

PRODUCT DATA SHEET**ShockStar MS Detonators**

ShockStar MS Series In-Hole Delays are available in a sequence of 31 whole number periods from instantaneous (0 ms) to 1000 ms. They are designed to be used as down-hole detonators for the initiation of cast boosters, high explosives or pneumatically loaded ANFO. In-Hole delays come equipped with a T-Connector for compatibility with detonating cord initiation or can be initiated by another electric or non-electric detonator.

- ✓ 750 mg base charge of PETN to ensure strong initiation energy under even the most extreme conditions (in-hole detonator only).
- ✓ Delay composition encased in a steel jacket to prevent performance loss due to transient pressure from nearby detonating holes.
- ✓ Delay time quality controls to ensure greater than 99% probability of in-sequence initiation.
- ✓ Equipped with a tear-proof color-coded delay tag that lists delay time, delay period and length of the detonator.
- ✓ Manufactured with bright yellow shock tubing for high visibility.





STANDARD SEQUENCES AND PACKAGING

Period #	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Delay [ms]	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350
Length		"X" Indicates Availability as Standard Product													
[ft]	[m]														
16	4.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	6.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	9.1												X	X	X
40	12.2												X	X	X
50	15.3												X	X	X
60	18.3												X	X	X
80	24.4												X	X	X
120	36.6												X	X	X
160	48.8												X	X	X
200	61.0												X	X	X

Period #	16	17	18	19	20	22	24	26	28	30	Case Count		
Delay [ms]	400	425	450	475	500	600	700	800	900	1000			
Length		"X" Indicates Availability as Standard Product										1.4B	1.1B
[ft]	[m]												
16	4.9	X	X	X	X	X	X	X	X	X	X	70 ea.	150 ea.
20	6.1	X	X	X	X	X	X	X	X	X	X	60 ea.	120 ea.
30	9.1	X	X	X	X	X						60 ea.	
40	12.2	X	X	X	X	X						50 ea.	
50	15.3	X	X	X	X	X						40 ea.	
60	18.3	X	X	X	X	X						40 ea.	
80	24.4	X	X	X	X	X						30 ea.	
120	36.6	X	X	X	X	X						20 ea.	
160	48.8	X	X	X	X	X						10 ea.	
200	61.0	X	X	X	X	X						10 ea.	

TRANSPORTATION AND STORAGE

ShockStar MS Detonators are classified as Packing Group 2. The description is Detonator Assemblies, Non-Electric, UN0361, Class and Division 1.1B, 1.4B (depending on case count). Transportation, storage and handling must be in accordance with all federal, state, provincial and local regulations.

ORDERING



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