

Shock★Star TS

PRODUCT INFORMATION BROCHURE

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 delays may be equipped with a J-hook 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.

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

Tenaga Kimia-Austin Detonator Sdn. Bhd. (580221-P)
(formerly known as Tenaga Kimia-Ensign Bickford Sdn Bhd)

No. 8, Jalan SS 22/21, Damansara Jaya, 47400 Petaling Jaya, Selangor Darul Ehsan. Tel : 603 - 7729 7464 | Fax : 603 - 7729 8383

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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, Oder number
SHOCK TUBE	
Velocity of detonation	2,000 ± 100 m/s
Color	Yellow

STANDARD PACKAGING DETAILS

Shock tube length (m)	LP 1.1B UN 0360	
	Lasso	Fig 69
	Units / Box	
2.4	180	180
3.6	140	140
4.8	120	100
7.2	80	90
9	80	80
12	60	60

Shock tube length (m)	LP 1.4S UN 0500	
	Lasso	Fig 69
	Units / Box	
2.4	100	100
3.6	100	100
4.8	80	80
7.2	55	50
9	50	50
12	40	40

SHOCK★STAR TS detonators are packaged in cardboard carton of outer dimension 385x235x282 mm.

Contact your local Austin Powder representative for further information.

Disclaimer of Warranties and Limitations of Liabilities

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