



Electric Super™ Starter

Electric Instant Detonator

PROPERTIES

	SDS #1178
Shell Material	Aluminum
Shell Length	60.9 mm / 2.4 in
Legwire Color	Red & Yellow
Maximum Water Pressure	60 PSI 8 hrs
Connector Blocks	Holds up to 8 shock tubes Initiates 10-200 grain detonating cord
Shelf Life Maximum	5 years (from date of production)
Maximum Usage Temperature	66°C (150°F)
Ohms Resistance (H)	1.6
Net Explosive Content (per 100 units)	0.045 kg / 0.1 lbs

PRODUCT DESCRIPTION

ELECTRIC SUPER STARTER is an instant electric detonator housed in a plastic bunch block, facilitating easy connection to both shock tube and detonating cord. ELECTRIC SUPER STARTER is insulated with HDPE which offers added protection from extraneous currents. It has 450 mg RDX and or PETN base charge.

Recommended firing current:

Series wiring: a minimum of 2 amps AC or 1.5 amps DC

Parallel wiring: a minimum of 1 amp AC or DC per detonator

Series-in-parallel wiring: a minimum of 2 amps AC or DC per series

The maximum recommended continuous firing current is 10 amps per detonator.



HAZARDOUS SHIPPING DESCRIPTION

Detonator, Electric, 1.4B, UN 0255
EX-2010080268



APPLICATION RECOMMENDATIONS

NEVER use an ELECTRIC SUPER STARTER detonator with other Dyno Nobel electric detonators or electric detonators from another manufacturer. Wiring different brand electric detonators together in a blast circuit may result in misfires and is in violation of federal regulations. Even though some types of Dyno Nobel electric detonators are electrically compatible, they should not be used together as a standard blasting practice.

NEVER use electric detonators near radio frequency transmitters unless in accordance with IME SLP 20.



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RADIO FREQUENCY HAZARD ALERT

- When blasting with electric detonators, no personal communication equipment of any type should be on the blast site regardless of whether it is on or off. This includes but is not limited to portable/handheld radios, radio modems, pagers, and mobile and cell phones.
- Radio frequency (RF) transmitters include but are not limited to AM and FM radio, television, radar, cellular phones and other devices that are cellular-based (i.e., on-board vehicle systems like “On Star”), wireless data acquisition systems, personal data devices such as “Palm Pilots” and “Pocket PCs” with built-in cellular phones or communication systems, pagers, and Global Positioning Systems (GPS) base stations.
- Refer to the Institute of Makers of Explosives Safety Library Publication #20 for distance/wattage parameters and guidance when using two-way radios and cell phones near electric detonators.

TRANSPORTATION, STORAGE, AND HANDLING

- ELECTRIC SUPER STARTER must be transported, stored, handled, and used in conformity with all federal, state, provincial, and local laws and regulations.
- For maximum shelf life (5 years), ELECTRIC SUPER STARTER must be stored in a cool, dry, well-ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling, and using this product, see the booklet “Prevention of Accidents in the Use of Explosive Materials” packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.
- The disposable shipping tray is not part of the legal shipping package and is used only to prevent “relative motion” while in transit. If the tray is not used, it is mandatory that all explosives shipments are properly blocked and braced.

PROPERTIES (continued)

Packaging

Length		Case Weight		Wire Configuration	Quantity Per Case	NEQ (g)	Product Code
m	ft	lb	kg				
4.9	16	4.0	1.8	Short Fold	20	10	ECST0000016

Case Dimensions

286 x 194 x 127 mm, 11 1/4 x 7 5/8 x 5 in

Electrical Data		Electrostatic Sensitivity	
No Fire Current	0.25 amps	Double Wire to Shell	10 kV/300 pF/15 mJ
All Fire Current	1.00 amps	Pin to Pin	10 kV/300 pF/15 mJ
Series Ignition Current	1.50 amps		
No Fire Impulse	2.5 mJ/ohLP		
All Fire Impulse	5.5 mJ/ohLP		

ADDITIONAL INFORMATION – Visit dynonobel.com for Brochures and Case Studies related to this product.

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