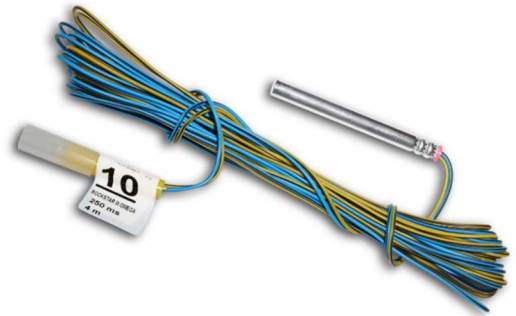


# Rock★Star III Omega

PRODUCT INFORMATION BROCHURE

**Rock★Star III Omega** are electric millisecond detonators designated 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

- High initiation strength – 720 mg base charge ensures reliable initiation of all cap sensitive explosives.
- Strong shell reduces the possibility of water hammer effect.
- Antistatic insulation for added protection from stray currents.
- Wide selection of delay intervals provides greater flexibility in blast design.
- High impact protection.
- Equipped with VA connector for easy wire connection even in gloves.
- The resistance of one detonator with any length of leg wire is  $3.6 \pm 0.3 \Omega$ , but be aware the resistance changes depending the temperature (more detail in UG).

## VA CONNECTOR

A plastic tube (VA connector) is fixed firmly on one wire end. By inserting the second wire from different detonator and twisting of the connector it is possible to create a firm connection of the two wires. To create a good connection it is necessary to make 5 full turns of the connector (10 hand moves). The VA connector is easy to work with in cold conditions and with protective gloves.

## PROPERTIES

Delay sequence

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



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PRODUCT INFORMATION BROCHURE

## FIRING PARAMETERS

Type	Class III
Fusehead resistance	0.16 – 0.20 Ω
Total detonator resistance with any length of leg wires	3.6 ± 0.3 Ω
No fire current	1.2 A
No fire energy	80 mJ/Ω
All fire current	3.5 A
All fire energy in series	140 mJ/Ω

## STANDARD TECHNICAL DESCRIPTION

Detonator standard shell material	Aluminum
Base charge	720 mg
Water pressure resistance	0.3 MPa / 48 hours
Temperature range for application	-30 °C < T < +60 °C
Shelf life (storage conditions)	2 years (-30 °C to 40 °C)
Label marking	Delay #, Detonator type, Delay ms, Wire length, Data matrix code (traceability)
Notified body	CE 1019

## STANDARD PACKAGING DETAILS

Wire length (m)	Packaging 1.4B UN 0255	Packaging 1.4S UN 0456
4	250	125
6	150	100
10	100	100

Rock★Star III Omega detonators are packaged in cardboard box of outer dimension 425x305x250 mm.

Other wire lengths are possible on demand.

Contact your local Austin Powder representative for further information.

### Disclaimer of Warranties and Limitations of Liabilities

Any information contained herein is based on the manufacturer's standard procedures in use at the time of publication. Any specifications, test values and other data is solely preliminary information and not guaranteed. Actual results may differ during field use. Neither manufacturer nor seller will be responsible whatsoever for any losses or damages resulting from the use or reliance upon any information set forth herein.

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