

# E★STAR Cast Boosters

## PRODUCT INFORMATION BROCHURE

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

### 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.



### 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.



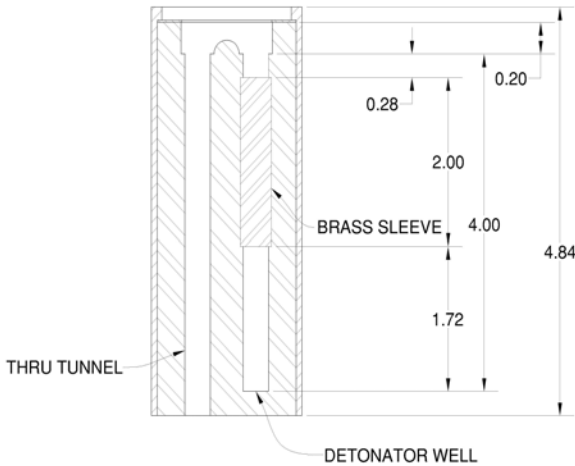
**AUSTIN POWDER**

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## E★STAR Cast Booster



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.

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



## STANDARD PACKAGING DETAILS

Product	Inner Carton*	Outer Case Volume (ft <sup>3</sup> )	Outer Case Volume (m <sup>3</sup> )	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

## STANDARD TECHNICAL DESCRIPTION

High-density explosives for primer applications

## STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

## SHELF LIFE

Five years from date of manufacture under good storage conditions.

## TRANSPORTATION DATA

### UN CLASSIFICATION

Shipping Name: Boosters

Class & Division: 1.1D

ID Number: UN0042

### US DOT REFERENCE NUMBER

EX-1993030285

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