



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 cartridge emulsion.

APPLICATION

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

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	



STANDARD PACKAGING

Product	Nominal Mass (g)	Nominal Diam (mm)	Nominal Length (mm)	Units per Case	Nominal Case Mass (kg)
Mighty Atom	75	32	130	100	8

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

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

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.