

DC Cast Boosters

PRODUCT INFORMATION BROCHURE

Austin DC Cast Boosters are high-density molecular explosives designed to produce high detonation pressures for optimum initiation of blasting agents. Austin Cast Boosters can be furnished with a cap well and cord channel that facilitate primer assembly. The DC family of Cast Boosters is sensitive to a #8 strength (450mg PETN) base charge detonator, or 15 grain per foot or greater detonating cord.

ADVANTAGES

- Austin DC Cast Boosters detonate in excess of 24,000 ft/sec (7,380 m/sec).
- Over 200 kb of detonation pressure ensures optimum steady state velocity for blasting agents.
- Excellent shelf life, highly resistant to water and oil.



PROPERTIES

Product Name	Weight [g]	Outside Diameter		Length		Case Count		Typical Uses
		[in]	[mm]	[in]	[mm]	Inner Carton	Case Total	
Gold Nugget™	8	0.69	18	1.71	43	100	1,000	For priming all small diameter blasting agents underground. Use a detonator of at least a #8 strength.
Diamond Nugget™	20	0.69	18	3.00	76	50	500	

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.



AUSTIN POWDER

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DC Cast Boosters

STANDARD TECHNICAL DESCRIPTION

High-density explosives for primer applications

STANDARD PACKAGING DETAILS

Product Name	Weight		Outside Diameter		Length		Case Count	Typical Uses
	[oz]	[g]	[in]	[mm]	[in]	[mm]	Outer Case	
90 Gram	3.2	90	1.06	27	4.50	114	120	Priming seismic charges. Also secondary up-hole boosters in small diameter holes. Detonator and cord initiation. Use at least 50 grain detonating cord.*
Green Cap DC	5.3	151	1.43	36	4.50	114	64	Priming blasting agents in holes of 2" diameter or larger. <i>Detonator and cord initiation. Use 15 grain or greater detonating cord.</i> (Packaging – 4 x 40 units)*
Brown Cap DC	8	227	1.70	43	4.50	114	64	Priming blasting agents in holes of 2 1/2" diameter or larger. <i>Detonator and cord initiation. Use at least 15 grain detonating cord or greater.</i> (Packaging – 2 x 50 units)*
Red Cap	12	340	3.00	76	2.10	53	60	Priming blasting agents in holes of 4" diameter or larger. <i>Use 15 grain or greater detonating cord.</i>
Black Cap DC	12	340	2.05	52	4.60	117	49	Priming blasting agents in holes of 3" diameter or larger. <i>Detonator and cord initiation.</i>
Purple Cap	16	454	3.06	78	2.60	66	60	Priming blasting agents in holes of 4" diameter or larger. <i>Use at least 15 grain detonating cord.</i>
Orange Cap DC	16	454	2.33	59	4.50	114	36	Heavier booster for priming blasting agents in holes of 3" diameter or larger. <i>Detonator and cord initiation. Use at least 15 grain detonating cord or greater</i>
White Cap DC	32	900	3.06	78	5.10	130	18	Heavier booster for priming blasting agents in holes of 4" diameter or larger. <i>Detonator and cord initiation. Use at least 15 grain detonating cord or greater</i>
Rock Crusher #1	16	454	5.00	127	2.50	63.5	16	Use in secondary blasting applications to reduce oversize. For use with at least 25 grain detonating cord or detonator sensitive (secured to tail of the 50 grain detonating cord) Rock Crushers can be ordered as "CW" for use as detonator only.
Rock Crusher #2	32	900	6.25	159	3.00	76	12	



TRANSPORTATION DATA

UN CLASSIFICATION

Shipping Name: Boosters

Class & Division: 1.1D

ID Number: UN0042

US DOT REFERENCE NUMBER

EX-1993030285

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.

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



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