



PRODUCT INFORMATION

BROCHURE

1.1B

SHOCK★STAR TS



Shock★Star TS detonator products are available in a sequence of 15 delays from 500 ms to 9,600 ms. Austin's TS 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 in-hole detonators for the initiation of cast boosters and high explosives. In-hole detonators may be equipped with a T-connector for compatibility with detonating cord initiation.

BENEFITS

- 720 mg base charge.
- High impact protection.
- Manufactured with bright yellow Shock Tube for high visibility.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.

PRODUCT OVERVIEW

PROPERTIES

Delay Sequence	1	2	3	4	5	6	7	8
Nominal delay (ms)	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000
Delay Sequence	9	10	11	12	13	14	15	
Nominal delay (ms)	4,500	5,000	5,500	6,500	7,500	8,500	9,600	

STANDARD TECHNICAL DESCRIPTION

Detonator	
Detonator shell material	Aluminum
Base charge	720 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	2,000 ± 100 m/s
Color	Yellow

STANDARD PACKAGING

Length (m)	Units / box
3.0 - 4.2	200
4.8 - 6	150
12	75
20	50
25	40
30	30

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

USE

- Underground mining
- Civil projects

SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is two years from the date of manufacture under suitable storage conditions.
- Recommended conditions: -30°C to +40°C, Relative Humidity max. 65%, in original package.
- Shock★Star TS 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.
- Disposal: According to local regulations. If in doubt consult with the supplier.

Contact your local Austin Powder representative for further information.

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TRANSPORT – UN CLASSIFICATION

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



AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.