SELECTIVELY TARGETED SKEET

The smart way to defeat individual land combat vehicles

Lightweight design, flexible deployment, proven results

From the company that delivered the combat-proven Sensor Fuzed Weapon (SFW) and BLU-108 "smart" submunition, comes the revolutionary Selectively Targeted Skeet (STS) Submunition. Textron Systems' STS evolved directly from our own BLU-108 Sensor Fuzed Submunition — a weapon proven highly effective in Operation Iraqi Freedom.

Designed for deployment from a variety of cruise missiles, lethal Unmanned Air Vehicles (UAVs) and loitering weapons, the STS provides the same lethality delivered by BLU-108. Its lightweight design and flexible deployment mechanism make the STS compatible with a number of weapon systems and aircraft. Due to its significant commonality with the BLU-108 Skeet, Textron Systems can leverage its current BLU-108 Skeet production line to quickly produce an STS product to suit specific customer requirements.

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Reduce Collateral Damage

Each STS submunition is individually deployed to engage a single "selected" target. Its small size and precision shoot-to-kill Explosively Formed Penetrator (EFP) warhead substantially reduce the risk of collateral damage. Whether targets are moving or fixed, the STS can effectively neutralize a variety of combat threats, from heavy armored battle tanks to soft-skinned vehicles, including parked aircraft, mobile radars and jammers, air defense vehicles and support vehicles.

Samara Wing Design

Unique to Textron Systems' STS is the Samara Wing, a weighted fabric blade stowed onboard the submunition prior to ejection. The STS is deployed spinning from its host carrier; the Samara Wing then unfolds, providing an aerodynamic auto-rotation and proper tilt of the submunition. An internal solid propellant spin rocket is available for applications where the delivering vehicle cannot input initial spin.

Smart Sensor Technology

Once deployed, the STS skeet warhead uses its dual-mode active/passive sensor to detect targets below. Its two-color passive 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 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.

Clean Battlefield Operation

Textron Systems' STS submunition features built-in redundant self-destruct logic. If a Skeet warhead does not detect a valid target within its search area, it will self-destruct. Additionally, a timed self-deactivation mode renders any unexploded warhead harmless within minutes after delivery. Together, these safety features ensure clean battlefield operation.

Technical Specifications

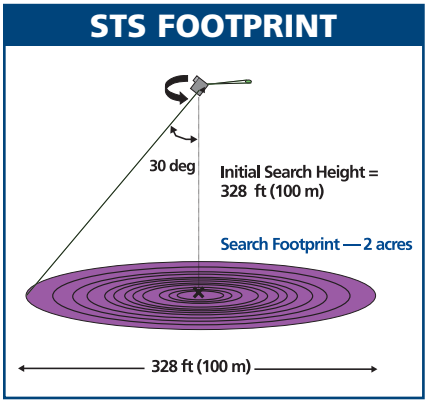
- Easy integration with a variety of missile and unmanned air vehicle (UAV) systems
- Light weight construction
- Long storage life in host vehicle (wooden round)
- Small, compact shape

Overall Dimensions

Length: Less than 6" (15.24 cm)

Nominal Cylinder diameter: 5.0" (12.7 cm)

Maximum weight: Less than 10 lbs (4.5 kg)



Spinning above the target area, the STS begins its search for a valid target within a 2-acre coverage area.

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