

TECHNICAL DATA SHEET

Lubaex™ Edderkop™ Booster



Technical Properties

Maximum hole diameter

- Small spider	105 mm
- Big spider	165 mm

Nominal diameter

- Shell	42 mm
- Small spider	127 mm
- Big spider	189 mm

Nominal length

Nominal mass	250 g
Nominal density	1.7 g/cm ³
Velocity of detonation	7.2 km/s
Shell color	Green

Description

Lubaex™ Edderkop™ boosters have been specially designed for use in underground upholes. They consist of a plastic shell filled with a high explosive composition. Two longitudinal tunnels in the boosters are offset to avoid abrasion damage to signal tube or leadwires by the loading hose. At the base of the booster the tunnels are joined by a smooth, curved channel, which protects the detonator signal tube or lead wire from kinking and from sharp and rugged objects.

Additional to the booster is a slip-on spider, which allows the Lubaex™ Edderkop™ booster to be easily pushed into the hole but retains its intended central position in the blasthole. Lubaex™ Edderkop™ boosters can securely hold the detonator in place during loading, while still enabling safe removal of the detonator if required.

Safety

Lubaex™ Edderkop™ boosters contain molecular explosives, which can be initiated by intense impact, friction or heat. As with all high explosives, Lubaex™ Edderkop™ boosters should be handled and stored with care.

Boosters must be handled with care and avoid impact with a solid surface or another booster. Any such collision may cause damage that could lead to a misfire, or a premature initiation. Lubaex™ Edderkop™ boosters may be used at temperatures up to 70°C. DO NOT use these boosters with any detonator, which cannot be completely



contained within the booster. If this is not observed, damage to the detonator may occur during charging which may lead to a premature detonation.

Lubaex™ Edderkop™ boosters are supplied in Class 1.1D packaging and have UN Number 0042.

Application

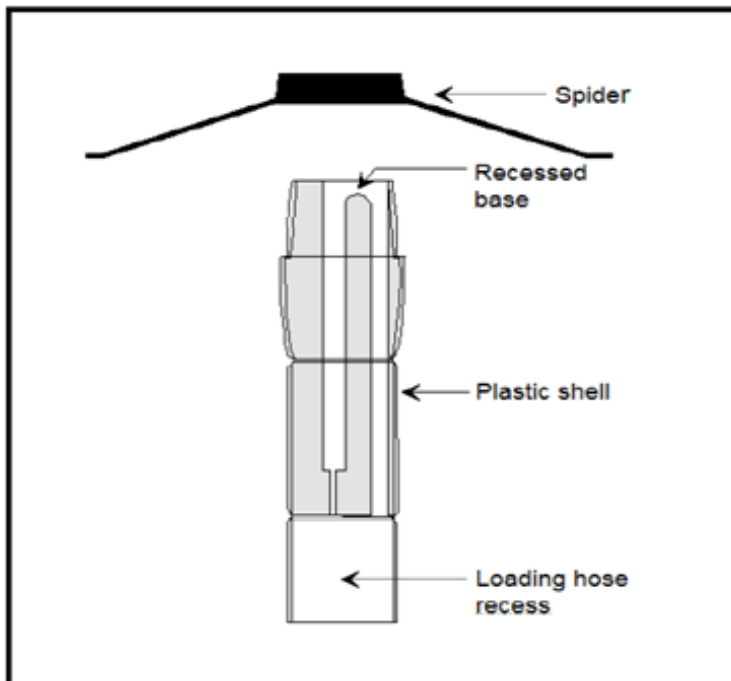
Lubaex™ Edderkop™ boosters are reliably initiated by detonators or by detonating cords containing at least 10 g/m PETN. Lubaex™ Edderkop™ boosters are designed to initiate commercial explosives in hole diameters up to 165 mm. Lubaex™ Edderkop™ boosters will function reliably in any depth of water encountered in the mining environment.

Recommendations For Use

Push the detonator through the side tunnel, and then back through the hole in the center tunnel. Place the loading hose into the recess and push the Lubaex™ Edderkop™ complete with detonator gently up to the hole to the desired location.

Withdraw the loading hose approximately 150 mm and begin explosive loading, making sure the detonator signal tube is not coiled or twisted in the hole.

Excessive force should not be applied to signal tubes connected to in-hole detonators and boosters. If a booster becomes stuck when attempting to retrieve or reposition it, a replacement unit should be used.



Packaging

Lubaex™ Edderkop™ boosters are packed in cardboard cases. The case dimensions are 0.356 m x 0.261 m x 0.135 m. A case weighs 9 kg and contains 30 boosters.

Lubaex™ Edderkop™ Spiders are purchased separately.

Storage and Handling

Product Classification

Authorized Name: Lubaex™ Edderkop™

Proper Shipping Name: Boosters, without detonator

UN No: 0042

Classification: 1.1D

All regulations pertaining to the handling and use of such explosives apply. These boosters should be stored in a cool, dry magazine licensed for 1.1D explosives, and oldest cases should be used first. Lubaex™ Edderkop™ boosters have a maximum shelf life of 5 years in good storage conditions.