

BLU-108 SUBMUNITION

Sensor fuzed submunition with clean battlefield protection



Clean battlefield operation

The Sensor Fuzed Weapon (SFW) is far superior to older, traditional cluster weapons which are known to have dud-rate problems. Textron Defense Systems' SFW contains our own BLU-108 submunition and smart Skeet warheads that are equipped with dual-mode passive infrared and active laser sensors. If a Skeet warhead does not detect a valid target over its lofted trajectory, one of its three safety modes will activate. The first 2 modes enable the Skeet to self destruct after 8 seconds from launch or within a 50ft altitude above the ground. The Skeet's third feature is a time out device that will yield the warhead inert minutes after hitting the ground. The built in redundant self-destruct logic and time out features are key elements that distinguish SFW from traditional CBU's and ensure a clean battlefield.

BLU-108 SUBMUNITION

Halt invading forces with superior lethality and clean battlefield protection

The BLU-108 sensor fuzed smart submunition from Textron Defense Systems was developed in partnership with the U.S. Air Force (USAF) as part of our Sensor Fuzed Weapon (SFW) air-to-surface munition. In production since 1992 and combat proven in Operation Iraqi Freedom (OIF) as part of the SFW, BLU-108 was designed to accurately detect and defeat multiple threat targets. Battlefield Damage Assessment (BDA) reports from OIF indicate excellent BLU-108 wartime performance against various armored threats.

Proven Effectiveness and Reliability

BLU-108 contains four smart Skeet warheads that feature two built-in redundant self-destruct logic modes. Additionally, a timed self-deactivation mode renders any unexploded warhead harmless within seconds after delivery, leaving a clean battlefield. Equipped with both dual-mode passive infrared and active laser sensors, each warhead can halt an invading force by simultaneously detecting and engaging fixed and moving land combat and maritime targets.

BLU-108 is capable of integration into a number of weapon systems, including:

- Textron Defense Systems Universal Aerial Delivery Dispenser (U-ADD)
- Lockheed Martin's MGM-140 ATACMS
- AGM-158 JASSM
- Unmanned Air Vehicles (UAVs); and future cruise missiles.
- Raytheon's AGM-154B JSOW
- M30 GMLRS
- Raytheon's R/UGM-109 Tomahawk

BLU-108 is proven effective to defeat a variety of target types, from heavy armored battle tanks to soft-skinned vehicles, including parked aircraft, mobile radars and jammers, air defense vehicles and support vehicles. Testing against littoral targets is underway. BLU-108 has also been effectively tested against small swarming boat targets. Testing against littoral targets has proven BLU-108's effectiveness against small swarming boat targets.

Smart Sensor Technology

Once deployed, the smart Skeet warhead with its two-color infrared (IR) sensor searches for targets that match a defined set of IR requirements, while the laser sensor profiles those targets for improved aim point and lethality. When a valid target is detected, the Skeet warhead fires a copper Explosively Formed Penetrator (EFP) and 16-fragment outer ring from within its center core, to effectively perforate hardened steel and instantly defeat the target from the top — its most vulnerable area.

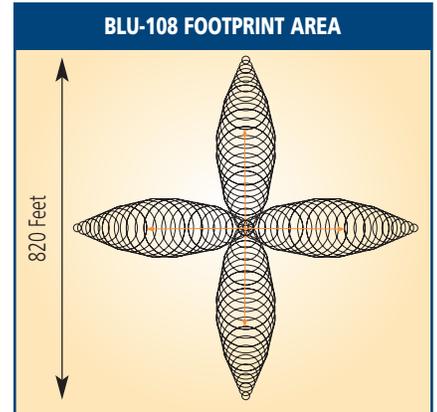
Technical Specifications

Easy Integration With Carrier Vehicles

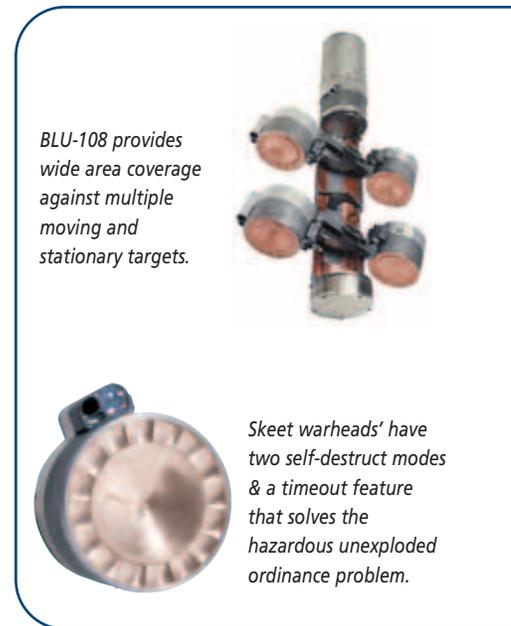
- No electrical input requirement
- No signal input requirement
- Long storage life in host vehicle

Overall Dimensions

- Length.....31" (79 cm)
- Cylinder Diameter5.25" (13.3 cm)
- Maximum Lateral Dimension7.25" (18.4 cm)
- Maximum Weight (BLU-108)64 lb (29 kg)
- Skeet Warhead Weight7.5 lb (3.4 kg)



Once released, each Skeet warhead searches out valid targets within its coverage footprint.



BLU-108 provides wide area coverage against multiple moving and stationary targets.

Skeet warheads' have two self-destruct modes & a timeout feature that solves the hazardous unexploded ordnance problem.



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