

# E★STAR Detonators

## PRODUCT INFORMATION BROCHURE

E★STAR electronic detonators provide the highest level of quality, security, control and precise timing to provide consistent blasting results.

### ADVANTAGES

- HDPE leg wires available in standard and heavy-duty configurations.
- Anti-slip friction grip (easy to use) connectors.
- Robust connector hinge.
- High accuracy delay from 1 - 20,000 ms.
- 3,200 detonator capacity (1,600 per blasting machine).
- Easy to open with one-hand weather-resistant, rugged connector.
- Surface and Underground applications.
- Dynamic pressure resistance.
- Multi-level, 100% detonator verification pre-blast.
- Copper shell.
- 750 mg explosive base charge.



### E★STAR LOGGING / TESTING / BLASTING EQUIPMENT



LOGGER 2



TESTER  
LM-2



BLASTING  
MACHINE



WRFD WIRELESS REMOTE BLASTING SYSTEM



The use of this system requires specific training in all components. This training is in addition to the normal, required training that all blasters and blasting personnel have received.

Only equipment specifically designed for use with Austin Powder E★STAR detonators is permitted. An operator's manual is to be available at all times when using this equipment.

Temperature Specifications for Blasting Machine and Logger units:

Operating (use): -20°C to 50°C, -4°F to 122°F

Storage, long term: -20°C to 35°C, -4°F to 95°F



**AUSTIN POWDER**

Austin Powder Company, 25800 Science Park Drive, Cleveland, OH 44122

Phone: 1-800-321-0752 | Fax: 1-216-464-4418 | Email: info@austinpowder.com | www.austinpowder.com

# E★STAR Detonators

PRODUCT INFORMATION BROCHURE

## STANDARD PACKAGING DETAILS

Quarry/Mine (QM) Packaging					
Length		Case Count	Case Wt		Wire Configuration
[ft]	[m]	Outer	[lb]	[kg]	
16	4.9	80	16.50	7.49	Fast 8
24	7.3	70	18.51	8.40	Fast 8
30	9.1	60	19.00	8.63	Fast 8
40	12.2	50	19.65	8.92	Fast 8
50	15.2	40	18.9	8.6	Fast 8
60	18.3	40	21.92	10	Fast 8
80	24.4	45	31.13	14.1	Spooled
100	30.5	45	37.07	16.83	Spooled
120	36.6	12	21.76	6	Spooled
150	45.7	12	25.06	6.9	Spooled
175	53.4	12	28.36	7.8	Spooled
200	61.0	12	31.66	8.7	Spooled
225	68.6	12	29.22	9.6	Spooled
250	76.2	12	30.70	10.1	Spooled

Quarry/Mine (QM) / Heavy Duty (HD) Packaging					
Length		Case Count	Case Wt		Wire Configuration
[ft]	[m]	Outer	[lb]	[kg]	
40	12.2	40	16.98	7.77	Fast 8
60	18.3	30	19.29	8.75	Fast 8
65	19.8	30	20.88	9.47	Fast 8
60	18.3	45	30.40	13.79	Spooled
80	24.4	30	22.27	10.1	Spooled
100	30.5	12	13.56	6.15	Spooled
120	36.6	12	14.11	6.4	Spooled
150	45.7	12	16.31	7.4	Spooled
175	53.4	12	18.32	8.31	Spooled
200	61.0	12	20.50	9.3	Spooled
225	68.6	12	25.57	11.6	Spooled
250	76.2	12	27.12	12.3	Spooled

### STANDARD TECHNICAL DESCRIPTION

Programmable electronic detonators

### 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.

**Disclaimer of Warranties and Limitations of Liabilities:** Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages.

© 2021 Austin Powder Company. All rights reserved.

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

### TRANSPORTATION DATA

#### UN CLASSIFICATION

Shipping Name: Detonators, Electric

Class & Division: 1.4B

ID Number: UN 0255

#### US DOT REFERENCE NUMBER

EX-0103067



## AUSTIN POWDER

Austin Powder Company, 25800 Science Park Drive, Cleveland, OH 44122

Phone: 1-800-321-0752 | Fax: 1-216-464-4418 | Email: [info@austinpowder.com](mailto:info@austinpowder.com) | [www.austinpowder.com](http://www.austinpowder.com)



2/22/06 | 12/07/2021