

PRODUCT INFORMATION BROCHURE

1.1B

SHOCK*STAR MS



shock *Star MS series in-hole delays are available in a sequence of 19 delays from instantaneous (0 ms) to 1,000 ms. They are designed to be used as down-hole detonators for the initiation of cast boosters and high explosives. In-hole detonators can be equipped with a T-connector for compatibility with detonating cord initiation or can be initiated by another electric or non-electric detonator.

BENEFITS

- 720 mg base charge.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.
- High impact protection.

PRODUCT OVERVIEW

PROPERTIES

Delay Sequence	0	1	2	3	4	5	6	7	8	9
Nominal Delay (ms)	0	25	50	75	100	125	150	175	200	250
Delay Sequence	10	11	12	13	14	15	16	17	18	19
Nominal Delay (ms)	300	350	400	450	500	600	700	800	900	1,000

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	Red				

STANDARD PACKAGING

Length (m)	Units/Box
3.0 - 4.2	200
4.8 - 6	150
9	100
12	75
18	50
25	40
30	30

Shock★Star 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

- Open pit mining
- Underground mining
- Quarries
- 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 MS 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.

TRANSPORT - UN CLASSIFICATION

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

Contact your local Austin Powder representative for further information.

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