

Rock★Star® Detonators

PRODUCT INFORMATION BROCHURE

Rock★Star electric detonators are designed to provide the precise control necessary to produce accurate and consistent blasting results in a variety of blasting applications in the mining, quarrying and construction industries.

ADVANTAGES

- Minimum 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- Industries strongest aluminum shell reduces the possibility of water hammer effect.
- HDPE insulation for added protection from extraneous currents.
- Wide selection of delay intervals provide greater flexibility in blast design.



Electrical Data	
No Fire Current	0.25 amps
All Fire Current	1.00 amps
Series Ignition Current	1.50 amps
No Fire Impulse	2.5 mJ/ohms
All Fire Impulse	5.5 mJ/ohms
Electrostatic Sensitivity	
Double Wire to Shell	10 kV/300 pF/15 mJ
Pin to Pin	10 kV/300 pF/15 mJ

PROPERTIES

Rock★Star MS Delay Sequence													
Delay #	0	1	2	3	4	5	6	7	8	9	10	11	12
MS Time	0	25	50	75	100	125	150	175	200	225	250	275	300
Delay #	13	14	15	16	17	18	19	20	22	24	26	28	30
MS Time	325	350	375	400	425	450	475	500	600	700	800	900	1000

Length	[ft]	16	20	24	30	40	60	80
	[m]	4.9	6.1	7.3	9.1	12.2	18.3	24.4
Total Resistance [Ω]*		1.6	1.78	1.9	1.65	1.85	2.25	2.7

Rock★Star LP Delay Sequence*														
Delay #	0	1	2	3	4	5	6	7	8	9	10	11	12	13
MS Time	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500

* Available in 20' length only



AUSTIN POWDER

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Rock★Star Detonators

STANDARD TECHNICAL DESCRIPTION

Electric millisecond and long period delay detonators

STANDARD PACKAGING DETAIL

Rock★Star MS and LP Packaging						
Length		Case Weight		Case Count	NEQ per Case	Wire Configuration
[ft]	[m]	[lb]	[kg]			
16	4.9	6.1	2.8	40	40	Short Fold
20	6.1	6.6	3.0	40	40	Short Fold
24	7.3	5.5	2.5	40	40	Short Fold
30	9.1	6.6	3.0	15	15	Long Fold
40	12.2	6.6	3.0	15	15	Long Fold
60	18.3	6.6	3.0	10	10	Long Fold
80	24.4	7.7	3.5	10	10	Long Fold

* All Rock★Star 24' (7.3 m) and less, have 22 AWG (0.6 mm) copper wire.

** All Rock★Star 30' (9.1 m) and more, have 20 AWG (0.8 mm) copper wire.

Rock★Star MS and LP Recommended Firing Current				
Circuit Type	Single Detonator	Single Series	Parallel Series	Parallel
DC [Amps]	0.5	1.5	1.5	1.0–10.0/Detonator
AC [Amps]	0.5	2.0	2.0	1.0–10.0/Detonator

Case Dimension:	11 1/4" x 7 5/8" x 5" 286mmx x194mm x 127mm
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STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

SHELF LIFE

For optimum accuracy, use within five years from date of manufacture under good storage conditions.

TRANSPORTATION DATA

UN CLASSIFICATION

Shipping Name: Detonators, Electric
Class & Division: 1.4B
ID Number: UN 0255

US DOT REFERENCE NUMBER

EX-2006030288
EX-2010080268

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For more information and service locations in your area, please contact Austin Powder Company's headquarters:



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