



# ROCKSTAR II Detonator

Insensitive Millisecond Delay Electric Detonator

## DESCRIPTION

Electric millisecond detonators **ROCKSTAR II** 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.



## BENEFITS

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

## PROPERTIES

### ROCKSTAR Delay Sequence

Delay #	0	1	2	3	4	5	6	7	8	9	10
MS Nominal Delay	0	25	50	75	100	125	150	175	200	225	250
Delay #	11	12	13	14	15	16	17	18	19	20	21
MS Nominal Delay	275	300	325	350	375	400	425	450	475	500	550
Delay #	22	23	24	25	26	27	28	29	30		
MS Nominal Delay	600	650	700	750	800	850	900	950	1000		

### ROCKSTAR II Resistances (Ω)\*

Length (m)	2	2,5	3	3,5	4	5	6	9	12	15	20	25	30
Cu 0,5	1,0	1,1	1,2	1,2	1,3	1,5	1,7	2,3	2,8	3,4	4,3	5,2	6,1
Cu 0,6	0,9	0,9	1,0	1,0	1,1	1,2	1,4	1,8	2,1	2,5	3,2	3,8	4,4
Fe 0,65	2,2	2,6	3,0	3,4	3,8	4,6	5,4	7,8	10,2	12,6	16,6	20,6	24,6

\*includes fusehead resistance of 0,6 Ω

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## PROPERTIES

### ROCKSTAR II Firing Parameters

	Single Detonator	Single Series	Parallel Series	Parallel
All-Fire Current (DC Amps/4 ms)	2,0	2,12	2,12	2,12/detonator
All-Fire Impulse (mJ/ $\Omega$ /4 ms)	16	18	18	18/detonator
No-Fire Current (DC Amps/5 min)	0,45	0,45	0,45	0,45/detonator
No-Fire Impulse (mJ/ $\Omega$ /5 ms)	8,0	8,0	8,0	8,0/detonator

## PACKAGING

Length (m)	Case Weight (kg)*			Case Count**			Wire Configuration
	Cu 0,5	Cu 0,6	Fe 0,65	Cu 0,5	Cu 0,6	Fe 0,65	
2	15	17	18	500	500	500	Fold
2,5	17	19	19	500	500	500	Fold
3	18	21	21	500	500	500	Fold
3,5	20	19	25	500	400	500	Fold
4	18	18	18	400	350	350	Fold
5	16	16	19	300	250	300	Fold
6	15	17	15	250	250	250	Fold
9	13	15	16	150	150	150	Fold
12	16/8	19/10	20/10	150/60	150/60	150/60	Fold/Spooled
15	13/10	16/11	16/11	100/60	100/60	100/60	Fold/Spooled
20	13/12	16/14	16/14	75/60	75/60	75/60	Fold/Spooled
25	13/14	15/16	16/17	60/60	60/60	60/60	Fold/Spooled
30	15/16	18/19	18/19	60/60	60/60	60/60	Fold/Spooled

\*Case weight based on average values \*\*For quantities of inner boxes divide case count by 5

## STORAGE

Store in accordance with all applicable local, state, provincial and federal laws in temperatures between -30 and +40 °C.

## SHELF LIFE

For optimum accuracy use within 2 years from date of manufacture under good storage conditions.

## UN CLASSIFICATION

Shipping Name: Detonators, Electric for Blasting  
Class & Division: 1.4B (1.4S at request)  
UN Number: 0255 (0456)  
CE Type: 0-U, DEM-U  
Alternative Name: 0-S, DEM-S



### Disclaimer of Warranties and Limitations of Liabilities

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INTERNATIONAL

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