**SPECIFICATIONS**

**CBU-105 SENSOR FUZED WEAPON**

- **Weight**: 1,000-pound (lb.) class weapon (940 lbs. / 427 kilograms (kg))
- **Length**: 91 inches (in.) / 2.3 meters (m)
- **Diameter**: 15.6 in. / 0.4 m
- **Airspeed delivery**: 200-600 KAS
- **Altitude for guided delivery**: 2,000-40,000 feet (ft.) AGL
- **Payload**: 10 BLU-108 Submunitions

**BLU-108 SUBMUNITION**

- **Weight**: 64 lbs. / 29 kg
- **Length**: 31 in. / 0.8 m
- **Diameter**: 5.3 in. / 0.1 m
- **Payload**: 4 smart Skeet projectile warheads

**PLATFORM INTEGRATION**

The CBU-105 SFW has been integrated onto a variety of U.S. manufactured airframes including the F-16, F-15, B-52, B-1 and others. SFW, through our Coalition Partners, has been integrated onto the South Korean KAI F/A-50 and is undergoing integration onto the Indian Air Force SEPECAT/HAL Jaguar. The SFW is capable of being integrated onto other airframes with MIL-STD-1760 smart weapon interface and MIL-STD-1553 bus.

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 Textron Defense Systems' Sensor Fuzed Weapon (SFW) is a highly effective air-delivered area weapon designed to defeat an array of moving and fixed targets on land, at sea and in littoral environments. One SFW can neutralize many targets and do so nearly simultaneously, leaving an adversary no evasion time. It’s because of these and other capabilities that the combat-proven SFW has been integrated onto a number of United States and Allied Forces fighter and bomber platforms.

First employed by the U.S. Air Force in combat operations during Operation Iraqi Freedom, SFW is the only weapon of its class that meets and exceeds all U.S. Department of Defense mandates for multiple warhead munitions (greater than 99% reliability). SFW defeats enemy threats and achieves its mission leaving behind a clean battlefield.
Proven Safety Features

The SFW CBU-105 D/B P3I system exceeds stringent U.S. Department of Defense policy on multiple warhead systems by regulating unexploded ordnance (UXO) to less than 1 percent. SFW has demonstrated greater than 99.6 percent reliability with U.S. Government verified performance in combat operations and during more than 600 operational tests. To achieve this, the system utilizes several technologies including sensors and timer algorithms. In addition, SFW’s redundant self-destruct features and self-neutralization mode ensure that battery power dissipates minutes after a smart Skeet™ is released, rendering it safe.

Reliable Defense from Multiple Threats

The Sensor Fuzed Weapon is capable of defeating a wide range of moving and stationary military targets. It is effective against land threats such as lightly and heavily armored vehicles, missile and rocket launchers, radar sites and parked aircraft. SFW also has maritime interdiction capabilities with deepwater, littoral and shoreline functionality to engage amphibious vehicles, fast attack boats, hovercraft and small naval vessels.

A 1,000-pound class weapon, SFW contains 10 BLU-108 Submunitions — each with four smart Skeet warheads, for a total of 40 warheads. One SFW can detect and engage many fixed and moving targets simultaneously within 121,400-square-meters (30 acres). While providing wide-area coverage, SFW has demonstrated an ability to function in a countermeasures environment, at night and under adverse weather conditions.

BLU-108 Submunition

The SFW contains 10 BLU-108 Submunitions that each carry four smart Skeet projectile warheads. These 40 smart Skeets are equipped with dual-mode passive infrared (IR) and active laser sensors. The BLU-108 Submunition is capable of integration into other weapons systems for precise engagement of multiple targets.

Once deployed, each smart Skeet warhead sweeps for targets using the IR sensor to identify a thermal signature, while the laser sensor validates the target profile for improved aim point and lethality. When a valid target is detected, the warhead fires a copper Explosively Formed Penetrator, or EFP, and multi-element fragment ring from within its center core to effectively perforate hardened steel and instantly defeat the target.

If a smart Skeet warhead does not detect a valid target over its lofted trajectory, one of its three safety modes will activate. The first two modes enable the warhead to self-destruct after eight seconds from launch or within a 50-foot altitude above the ground. The smart Skeet’s third feature is a time-out device that will yield the warhead inert within minutes after hitting the ground. These safety features distinguish SFW from traditional munitions.