

TROJAN® NB Universal

Technical
Information



Superprime® Cord Sensitive Cast Booster



Product Description

TROJAN NB Universal cast booster is a detonator and detonating cord sensitive, high density, high energy, molecular explosive available in three sizes. TROJAN NB Universal is manufactured using a homogeneous mixture of pure pentolite for superior performance, reliability, consistency and durability and is especially designed to optimize initiation of all cast booster sensitive and/or detonator sensitive explosives. Each TROJAN NB Universal cast booster is manufactured with two internal through-tunnels and a detonator well for easy use with either detonating cord or commercial detonators. The bright yellow container enhances visibility on the bench and minimizes misplaced charges.

Application Recommendations

- **ALWAYS** use Dyno Nobel PRIMACORD® brand detonating cord with TROJAN NB Universal cast boosters for best results.
- **NEVER** use detonating cord with a coreload less than 3.8 g/m (18 gr/ft).
- Extremely low temperatures do not affect the performance of cast boosters with commercial detonators. Low temperatures do affect detonators and detonating cord. Be certain your initiation system is suitable for your application in extremely low

Properties

MSDS
#1108

Density (g/cc) Avg	1.60
Velocity (m/sec)	7,800
(ft/s)	25,600
Detonation Pressure (Kbars)	245
Water Resistance	6 months with no loss of sensitivity
Shelf Life Maximum	5 years (from date of production)
Maximum Usage Temperature	60°C (150°F)

All Dyno Nobel Inc. energy and gas volume values are calculated using PRODET™ the computer code developed by Dyno Nobel Inc. for its exclusive use. Other computer codes may give different values.

Hazardous Shipping Description

Boosters, 1.1D, UN 0042 PG II



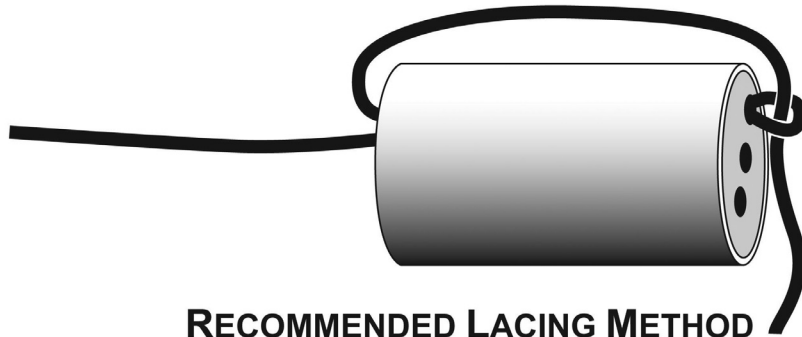
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temperatures. Cast boosters are more susceptible to breakage during handling in extremely cold temperatures.

- **NEVER** force the detonator into the through-tunnel, the detonator well or otherwise attempt to clear these areas if obstructed. If the through-tunnel or detonator well does not accommodate the detonator or detonating cord, do NOT use the booster. Notify your local Dyno Nobel representative.
- **ALWAYS** use Dyno Nobel recommended PRIMACORD[®] detonating cord threading procedures. When PRIMACORD[®] 4 (3.6 g/m; 18 gr/ft) detonating cord is used, ensure the detonating cord is looped and double-passed through the large through tunnel (see Recommended Lacing Method below).



RECOMMENDED LACING METHOD

Transportation, Storage and Handling

- Dyno Nobel cast boosters must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (5 years), Dyno Nobel cast boosters must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old.

Packaging

Unit Weight		Unit Dimensions				Case Quantity	Gross Weight/Case	
g	oz	Length		Diameter			kg	lbs
		cm	in	cm	in			
350	12	11.9	4.7	5.0	2.0	49	16.8	37.0
400	14	11.9	4.7	5.5	2.2	40	16.8	37.0
450	16	11.9	4.7	5.8	2.3	36	16.5	36.4
900	32	12.9	5.1	7.9	3.1	18	16.9	37.2

Note: All weights and dimensions are approximate.

Case Dimensions

42 x 33 x 14 cm

12.5 x 13 x 7.5 in

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