

Shock★Star MS

PRODUCT INFORMATION BROCHURE

SHOCK★STAR MS series in-hole delays are available in a sequence of 31 delays from instantaneous (0 ms) to 1,000 ms.

They are designed to be used as down-hole detonators for the initiation of cast boosters and high explosives.

In-hole delays can be equipped with a J-hook* for compatibility with detonating cord initiation or can be initiated by another electric or non-electric detonator.



BENEFITS

- 720 mg base charge.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.
- Manufactured with yellow shock tubing for easy differentiation from surface detonators when inspecting the connected blast pattern.
- High impact protection.

PROPERITES

Delay sequence

Delay #	0	1	2	3	4	5	6	7
Nominal delay (ms)	0	25	50	75	100	125	150	175
Delay #	8	9	10	11	12	13	14	15
Nominal delay (ms)	200	225	250	275	300	325	350	375
Delay #	16	17	18	19	20	21	22	23
Nominal delay (ms)	400	425	450	475	500	550	600	650
Delay #	24	25	26	27	28	29	30	
Nominal delay (ms)	700	750	800	850	900	950	1,000	

* This product does not come with J-hook attached.



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

STANDARD PACKAGING DETAILS

Shock tube length (m)	MS 1.1B UN 0360		Shock tube length (m)	MS 1.4S UN 0500	
	Lasso	Fig 69		Lasso	Fig 69
	Units / Box			Units / Box	
4.8	100	100	4.8	80	80
6	100	100	6	70	70
7.2	80	90	7.2	55	50
9	80	80	9	50	50
12	60	60	12	40	45
15	40	40	15	35	30
18	35	35	18	25	20
21	30	30	21	25	20
24	30	30	24	20	20
30	30	30	30	15	15

SHOCKS★TAR MS 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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