



ROCKSTAR III Detonator

Highly Insensitive Millisecond Delay Electric Detonator

Electric

DESCRIPTION

Electric detonators **ROCKSTAR III** 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. Their high insensitivity brings extra safety to blasting operations and makes the product especially suitable for the blastwork in residential areas.



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 Ila Resistances (Ω)*

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

*includes fusehead resistance of 0,25 Ω

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PROPERTIES

ROCKSTAR III Firing Parameters

	Single Detonator	Single Series	Parallel Series	Parallel
All-Fire Current (DC Amps/4 ms)	2,0	3,5	3,5	3,5/detonator
All-Fire Impulse (mJ/ Ω /4 ms)	140	140	140	140/detonator
No-Fire Current (DC Amps/5 min)	1,2	1,2	1,2	1,2/detonator
No-Fire Impulse (mJ/ Ω /5 min)	80	80	80	80/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 (UN 0456)
Alternative Name: DEM-S 1,2



Disclaimer of Warranties and Limitations of Liabilities

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AUSTIN POWDER
INTERNATIONAL

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