DESCRIPTION

Shock★Star long period detonator products include LP In-Hole Delays and LP Dual-Delay Detonators.

*Shock★Star LP In-Hole Delays* are available in a sequence of 26 whole number periods from instantaneous (0 ms) to 9600 ms. Austin’s LP delay sequence is appropriate for applications such as tunneling and shaft or raise mining where long delays are required between holes to allow for movement of broken rock. They are designed to be used as down-hole detonators for the initiation of cast boosters, high explosives or pneumatically loaded AN/FO. In-Hole delays come equipped with a T-Connector for compatibility with detonating cord initiation.

*Shock★Star LP Dual-Delays* with the 200/5000 ms configuration are designed to allow the efficiency of dual-delay detonators to be used in LP delay applications. They achieve high inventory efficiency by replacing an entire series of delay detonators with a single product. Dual-Delays are equipped with the patented eight tube capacity Quick-Relay Connector with a white colored end cap for better visibility in low light workplaces.

BENEFITS

- 900 mg base charge of PETN to ensure strong initiation energy under even the most extreme conditions (down-hole detonator only).
- Delay composition encased in a zinc jacket to prevent performance loss due to transient pressure from nearby detonating holes.
- Equipped with a tear-proof delay tag that lists DSC, delay time, delay period and length of the detonator.
- Manufactured with bright yellow shock tubing for high visibility.
- Surface connector has eight tube capacity and is color-coded to surface delay time.
**Disclaimer of Warranties and Limitations of Liabilities**

"Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder’s straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages."

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**STORAGE**

Store in accordance with all applicable local, state, provincial and federal laws.

**SHELF LIFE**

For optimum accuracy, use within one year from date of manufacture under good storage conditions.

**UN CLASSIFICATION**

**Shipping Name:** Detonator Assemblies, Non-Electric  
**Class & Division:** 1.1B LP IHD / 1.4B LP-DDD  
**ID Number:** UN 0360

**DOT REFERENCE NUMBER**

EX-2012070727  
EX-2012070728  
EX-2012081113  
EX-2012081112

All Shock★Star non-electric detonators are manufactured by Austin Star Detonator Co., Brownsville, TX.

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