

JOHNEX explosives

MIGHTY ATOM

Pentolite primer

JOHNEX MIGHTY ATOM is a high density supersonic velocity primer consisting of pentolite which provides the ultimate in primer performance. The JOHNEX MIGHTY ATOM (32mm outer diameter) provides directional firing with four times the detonating pressure of cartridged emulsion.



Commonly used in underground development headings and in small diameter boreholes in open pit blasting to initiate emulsions or ANFO. The JOHNEX MIGHTY ATOM is compatible with No. 8 strength detonators.

FEATURES AND BENEFITS

- Unique lock in capwell provides a totally safe protected environment for the detonator
- Supersonic VOD increases performance of ANFO and emulsions at the butt where it is needed
- Detonation pressure. Pentolite formulation produces 4 times higher detonation pressure than cartridge emulsion & increases the blast advance by 7% on average
- Directional firing. Designed to eliminate butts by focusing the shockwave towards the butt.
- User friendly. Specialised custom shape saves time when charging
- Deadpress. Unlike emulsion cartridges, deadpress is totally eliminated
- Locking mechanism. Positive detonator locking mechanism ensures correct location and retention of the detonator
- 100% water resistant

To the second se						
STANDARD PACKAGING						
Product	Nominal Mass (g)	Nominal Diam (mm)	Nominal Length (mm)	Units per Case	Nominal Case Mass (kg)	

Compact miniature box size takes up less space in the charge-up basket and magazine.

2.5 development blasts per case on average.

Each JOHNEX MIGHTY ATOM comes as a sealed plastic container.

STORAGE AND HANDLING

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

SHELF LIFE

Mighty Atom

JOHNEX MIGHTY ATOM recommended shelf life is ten (10) years when stored as per AS2187.1.

PHYSICAL PROPERTIES

Composition	60% PENT - 40% TNT			
Nominal Density	1.65g/cm ³			
Nominal Detonating Pressure	22.50 GPa			
Velocity of Detonation	7400 m/s			
Colour	Various High Visibility Colours			
Explosive Class: 1.1D UN Number: 0042				

SAFETY

JOHNEX MIGHTY ATOM cast primers contain an explosives compound called pentolite which should be handled with the same care as all other detonator sensitive explosives. JOHNEX MIGHTY ATOM uniquely sealed capsules minimise potential initiation through accidental impact.

For more information please consult the Material Safety Data Sheet.



PRODUCT DISCLAIMER: The information contained in this technical bulletin is believed to be accurate, but cannot possibly cover every application or variation of conditions under which the product is used or tested. The specifications herein are based on the manufacturer's experiences, research and testing. Johnson Hi-Tech (Australia) Pty Ltd trading as Johnsor Explosives can not anticipate or control conditions under which this information and its products may be used. Each user is responsible for being aware of the details in the technical bulletin and the product applications in the specific context of the intended use. Johnson Hi-Tech (Australia) Pty Ltd will not be responsible for damages of any nature resulting from the use or reliance upon the information. No express or implied warranties are given other than those implied as mandatory by Commonwealth, State or Territory legislation.