



PRODUCT INFORMATION

BROCHURE

E★STAR GOLD HD



E★STAR GOLD HD with its strong wire insulation is robust electronic detonator best suited for harsh blasting conditions. Detonator wires bring higher cut and abrasion resistance, which brings increased leakage protection. E★STAR GOLD HD keeps all the features of E★STAR GOLD such as highest safety, timing accuracy and variability of initiation. The E★STAR GOLD HD could be operated with the standard E★STAR equipment, no special equipment is required.

PRODUCT OVERVIEW

EQUIPMENT

The system should be operated only by trained and authorized personnel using the dedicated equipment designed specifically for operating E★STAR detonators. No other special equipment is needed for working with E★STAR GOLD HD.



BENEFITS

- Detonator wires insulation is 33% thicker than the standard E★STAR
- Best performance under the heavy mats or in conditions with abrasive rock
- Copper shell for high water resistance and long sleep time
- Delay range 1 – 20,000 ms
- Minimum delay increment 1 ms
- Maximum accuracy 0.01% of nominal delay
- Up to 1,600 detonators controlled by one Blasting Machine and one Logger
- Multiple ways of programming
- Possible remote blasting
- Possible dual blasting - up to 3,200 detonators in one shot
- Multi-level detonator verification prior each blast
- 100% verification of reliability of blast
- Fast verification and fast arming possibility
- Color coded connectors, orange for lengths up to 9 m and pink from 12 m

STANDARD TECHNICAL DESCRIPTION

Detonator standard shell material	Copper
Detonator standard leg wires material	Copper coated steel
Base charge	720 mg
Water pressure resistance	1 MPa / 28 days
Temperature range for application	-30 °C < T < +60 °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 (for RFID labels)
Delay interval	Programmable 1 – 20,000 ms (increments of 1 ms)
Notified body	CE 1019

STANDARD PACKAGING DETAILS

Wire length (m)	Wire length (ft)	Packaging 1.1B UN 0511 (pcs)	Packaging 1.4B UN 0512 (pcs)	Packaging 1.4S UN 0513 (pcs)
6	20	64	40	40
9	30	40	32	32
12	40	X	X	24
15 / 18	50 / 60	X	X	30*
24 / 30	80 / 100	X	X	20*

E★STAR detonators are packaged in cardboard box of outer dimension 385 x 296 x 210 mm / 15.16 x 11.65 x 8.27 in.

Other wire lengths are possible on demand.

*/ Delivered on spools. Every box contain a stick for easy manipulation.

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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