

# RockStar 25/50

PRODUCT INFORMATION BROCHURE

**ROCKSTAR 25/50** electric millisecond 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.

## BENEFITS

- High initiation strength – 720 mg base charge ensures reliable initiation of all cap sensitive explosives.
- Protected primary explosive charge.
- Wide selection of delay intervals provides greater flexibility in blast design.
- Antistatic insulation for added protection from stray currents.
- Strong shell reduces the possibility of water hammer effect.



## 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>		
Nominal delay (ms)	600	650	700	750	800	850	900	950	1,000		



## AUSTIN POWDER

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### FIRING PARAMETERS

Type	Group I	Group II	Group III	Group IV
Fusehead resistance	1.50 - 1.90 $\Omega$	0.52 – 0.60 $\Omega$	0.16 – 0.20 $\Omega$	0.032 – 0.040 $\Omega$
No fire current	0.18 A	0.45 A	1.2 A	4 A
No fire energy	0.8 mJ/ $\Omega$	8 mJ/ $\Omega$	80 mJ/ $\Omega$	1,100 mJ/ $\Omega$
All fire current	1 A	1.5 A	3.5 A	25 A
All fire energy in series	3.0 mJ/ $\Omega$	16 mJ/ $\Omega$	140 mJ/ $\Omega$	2,500 mJ/ $\Omega$

In case of use of electric detonators in applications with a risk of initiation from stray currents, the appropriate detonator sensitivity must be chosen.

### STANDARD TECHNICAL DESCRIPTION

Detonator standard shell material	Aluminium
Base charge	720 mg
Water pressure resistance	0.3 MPa / 24 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 0589
Alternative names	instantaneous detonators: 0-N, 0-S, 0-V, 0-U, 0-HU ms detonators: DEM-N, DEM-S, DEM-V, DEM-U, DEM-HU

### STANDARD PACKAGING DETAILS

Wire length (m)	Packaging 1.4B UN 0255		Packaging 1.4S UN 0456	
	Cu $\varnothing$ 0,5 mm	Cu $\varnothing$ 0,6 mm Fe $\varnothing$ 0,65 mm	Cu $\varnothing$ 0,5 mm	Cu $\varnothing$ 0,6 mm Fe $\varnothing$ 0,65 mm
2 / 3	500		175	
4	400	350	150	
5	300		150	
10			150	
15			100	
22 / 25 / 30			60	

ROCKSTAR 25/50 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.

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