



PRODUCT INFORMATION

BROCHURE

1.1D

E★STAR CAST BOOSTERS



Austin E★STAR Cast Boosters are high-density molecular explosives designed to produce high detonation pressures for optimum initiation of blasting agents. Austin E★STAR Cast Boosters are specifically designed to accommodate the E★STAR electronic detonator and contains a detonator well of 4" length (101.5mm). The detonator well contains an internal, precisely located brass sleeve. This sleeve is positioned to provide additional protection to the sensitive electronic components of the E★STAR detonator, while still insuring the high strength detonator base charge is in intimate contact with the sensitive cast booster explosive.

The E★STAR cast booster is designed for the E★STAR detonator. The use of any other detonator or detonating cord will result in misfires.

PRODUCT OVERVIEW

ADVANTAGES

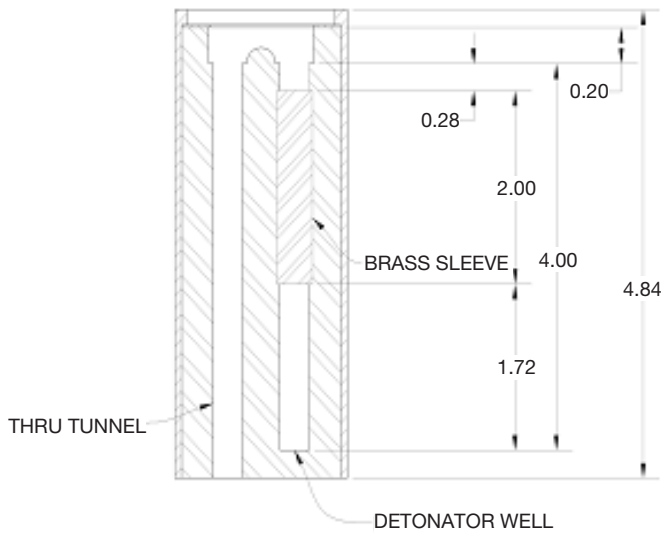
- Austin Cast Boosters detonate in excess of 24,000 ft/sec (7,380 m/sec).
- Over 230 kb of detonation pressure ensures optimum steady state velocity for blasting agents.
- Excellent shelf life, highly resistant to water and oil.
- High visibility "Yellow" cup to differentiate from standard Cast Boosters.
- Provides additional protection from transient pressure.

TECHNICAL DESCRIPTION

High-density explosives for primer applications

PROPERTIES

Product Name	Weight		Outside Diameter		Length		Units Per Case	Typical Uses Designed specifically for use with the E★STAR Electronic Detonator
	[oz]	[g]	[in]	[mm]	[in]	[mm]		
E★STAR 50	8.0	227	1.78	45.2	4.85	123.2	100	Priming blasting agents in holes of 2" diameter or larger. (Packaging – 2 x 50 units)
E★STAR 75	12.0	340	2.07	52.6	4.85	123.2	60	Priming blasting agents in holes of 2 1/2" diameter or larger.
E★STAR 100	16.0	454	2.35	59.7	4.85	123.2	50	Priming blasting agents in holes of 3" diameter or larger.
E★STAR 200	32.0	908	3.03	77	4.85	123.2	25	Priming blasting agents in holes of 4" diameter or larger.



The **E★STAR cast booster** contains a brass sleeve in the detonator well to provide additional protection from transient shock pressure to electronic detonator components. The brass sleeve is 2.0" long. The total length (depth) of the detonator well is 4". This design of a cast booster requires the electronic detonator to be fully inserted to the bottom of the detonator well to expose the base charge to the explosive cast booster mix. The bottom 1.72" of the detonator well does not contain the brass sleeve.

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STANDARD PACKAGING

Product	Inner Carton*	Outer Case Volume (ft ³)	Outer Case Volume (m ³)	Total Gross case Weight (Lb)	Total Gross case Weight (Kg)	Total NEQ case Weight (Lb)	Total NEQ case Weight (Kg)
E★STAR 50	2 each	1.25	0.035	59	25.8	50	22.7
E★STAR 75	N/A	0.88	0.025	47	21.4	45	20.4
E★STAR 100	N/A	0.56	0.0158	32	14.5	30	13.6
E★STAR 200	N/A	0.90	0.0255	52	23.59	50	22.7

SHELF LIFE, STORAGE & DISPOSAL

- Five years from date of manufacture under good storage conditions.
- Store in accordance with all applicable local, state, provincial and federal laws.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user’s situation. Please contact an Austin Powder Technical Representative for information on safe practices. under good storage conditions.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Boosters
 Class & Division: 1.1D
 ID Number: UN0042

US DOT REFERENCE NUMBER

EX-1993030285

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