JOHNEX explosives

ECONOTRIM BUTTBUSTER® REACTIVE GROUND (RG)

JOHNEX ECONOTRIM BUTTBUSTER® RG is a one-piece custom length bright yellow semi rigid coiled charge designed for rapid charging of perimeter boreholes in underground mines where **elevated temperatures** and **reactive ground** are common.

APPLICATION

Specifically designed for delivering smooth walls and a safer controlled blast in reactive ground development headings.

FEATURES AND BENEFITS

- Protective anti-static tube acts as a physical barrier in reactive and elevated temperature ground (temperature resistant up to 130°C)
- Internal inhibited agent prevents sulphide prevention and increases sleep time in reactive ground
- High energy flared end eliminates the need for a separate primer.
- High velocity of detonation (VOD) minimizes geological stress and reduces overbreak to an average of 4%
- Decoupled charge produces precision shearing which minimises the need for rebogging
- Charging time is reduced by up to 50%
- Reduces scaling times substantially (50%-70%)
- Reduces shotcrete coating by an average of 30%
- Precision blasting provides improved safety with regard to ground control and reduces potential rockfall
- Oxygen balanced explosive
- Prefitted retention spiders eliminate the need for stemming
- Jumbo downtime is reduced due to precision shearing and less scaling
- Waterproof
- Vastly superior shelf life to comparable perimeter products
- Customised charges are manufactured to suit individual borehole depths

PHYSICAL PROPERTIES

PRODUCT	NOMINAL DENSITY (g/cm^3)	ACTUAL LENGTH (m)	TO SUIT BORE HOLE DEPTH (m)	DIAMETER (mm)	VOD (m/s)	PRIMER LENGTH (mm)
ECONOTRIM BUTTBUSTER® RG 200	1.04	2.0	2.4	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 240	1.04	2.3	2.8	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 312	1.04	2.7	3.1	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 330	1.04	3.1	3.5	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 378	1.04	3.3	3.3	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 412	1.04	3.8	3.6	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 456	1.04	4.1	4.5	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 500	1.04	4.6	5.1	21	6500-7000	300
ECONOTRIM BUTTBUSTER® RG 530	1.04	5.1	6.0	21	6500-7000	300
Relative Weight Strength: 126%*						
Relative Bulk Strength: 134%*						
Explosive Class: 1.1D UN Number: 0082						

*Relative Weight Strength and Relative Bulk Strength are calculated using an in-house Thermodynamic code. This traditional way of calculating energy is directly related to density and does not take into account the distribution of energy.

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ECONOTRIM BUTTBUSTER® REACTIVE GROUND (RG)

STANDARD PACKAGING

PRODUCT	COILS PER CASE	WEIGHT (KG)	BOXES PER PALLET
ECONOTRIM BUTTBUSTER® RG 200	24	25	16
ECONOTRIM BUTTBUSTER® RG 240	22	25	16
ECONOTRIM BUTTBUSTER® RG 312	19	25	16
ECONOTRIM BUTTBUSTER® RG 330	17	25	16
ECONOTRIM BUTTBUSTER® RG 378	16	25	16
ECONOTRIM BUTTBUSTER® RG 412	15	25	16
ECONOTRIM BUTTBUSTER® RG 456	13	25	16
ECONOTRIM BUTTBUSTER® RG 500	12	25	16
ECONOTRIM BUTTBUSTER® RG 530	11	25	16

STORAGE AND HANDLING

Store in a cool, dry and ventilated licenced magazine as per AS2187.1

SHELF LIFE

ECONOTRIM BUTTBUSTER® RG has a shelf life of 10 years when stored in a cool, dry and ventilated licenced magazine as per AS2187.1

SAFETY

ECONOTRIM BUTTBUSTER® RG is an explosive substance that may be initiated by friction, impact, shock or heat. Handling is restricted to trained and authorised personnel only.

For more information please consult the Safety Data Sheet.

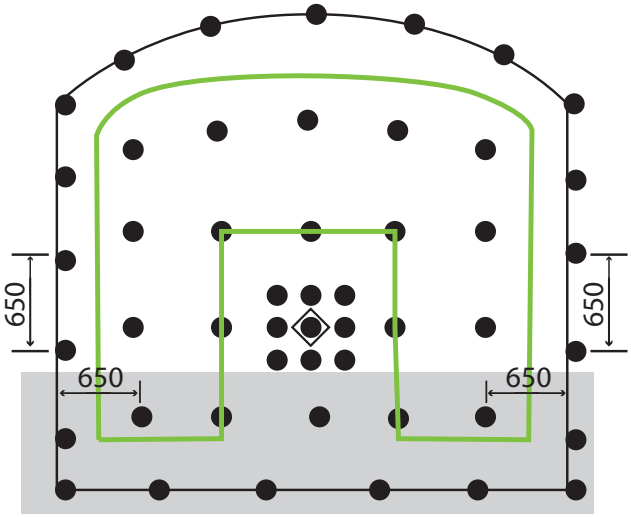
ADDITIONAL INFORMATION

Recommended Perimeter Borehole Spacing 600-700mm

Recommended Perimeter Borehole Uncharged Collar 400 - 500mm

Recommended Burden 600-700mm

Recommended Burden Hole Uncharged Collar (ANFO) 600-700mm



RECOMMENDED UNDERGROUND DEVELOPMENT HEADING
Tie in 5g Detonating cord to be < 500mm from perimeter holes (shown in green)

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