tube with heavy objects as it can cause discontinuity in the tube.
- Never cut the sealed end, since moisture or water ingress can cause misfires in initiation.

**DISCLAIMER :** The information given in this data sheet cannot possibly cover every application of the product nor every condition under which the product is used, the purchasers should make their own assessment to determine the suitability of the product and applicability for their particular purpose in the specific context. Explosive materials are dangerous and must be stored / handled as per approved regulations and safety procedures under competent supervision. The manufacturer does not make any warranty of any kind, expressed or implied, other than those implied mandatorily by State legislation. In no event shall the manufacturer be liable for consequential damages, expenses or losses. Products are in the process of continuous development and their specifications are subject to change without notice.

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