

CBU-105 WCMD [CBU-97/B SFW, 10 x BLU-108/B Anti-Tank Bomblets] (2000, CBU-97)

Guided Weapon

Type: Guided Weapon

Weight: 450.0 kg

Length: 2.34 m

Span: 0.52 m

Length: 2.34 m

Diameter: 0.41

Generation: None



Properties: Weapon - INS w/ GNSS Navigation, Uses GPS

Targets: Land Structure - Soft, Mobile Target - Soft

Sensors / EW:

Weapons / Loadouts:

- CBU-105 WCMD [CBU-97/B SFW, 10 x BLU-108/B Anti-Tank Bomblets] - (2000, CBU-97) Guided Weapon. Land Max: 27.8 km.

OVERVIEW: The CBU-105 WCMD (Wind Corrected Munitions Dispenser) is an inertially guided, free-falling cluster bomb designed for attacking area targets with anti-armor munitions.

DETAILS: The CBU-105 WCMD was designed to allow the accurate delivery of anti-armor cluster munitions from high altitude. It is effective against land threats such as armored vehicles, missile launchers, radar sites and parked aircraft. SFW also has maritime interdiction capabilities against amphibious vehicles, fast attack boats, hovercraft and small naval vessels. The CBU-105 WCMD is made by mating a 450 kilogram SUU-66/B with a WCMD inertial guidance kit. The WCMD corrects for winds and adverse weather, while guiding the munitions to the target coordinates. Inside the canister are 10 BLU-108/B submunitions (called "smart skeet", each containing four armor-piercing (AP) projectiles. When deployed, the submunitions are lofted over the target area, and the AP projectiles released. When the IR sensor in the AP projectile homes in on heat sources from motorized vehicles, and the explosively formed copper penetrator fires at the heat source. When deployed, the CBU-105 can cover approximately an 152 X 366 meter area.

NOTES: IOC 1997. Ordered by India, Oman, Saudi Arabia, South Korea, Turkey, and the United Arab Emirates

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SOURCES: Wind Corrected Munition Dispenser (WCMD) - Smart Weapons. (n.d.). Retrieved from <http://www.globalsecurity.org/military/systems/munitions/wcmd.htm> ; GATOR mine system - Wikipedia, the free encyclopedia. (n.d.). Retrieved April 10, 2015, from http://en.wikipedia.org/wiki/GATOR_mine_system ; Lockheed Martin WCMD. (n.d.). Retrieved from <http://www.designation-systems.net/dusrm/app5/wcmd.html> ; CBU-97/CBU-105 Sensor Fuzed Weapon - Dumb Bombs. (n.d.). Retrieved from <https://fas.org/man/dod-101/sys/dumb/cbu-97.htm> ; CBU-97 Sensor Fuzed Weapon - Wikipedia, the free encyclopedia. (n.d.). Retrieved April 10, 2015, from http://en.wikipedia.org/wiki/CBU-97_Sensor_Fuzed_Weapon ; Textron Systems, "CBU-105 Sensor Fuzed Weapon, BLU 108 submunition", http://www.textronsystems.com/sites/default/files/pdfs/product-info/sfw_brochure-small.pdf