



PRODUCT INFORMATION

BROCHURE

SHOCK★STAR LP



Shock★Star LP detonator products are available in a sequence of 16 delays from 25 ms to 9,600 ms.

Austin's LP delay sequence is appropriate for underground mining applications, raising and shaft sinking operations.

Shock★Star LP is designed as in-hole detonators for the initiation of cast boosters and high explosives. In-hole delays 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

DELAY SEQUENCE

| Delay # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 9 | 10 |
|--------------------|------|------|------|------|------|------|------|------|-----|-----|-----|
| Nominal delay (ms) | 25 | 200 | 400 | 600 | 1000 | 1400 | 2000 | 2500 | 200 | 225 | 250 |
| Delay # | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 19 | 20 | 21 |
| Nominal delay (ms) | 3000 | 3500 | 4500 | 5500 | 6500 | 7500 | 8500 | 9600 | 475 | 500 | 550 |

STANDARD TECHNICAL DESCRIPTION

| Detonator | |
|-----------------------------------|---|
| Detonator shell material | Aluminum |
| Base charge | 720 mg |
| Water pressure resistivity | 0.3 MPa / 7 days |
| Temperature range for application | from -30 °C to +60 °C |
| Shelf life (storage conditions) | 2 years (-30 °C to +40 °C, R.H. max. 65%) in original, sealed package |
| Label marking | Delay #, Detonator type, Delay ms, ST length, Data matrix code (traceability) |
| Notified body | CE 1019 |
| Shock Tube | |
| Velocity of detonation | 2,000 ± 100 m/s |
| Color | Yellow |

STANDARD PACKAGING DETAILS

| Shock tube length (m) | Packaging 1.1B UN 0360 | | | Packaging 1.4S UN 0500 | | |
|--------------------------|------------------------|----------------|----------------|------------------------|----------------|----------------|
| | Units / Bag | No. of Bags | Units / Box | Units / Bag | No. of Bags | Units / Box |
| 3.6 | 10 | 14 | 140 | 20 | 5 | 100 |
| 4.8 | 10 | 12 | 120 | 20 | 4 | 80 |
| 6.0 | 10 | 10 | 100 | 10 | 7 | 70 |
| 7.2 | 10 | 10 | 100 | 10 | 5 | 50 |
| 7.8 | 10 | 10 | 100 | 10 | 5 | 50 |
| 9.0 | 10 | 8 | 80 | 10 | 5 | 50 |

Shock★Star LP detonators are packaged in cardboard carton of outer dimension 390x235x295 mm.
Packaging 1.4B UN 0361 and other lengths of Shock Tube are possible on demand.

Contact your local Austin Powder representative for further information.

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AUSTIN POWDER

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

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