

# TROJAN<sup>®</sup> RINGPRIME<sup>®</sup> Cast Boosters

Technical  
Information



## Description

The TROJAN<sup>®</sup> Ringprime<sup>®</sup> cast booster is a detonator sensitive, high density, high-energy molecular explosive, cast into a plastic shell. It has a single tunnel and cap well located centrally in the booster.

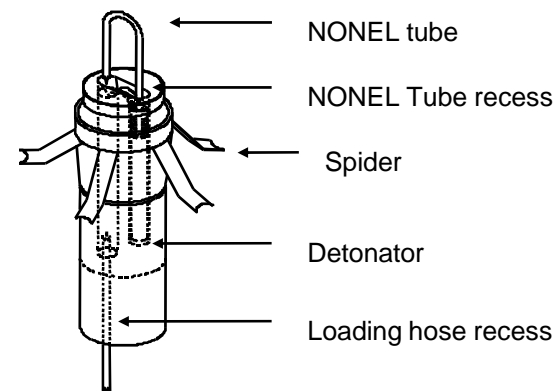
TROJAN Ringprime boosters are formulated from the highest quality PETN and other high explosive materials ensuring reliability, consistency and durability in underground environments.

## Application

The TROJAN Ringprime Cast Booster is specifically designed for use in underground angled or vertical upholes. It is ideal for priming 64mm to 159mm upholes loaded with ANFO, cartridge or bulk emulsion products.

## Properties

Explosive Type	PETN/TNT
Nominal Density (g/cc)	1.62
Ideal Velocity of Detonation (m/sec)	7300
Ideal Detonation Pressure (kBar)	216
Nominal Mass (g)	250
Trojan Ringprime	
Diameter (mm)	37
Length (mm)	175
SPIDER	
Hole Diameter 125	64 – 102(mm)
Hole Diameter 187	100 – 159(mm)



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## Features & Benefits

- The explosive composition achieves high detonation pressure which, when combined with the booster's design and weight, ensures maximum priming efficiency.
- The TROJAN Ringprime Cast Booster will accept both NONEL® and SmartShot electronic detonators.
- The top of the TROJAN Ringprime Cast Booster wells are recessed to protect the initiation line from damage.
- A detachable spider is designed to centrally locate and lock the booster in the hole. It is designed to unlock in the event the unit needs to be retrieved.
- The recessed bottom allows the insertion of a loading hose to assist in positioning the primer.

## Recommendations

**Use** - Snap on the spider assembly and insert the detonator through the tunnel and into the cap well. Insert the loading hose into the recess at the bottom of the TROJAN Ringprime Cast Booster and gently push the assembly into position using the loading hose. The spider legs will lock into the side of the uphole and secure the TROJAN Ringprime Cast Booster in place.

A firm grip on the NONEL tube or leg wires must be maintained while loading to prevent the loss of the initiation line.

**Priming Requirement** - The TROJAN Ringprime Cast Booster is reliably initiated using a No. 8 strength detonator. The TROJAN Ringprime Cast Booster is 10 g/m detonating cord sensitive - although it is not a recommended practice to use 10 g/m detonating cord in the hole.

**Water Resistance** - The TROJAN Ringprime Cast Booster exhibits excellent resistance to water.

**Temperature Range** - The TROJAN Ringprime Cast Booster is recommended for use in up to 70 °C temperatures.

**Shelf Life** - The TROJAN Ringprime Cast Booster has a recommended shelf life of five (5) years under ideal transportation and storage conditions.

**Sleep Time** - The sleep time of the TROJAN Ringprime Cast Booster may be limited to the recommended sleep time of the explosive it is priming or the recommended sleep time of the initiation system.

## Packaging

TROJAN Ringprime	42 units per case
Net Case Weight	10.5 kg
Case Dimensions	180 x 330 x 330
Spider	70 units per case (separate)

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Safe handling, transportation & storage

**First Aid** - Detailed first aid information regarding this product is contained on the relevant Dyno Nobel Material Safety Data Sheet.

**Safety** - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

**Transportation and Storage** - All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

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The information and suggestions contained in this document concern explosive products that should only be dealt with by persons having the appropriate technical skills, training and licence. The results obtained from the use of such products depend to a large degree on the conditions under which the products are stored, transported and used.

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VERSION NO.: 6.0  
Last Updated: 11/09

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**Groundbreaking Performance**