

Ringprime® Cast Booster

Technical
Information



Description

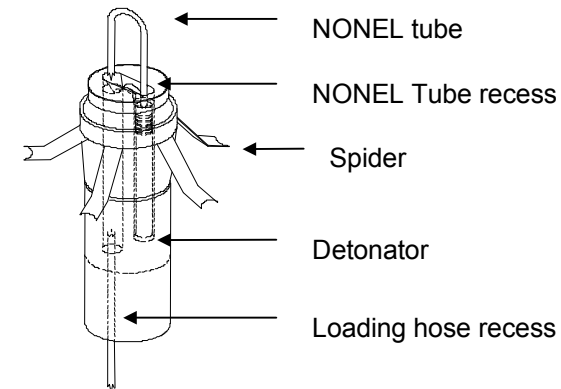
The Ringprime® Cast Booster is a high density, high detonation pressure booster cast into a plastic shell. It has a single tunnel and cap well located centrally in the booster.

Application

The 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
RINGPRIME	
Diameter (mm)	37
Length (mm)	175
SPIDER	
Hole Diameter 125	64 – 102(mm)
Hole Diameter 187	100 – 159(mm)



DYNO NOBEL
Asia Pacific Limited
Level 20, 111 Pacific Hwy,
North Sydney, NSW 2060
Australia

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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 Ringprime Cast Booster will accept both NONEL® and electric initiation systems.
- The top of the 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 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 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 Ringprime Cast Booster is reliably initiated using a No. 8 strength detonator. The 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 Ringprime Cast Booster exhibits excellent resistance to water.

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

Shelf Life - The 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 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

Ringprime	28 units per case
Net Case Weight	7 kg
Case Dimensions	300 x 270 x 200
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.

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.

While Dyno Nobel makes every effort to ensure the details contained in the document are as accurate as possible, the conditions under which the products are used are not within its control. Each user is responsible for being aware of the details in the document and the product applications in the specific context of the intended use. If technical advice is required in the specific application of the products then you should contact Dyno Nobel for assistance.

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Asia Pacific Limited
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