



# Hornet™ Cast Booster

## AUSTIN POWDER

A TRADITION OF SAFETY, STRENGTH AND SERVICE.

*High-Density Explosives for  
Primer Applications.*

### DESCRIPTION

Austin Powder Hornet Cast Boosters are high-density molecular explosives designed to produce high detonation pressures for optimum initiation of blasting agents. Austin Hornet Cast Boosters are specifically designed to accommodate detonators up to 4" (101.5mm) in length. The Hornet family of cast boosters is designed to be initiated by non-electric, electric and electronic detonators that are classified as a minimum of #8 "strength" (450mg or greater PETN) base charge. The Hornet family of cast boosters is "Detonator Only" sensitive. (Not for use with detonating cord)

### **BENEFITS**

- Austin Hornet 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.
- Bright "Red" container for added visibility on blast site.
- Optimized initiation energy for all booster sensitive explosives



### **SAFETY**

Austin Powder Cast Boosters are manufactured with molecular explosives consisting of PETN, RDX, HMX and TNT, all of which are sensitive to severe impact, heat or friction. As with all explosives, Cast Boosters must be transported, stored and handled with care. Avoid any impact with solid surfaces or other Cast Boosters, as the potential for a premature detonation or misfire is possible.

# Hornet Cast Boosters

## DIMENSIONS & TYPICAL USES

Product Name	Weight		Outside Diameter		Length		Units Per Case	Typical Uses
	[oz]	[g]	[in]	[mm]	[in]	[mm]	Units	
Hornet 50	8	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)
Hornet 75	12	340	2.07	52.6	4.85	123.2	60	Priming blasting agents in holes of 2 1/2" diameter or larger.
Hornet 100	16	454	2.35	59.7	4.85	123.2	50	Priming blasting agents in holes of 3" diameter or larger
Hornet 200	32	908	3.03	77	4.85	123.2	25	Priming blasting agents in holes of 4" diameter or larger.

## Hornet 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)
Hornet 50	2 each	1.14	0.032	53	24.04	50	22.7
Hornet 75	N/A	0.88	0.025	47	21.4	45	20.4
Hornet 100	N/A	0.93	0.0262	53	24	50	22.7
Hornet 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  
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Web: [www.austinpowder.com](http://www.austinpowder.com)  
Email: [info@austinpowder.com](mailto:info@austinpowder.com)

### 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.

### UN CLASSIFICATION

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

### DOT REFERENCE NUMBER

EX-1993030285

### IN CASE OF EMERGENCY CALL

**CHEMTREC 1-800-424-9300**  
**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."