



# E★Star® Cast Booster

## AUSTIN POWDER

A TRADITION OF SAFETY, STRENGTH AND SERVICE.

High-Density Explosives for  
Primer Applications.

### DESCRIPTION

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.

### **BENEFITS**

- 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.

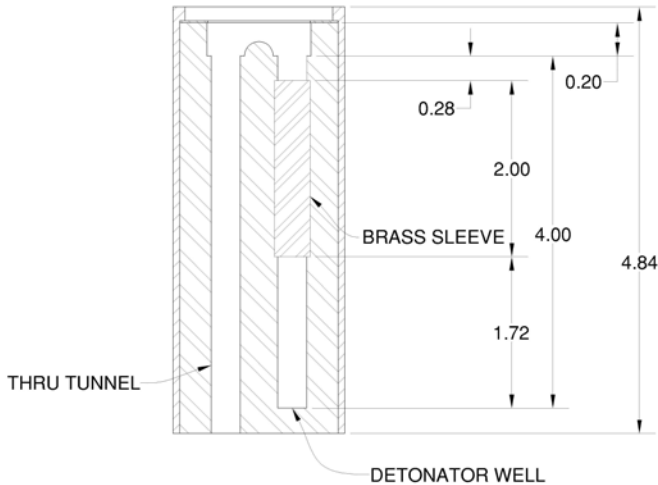


### DIMENSIONS & TYPICAL USES

Product Name	Weight		Outside Diameter		Length		Units Per Case	Typical Uses
	[oz]	[g]	[in]	[mm]	[in]	[mm]	Units	
E★Star 50	8.0	227	1.78	45.2	4.85	123.2	100	<b>Designed specifically for use with the E★Star, Electronic Detonator</b> 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	
E★Star 100	16.0	454	2.35	59.7	4.85	123.2	50	
E★Star 200	32.0	908	3.03	77	4.85	123.2	25	

# E★Star® Cast Boosters

## 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.

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## E★Star Packaging Information

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

\*Inner carton can be used as D.O.T. shipping container

For more information and service locations in your area, please contact Austin Powder Company's headquarters:



**Austin Powder Company**  
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Cleveland, Ohio, USA 44122

Phone: 1-800-321-0752  
Fax: 1-216-464-4418  
Web: [www.austinpowder.com](http://www.austinpowder.com)  
Email: [info@austinpowder.com](mailto:info@austinpowder.com)

### SHELF LIFE

Five years from date of manufacture under good storage conditions.

### UN CLASSIFICATION

**Shipping Name:** Boosters  
**Class & Division:** 1.1D  
**ID Number:** UN 0042

### DOT REFERENCE NUMBER

EX-1993030285

### IN CASE OF EMERGENCY CALL

**CHEMTREC 800-424-9300**  
**Maritime 1-703-527-3887**  
International: dial access code + 00-1-703-527-3887

### **Disclaimer of Warranties and Limitations of Liabilities**

"Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages."