

ShockStar TS

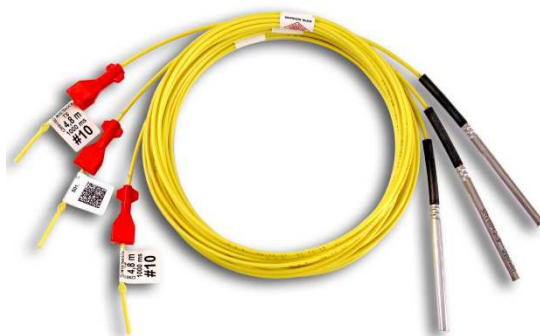
PRODUCT INFORMATION BROCHURE

SHOCKSTAR 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 delays may be equipped with a T-connector for compatibility with detonating cord initiation.



BENEFITS

- 720 mg base charge.
- Protected primary explosive charge.
- Manufactured with bright yellow shock tube for high visibility.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.

PROPERTIES

Delay sequence

Delay #	0	1	1^{1/2}	2	2^{1/2}	3	3^{1/2}	4
Nominal delay (ms)	25	100	150	200	250	300	350	400
Delay #	4^{1/2}	5	5^{1/2}	6	6^{1/2}	7	7^{1/2}	8
Nominal delay (ms)	450	500	550	600	650	700	750	800
Delay #	8^{1/2}	9	9^{1/2}	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



AUSTIN POWDER
INTERNATIONAL

Austin Detonator s.r.o., Jasenice 712, 755 01 Vsetín, Czech Republic
Tel: +420 571 404 001 - Fax: +420 571 404 002 - marketing.info@austin.cz

ShockStar TS

PRODUCT INFORMATION BROCHURE

STANDARD TECHNICAL DESCRIPTION

DETONATOR	
Detonator shell material	Aluminium
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	2,000 ± 100 m/s
Colour	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	10	100	20	4	80
6.0	10	10	100	10	7	70
7.8	10	8	80	10	5	50

SHOCKSTAR TS detonators are packaged in cardboard carton of outer dimension 385x235x282 mm.

Packaging 1.4B UN 0361 and other lengths of shock tube are possible on demand.

Contact your local Austin Powder International representative for further information.

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