

# RIOBOOSTER<sup>PLUS</sup>

Detonator Sensitive Cast Booster

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Detonator Sensitive Cast Booster

RIOBOOSTERS are cast with pentolite which, when suitably initiated by a RIONEL MS detonator, will provide the high detonation pressures required for priming of RIOFLEX™ and RIOXAM™ bulk explosives.

RIOBOOSTERS are manufactured to the highest of standards in three sizes ideally suited for all applications.

RIOBOOSTERS have been designed to allow for maximum protection of the RIONEL™ detonator.

RIOBOOSTERS will accept all MAXAM RIONEL™ range of detonators as well as RIOTRONIC™ electronic detonators and MAXAM seismic and electric detonators.

RIOBOOSTERS are not designed for use with RIOCORD™ of less than 6g (400g RIOBOOSTERS) and 10g (150g RIOBOOSTERS) or detonators less than No 8 strength.

### Advantages

- Safe, reliable and flexible
- Protects detonator
- Variable size to suit application
- Accepts all MAXAM initiating systems
- High detonation pressure output
- Able to be immersed in water for several hours



### DESCRIPTION

MAXAM Cast RIOBOOSTERS are high energy explosives designed to provide detonation pressure sufficient to initiate explosives such as RIOXAM™ and RIOFLEX™.

Cast 150g, 250g and 400g RIOBOOSTERS are specially moulded to accept RIONEL™ detonators. These boosters are water and oil resistant and can withstand long periods of storage.

Cast RIOBOOSTERS are available in three sizes and are designed to be used with electric, non electric and electronic detonators as well as certain strength RIOCORD™. RIOCORD™ of less than 6 grams (for 400g RIOBOOSTERS) and 10 grams (for 150g RIOBOOSTERS) or detonators of less than a No 8 strength are not recommended for initiation of cast RIOBOOSTERS.

RIOBOOSTER 250g booster is not designed for use with RIOCORD and contains no through channel for the detonating cord.

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## Storage and Shelf Life

Cast RIOBOOSTERS may deteriorate over several years with age. Use oldest stock first.

The shelf life of Cast RIOBOOSTERS is dependent upon the product being stored in moderate temperatures in dry, well ventilated magazines for Class 1.1D explosives.

RIOBOOSTERS have a shelf life of four (4) years from the date of manufacture when stored in a cool, dry magazine for class 1.1D explosives.

## Standard Packaging Class 1.1D (Nominal Values)

RIOBOOSTERS	Net Weight (kg)	Gross Weight (kg)	Number of Units
150g	13.5	14.9	90
250g	14.0	15.5	56
400g	14.4	15.8	36



## Transport Classification

Class 1.1D UN 0042

RIOBOOSTERS	Velocity of Detonation	Detonation Pressure	Density	Diameter	Length
150g	7600 ms	>20MPa	1.60	36.4mm	108mm
250g	7600 ms	>20MPa	1.60	46mm	114mm
400g	7600 ms	>20MPa	1.60	58mm	110mm



### GENERAL INFORMATION

Read this Technical Data Sheet and the Material Safety Data Sheet carefully before using RIOBOOSTER product. RIOBOOSTERS must not be used in flammable environments such as methane and coal dust. MAXAM strongly recommends not to use RIOBOOSTER with detonators and or initiation systems supplied by other manufacturers in the same blast and declines all responsibility in these cases. RIOBOOSTERS must be stored at moderate temperatures between -5°C and 45°C in dry, well ventilated conditions and in accordance with local regulations.

### LEGAL WARNING AND EXCLUSION OF RESPONSIBILITY

The information included in this document is subject to variations depending on the usage of the products as well as external factors such as temperature, humidity and pressure. The products described in this document are potentially dangerous and must be used and handled by competent staff only, following the applicable regulations. This document does not constitute contractual content and cannot be considered a contract. According to this document, MAXAM does not assume any obligation, responsibility or guarantee with third parties. The information contained in this sheet is valid as at 03 August 2016. To ensure the user has all the latest information about the use and handling of this product please visit [www.maxam.net](http://www.maxam.net) and or check with your local MAXAM representative.

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