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.

PROPERITES

Delay sequence

Delay #	0	1	1 ^{1/2}	2	2 ^{1/2}	3	31/2	4
Nominal delay (ms)	25	100	150	200	250	300	350	400
Delay #	4 ^{1/2}	5	5 ^{1/2}	6	61/2	7	71/2	8
Nominal delay (ms)	450	500	550	600	650	700	750	800
Delay #	81/2	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





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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		LP 1.4S UN 0500		
	Lasso	Fig 69	Shock tube length (m)	Lasso	Fig 69	
	Units / Box			Units / Box		
2.4	180	180	2.4	100	100	
3.6	140	140	3.6	100	100	
4.8	120	100	4.8	80	80	
7.2	80	90	7.2	55	50	
9	80	80	9	50	50	
12	60	60	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.

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