M2

High Explosive Fragmentation Warhead

The ordnance payload achieves the efficient blast-fragmentation effect by means of high lethality fragments (balls) and by means of air shock wave (blast effect of detonated explosive charge). The ordnance body is made of high resistant plastic, with one cavity in the rear part for accommodating a separate activation unit Smart Safety and Arming Mechanism. This is a non-contact and safety-arming device type, and is activated remotely as per the user's commands.

The explosive ordnance payloads are effective against the human target and soft skinned but non-armored vehicle. Explosive is non sensitive on bullet impact 23 mm APIT and on effects of open flame and high temperature.

The High Explosive Fragmentation Warhead M2 for the ground special vehicle system consists of:

- Blast-fragmentation warhead with glass-plastic bonded balls (fragmentation layer) and
- Smart Safety and Arming Mechanism.

TECHNICAL DATA:

• Size	≤ 138 ±2 × 400 ±2 × 220 ±2 mm
• Total mass	19.8 ±0.3 kg
• Mass of explosive	10.8 kg
• Number of balls (Ø8 mm)	~ 2600 pcs.
• Effective range (Human target)	> 40 m
• Effective range (Soft skinned vehicle)	> 30 m (2 mm steel sheet)
• Maximum fragment rangeup to	300 m
• Effective lethal azimuth coverage	60°
• Effective lethal elevation coverageat	40m > 5°/at 30m > 5°
• Operational temperature range	- 30°C up to +65°C
• Warhead safety and operational criteria	MIL-STD 810G
• MIL-STD-2105B	