

VIPER BOOSTERS™

High strength priming charges

Product description

Viper Boosters™ consist of an explosive charge of high strength and high detonation velocity, designed to be used in the explosive initiation sequence between an initiator or primer and the main charge, mostly non cap-sensitive blasting agents.

Cast Viper Boosters™ are enclosed in a cylindrical printed shell and contain a mixture of RDX and TNT. A PETN capsule positioned internally near the detonator well ensures reliable initiation when using 3.6 g/m detonating cord.



Application

Reliable initiation of booster sensitive blasting agents for surface mining, quarries and civil works.

Features

- **Appearance** – smooth and clean, with both ends covered
- **Cap well and cord tunnel** – smooth and straight with no distortion or blockage
- **Velocity of detonation** – minimum 8 000 m/s
- **Cast density** – minimum 1.8 g/cm³
- **Sensitivity** – reliable initiation by standard detonator or 3.6 g/m detonating cord
- **Water resistance** – retains sensitivity after being immersed in water at 100 PSI
- **Consistency** – free from cracking

Recommendations

- **Temperature range** – recommended for use in temperatures up to 70 °C
- **Shelf life** – Minimum shelf life of 5 years
- **First aid** – refer to Material Safety Data Sheet for first aid information
- **Safety** – all explosives are classified as dangerous goods and can cause death, personal harm or damage to property if not used correctly
- **Transportation and storage** – all explosives must be transported in accordance with relevant regulations and must be stored in a cool, dry, well ventilated magazine

Packaging

	VIPER 150™	VIPER 400™	VIPER 800™
Unit weight	150 gram	400 gram	800 gram
Units per case	90 units	35 units	16 units
Net weight per case	13.5 kg	14 kg	12.8 kg
Diameter	36 mm	54 mm	78 mm
Length	125 mm	125 mm	120 mm

Product risk profile

- Classified as hazardous substance, dangerous goods – with mass explosion hazard
- Stable under normal storage and handling conditions
- May explode when exposed to fire, especially when confined
- May explode when subjected to high energy projectile impact
- May emit toxic and/or irritating fumes during thermal decomposition
- Incompatible with corrosives

UN Classification (Transport)

UN Classification Transport Boosters, without detonator Class 1.1D, UN No. 0042, BOOSTER, without detonator, ZA-X: 441