



PRODUCT INFORMATION

BROCHURE

Shock★Star TS



Shock★Star TS detonator products are available in a sequence of 40 delays from 25 ms to 9,000 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

DELAY SEQUENCE

Delay #	0	1	1½	2	2½	3	3½	4
Nominal delay (ms)	25	100	150	200	250	300	350	400
Delay #	4½	5	5½	6	6½	7	7½	8
Nominal delay (ms)	450	500	550	600	650	700	750	800
Delay #	8½	9	9½	10	11	12	14	16
Nominal delay (ms)	850	900	950	1,000	1,100	1,200	1,400	1,600
Delay #	18	20	25	30	35	40	45	50
Nominal delay (ms)	1,800	2,000	2,500	3,000	3,500	4,000	4,500	5,000
Delay #	55	60	65	70	75	80	85	90
Nominal delay (ms)	5,500	6,000	6,500	7,000	7,500	8,000	8,500	9,000

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 0589
Shock Tube	
Velocity of detonation	2,050 ± 250 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
4.8	10	12	120	20	4	80
6.0	10	10	100	10	7	70
7.8	10	10	100	10	5	50

Shock★Star TS 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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