

## MIGHTYPRIME® Pentolite primer

JOHNEX MIGHTYPRIME® is a high density supersonic velocity primer consisting of pentolite which provides the ultimate in primer performance. JOHNEX MIGHTYPRIME® 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 MIGHTYPRIME® 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 <sup>3</sup>
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)
MIGHTYPRIME® 100	100	28	130	100*	10
MIGHTYPRIME® 150	150	35	123	96	14.4

\* can be packaged as 105 per case

Compact miniature box size takes up less space in the charge-up basket and magazine. Box dimensions (LxWxH): 293x153x309mm.

2.5 development blasts per case on average.

Each JOHNEX MIGHTYPRIME® 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 MIGHTYPRIME® recommended shelf life is ten (10) years when stored as per AS2187.1.

### SAFETY

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

For more information please consult the Safety Data Sheet.