JOHNEX explosives

ECONOTRIM BUTTBUSTER®

JOHNEX ECONOTRIM BUTTBUSTER® is a one-piece custom length bright yellow semi rigid coiled charge designed for rapid charging of perimeter boreholes in underground mines.

APPLICATION

Specifically designed for delivering smooth walls and a safer controlled blast in development headings and shaft sinking.

FEATURES AND BENEFITS

- 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 (no nitroglycerine)
- 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® 200	1.04	2.0	2.4	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 240	1.04	2.3	2.8	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 312	1.04	2.7	3.1	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 330	1.04	3.1	3.5	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 378	1.04	3.3	3.8	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 412	1.04	3.8	4.3	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 456	1.04	4.1	4.5	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 500	1.04	4.6	5.1	21	6500-7000	300
ECONOTRIM BUTTBUSTER® 530	1.04	5.1	6.0	21	6500-7000	300
Relative Weight Strength: 131%*						
Relative Bulk Strength: 139%*						
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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STANDARD PACKAGING

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

STORAGE AND HANDLING

Store in a clean well ventilated & dry magazine licensed for Class 1 Explosives.

SHELF LIFE

ECONOTRIM BUTTBUSTER® has a shelf life of 10 years when stored as per AS2187.1.

SAFETY

Although ECONOTRIM BUTTBUSTER® is oxygen balanced, users should ensure that adequate ventilation is provided prior to re-entry to the blast site. As with all explosives, ECONOTRIM BUTTBUSTER® can be initiated by shock, friction or mechanical impact and should thus be handled and stored with care.

For more information please consult the Material Safety Data Sheet.

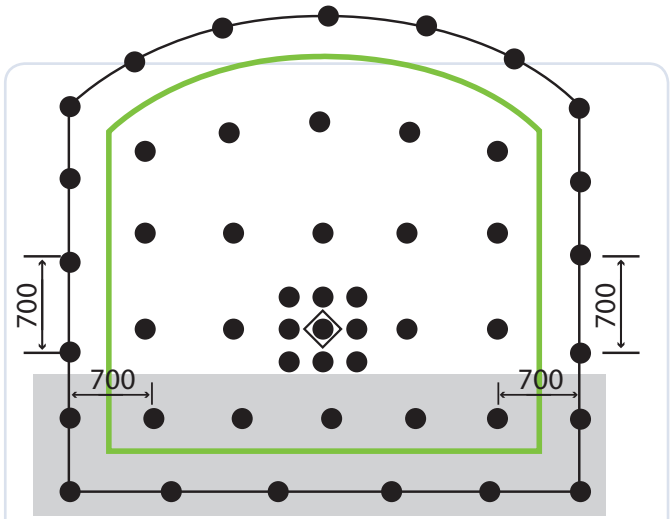
ADDITIONAL INFORMATION

Recommended Perimeter Borehole Spacing 700mm

Recommended Perimeter Borehole Uncharged Collar 400 - 500mm

Recommended Burden 600-700mm

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



RECOMMENDED UNDERGROUND DEVELOPMENT HEADING

- Use same delay on all perimeter holes
- Tie in 5g Detonating cord to be < 300mm from perimeter holes (shown in green)

ECONOTRIM BUTTBUSTER® – TECHNICAL DATA SHEET

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