

Shock★Star Dual Delay

PRODUCT INFORMATION BULLETIN

Shock★Star Dual Delay detonators for surface application combine in-hole Shock★Star MS detonator and Shock★Star Surface. This combination offers convenience for storage and inventory management of one product instead of two and often reduces space requirements for transportation. Connecting of blast patterns is faster with Shock★Star Dual Delays as fewer connections are required in total. As fewer individual products are used in the blast pattern the clutter at connection points is reduced and visual inspections are easier.



BENEFITS

- 720 mg /120 mg base charge in downhole/surface detonator
- High impact protection.
- Manufactured with bright (yellow or red) Shock Tube for high visibility.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.

PROPERTIES

Delay Sequence

Shock★Star Dual Delay		
	Shock★Star Surface	Shock★Star MS
Nominal delay times (ms)	17, 25, 42, 67, 100, 200	500, 600, 800, 1000

STANDARD TECHNICAL DESCRIPTION

Detonator	
Detonator shell material	Aluminum
Base charge	720 mg/120 mg
Water pressure resistance	0.3 MPa / 7 days
Temperature range for application	from -30°C to +60°C
Label Marking	Delay #, Detonator type, Delay ms, ST length, barcode and batch code (traceability), Emergency number, Product registration number (ANMaC)
Shock Tube	
Velocity of detonation	2000 ± 100 m/s
Color	Yellow/Red



AUSTIN POWDER

Austin Powder Argentina S.A. | Luis Maggi 770, Rafaela, Santa Fe, 2300 Argentina
Telephone +54 3492 424 775 - apa.comercial@austinpowder.com | www.austinpowder.com

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PACKAGING

Length (m)	Units / Box
12	50
18	50
25	40
30	30

Shock★Star Dual Delay detonators are packaged in cardboard carton of outer dimension 533 x 271 x 277 mm. Other lengths of Shock Tube are possible on demand.

STORAGE

Shock★Star DD must be stored in magazines for detonators. Detonators cannot be store in the same magazines as high explosives (packaged emulsions, booster, etc.) and blasting agents (ANFO). These magazines must accomplish the current legal requirements.

USE

- Open pit mining
- Underground mining
- Quarries
- Civil projects

SHELF LIFE

Two years from date of manufacture under good storage conditions.
Recommended conditions: -30°C to +40°C, R.H. max 65%, in original package.

DISPOSAL

According to local regulations. If in doubt consult the supplier.

TRANSPORT INFORMATION

Shipping Name: DETONATOR ASSEMBLIES, NON-ELECTRIC
Class and Division: 1.1B
UN Number: 0360

Contact your local Austin Powder representative for further information.

Disclaimer of Warranties and Limitations of Liabilities

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