



PRODUCT INFORMATION

BROCHURE

E★STAR DIAMOND



E★STAR DIAMOND is a flag-ship edition of E★STAR detonator designed for harsh environment and the most demanding blasting operations. Fitted with super heavy duty wire insulation, it comes with an integrated temperature sensor to measure temperature for users to register the temperature inside each drill hole. The Logger can be set to automatically alert users when a pre-determined temperature is reached. E★STAR DIAMOND is supplied with the latest method of initiation using E★STAR Remote 2.5i remote system controlled by tablet / PC application.

PRODUCT OVERVIEW

BENEFITS

- Integrated Temperature Measurement sensor to register temperature with Logger.
- Delay range options from 1 - 40,000 milliseconds programmable in 1 millisecond increments.
- Extra heavy-duty leg wires and optional heavy-duty Bus-line.
- Superb abrasion resistance and leakage immunity.
- Robust copper shell for high dynamic pressure and corrosion resistance.
- Different connector colours for easier distinction between the top and the bottom primer.
- Extra-long molded crimp plug for additional mechanical protection.
- Optional RFID Technology for touchless logging.
- The most easy-to-use and reliable connector in the industry.
- Remote firing using latest Remote 2.5i system with option of firing up to 12,800 detonators.



STANDARD TECHNICAL DESCRIPTION

Shell material	Copper
Leg Wires	Copper clad steel
Leg Wires insulation	HDPE + Nylon Overcoating
Insulation Thickness	Super heavy duty: 0.9 mm +1.5 mil nylon overcoat
Outer dimension of leg wires	Super heavy duty: 2 x 0.60 / 2.4 x 4.50 mm
Bus-line	Cu, diameter 0.8 mm
Base charge	720 mg PETN
Water pressure resistance	1 MPa / 28 days
Temperature range for application	from -30 °C to +65 °C
Temperature Measurement Range	from 0°C to +85°C
Shelf life (storage conditions)	5 years (-30 °C to +40 °C)
Label marking	Product name, Wire length, Data matrix code (traceability), detonator serial number

STANDARD PACKAGING DETAILS

Wire length (m)	Wire length (ft)	Packaging 1.4B UN 0512 (pcs)
9	30	50
12	40	30
18 / 24 / 30	60 / 80 / 100	26 / 22 / 22*
19.8	65	26

E★STAR detonators are packaged in cardboard box of outer dimension 496 x 302 x 258 mm / 19.5 x 11.9 x 10.2 in. Other wire lengths are possible on special request.

*/ Delivered on spools.

BUS-LINE

Wire length (m)	Wire length (ft)	Units per box
400	1,300	4

Bus-line is packaged in cardboard box of outer dimension 490 x 245 x 160 mm / 19.29 x 9.65 x 6.30 in.

Contact your local Austin Powder representative for further information.

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AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.

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