

# TROJAN® NB

## Technical Information



## Superprime® Cord Sensitive Cast Booster



### Product Description

TROJAN NB Superprime cast boosters are detonating cord sensitive, high density, high energy molecular explosives available in various sizes. They contain no internal sensitizers or boosters.

The TROJAN NB Superprime cord sensitive cast boosters are manufactured with two restricted cord tunnels supporting initiation with 3.8 g/m (18 gr/ft) PRIMACORD® detonating cord only. TROJAN NB Superprime cord sensitive cast boosters are made of a homogenous mixture of pure pentolite for superior performance, reliability, consistency and durability.

The chartreuse (safety green) container makes the TROJAN NB Superprime cord sensitive cast booster more visible on the blast site and reduces the possibility of misplaced charges.

### Application Recommendations

- **ALWAYS** use PRIMACORD brand detonating cord for best results.
- **NEVER** use detonating cord with a coreload other than 3.8 g/m (18 gr/ft).
- **ALWAYS** ensure the detonating cord goes through both cord tunnels.
- **NEVER** use a detonator with TROJAN NB Superprime cord sensitive cast boosters.

## 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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Misfires may result causing injury or death.

### Application Recommendations (continued)

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

### 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 Effective April 2012

Part Number	Unit Weight		Unit Dimensions				Case Quantity	Gross Weight/Case	
	g	oz	Length		Diameter			kg	lbs
			cm	in	cm	in			
CS0225A	225	8	8.6	3.4	4.9	1.9	48	12.3	27.1
CS0350A	350	12	8.6	3.4	6.0	2.4	35	12.8	28.3
CS0450A	450	16	8.6	3.4	6.9	2.7	25	12.3	27.0

### Packaging Prior to April 2012

Part Number	Unit Weight		Unit Dimensions				Case Quantity	Gross Weight/Case	
	g	oz	Length		Diameter			kg	lbs
			cm	in	cm	in			
CS0225	225	8	8.6	3.4	4.9	1.9	70	16.5	36.3
CS0350	350	12	8.6	3.4	6.0	2.4	50	18.3	40.4
CS0450	450	16	8.6	3.4	6.9	2.7	36	17.6	38.9

**Note:** All weights and dimensions are approximate.

### Case Dimensions

<b>Effective</b> April 2012	45	75 x 33	x	9.5	cm	18	x	13	x	3.75	in	
<b>Prior</b> to April 2012	33	x	33	x	18	cm	12.875	x	13	x	7.25	in

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