

TOW Bunker Buster

Long-Range, Precision Breaching Capability



The fragmented, high-explosive warhead of the TOW Bunker Buster can breach or destroy a multitude of target sets, especially in the urban environment.

Benefits

- Precision accuracy
- Long-range breaching of bunkers and fortifications
- Compatible with multiple launch platforms
- Robust performance in all battlefield conditions (smoke, dust, urban environment)

TOW Family

The TOW (tube-launched, optically tracked, wire-guided) weapon system, with the multi-mission TOW 2A, TOW 2B, TOW 2B Aero and TOW Bunker Buster missiles, is the premier long-range precision anti-armor/anti-fortification/anti-amphibious landing weapon system throughout the world today. TOW is in service in more than 40 international armed forces and integrated on more than 15,000 ground, vehicle and helicopter platforms worldwide. TOW also is the preferred heavy assault weapon system for NATO, coalition, United Nations and peacekeeping operations worldwide.

TOW Bunker Buster

The TOW Bunker Buster missile is a recent spiral development effort from the distinguished combat-proven evolution of the TOW weapon system. The TOW Bunker Buster is currently available. The TOW Bunker Buster employs a fragmenting high

explosive (HE) bulk warhead that can breach or destroy a multitude of target sets, particularly in complex urban terrain. The TOW Bunker Buster's warhead configuration enables it to breach 8 in (20.3 cm) thick, double-reinforced concrete walls and provides overmatch against earth and timber bunkers. Whereas traditional shaped-charge warheads can penetrate entire buildings, the TOW Bunker Buster disperses its pressure at the point of penetration. This enables greater precision in urban engagements, enhances lethality and minimizes collateral damage outside of the target area. No gunner training or platform modifications are required to employ the TOW Bunker Buster from existing launchers. The missile case incorporates tactical identifiers so that, under limited visibility, the gunner can distinguish the TOW Bunker Buster from other TOW missiles.

TOW Weapon System Superiority

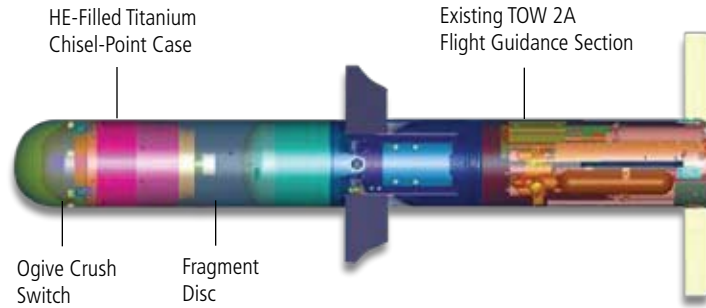
As proven on the battlefield, the superior standoff range and minimal firing signature of the TOW weapon system maximize gunner survivability. Today's complex battlefields are characterized by sandstorms, smoke, dust, explosions, fog, obstructions, overhead cover, snowstorms and secondary fires. Although precision engagements create significant challenges for many state-of-the-art missile configurations, the TOW weapon system is the exception. Its command line-of-sight advantage does not require seeker lock or laser return to engage the target.

Operationally Proven

The TOW Bunker Buster missile is deployed with the U.S. Army's most modern force: the Stryker Brigades. Delivering superior breaching capability, lethality and mission flexibility, the TOW Bunker Buster is the new urban weapon of choice.



TOW Bunker Buster



TOW Bunker Buster Specifications

Weight (encased):	63.7 lb	28.9 kg
Range:	2.33 mi	3.75 km
Diameter:	5.8 in	14.7 cm
Length:	46 in	116.8 cm
Time of Flight:	21 sec	



Reliable and Affordable

The TOW Bunker Buster customers have the economic benefits of sharing common components with the in-production missiles: TOW 2A, TOW 2B and TOW 2B Aero. This commonality keeps the TOW Bunker Buster developmental costs low while maintaining the proven reliability of the highly versatile and successful TOW weapon system.

Future Developments in RF Link

As part of the TOW family of missiles, the TOW Bunker Buster will evolve into a radio frequency (RF) command data link TOW missile. The RF link replaces the legacy wire-guidance and provides the following improvements:

- Greater reliability
- Enhanced overwater performance
- Greater environmental compliance under training conditions
- No power line restrictions
- Enhanced combined arms applications in urban environments
- Eliminates airborne (rotor) concerns

The RF TOW missile design has an RF transmitter added to the missile case and an RF receiver located in the missile. Since no launcher modifications are required, the transition to wireless is transparent to the TOW customer. The RF command data link TOW 2B Aero was the first RF TOW missile successfully demonstrated in 2002. The RF TOW 2B Aero is on schedule to complete qualification testing in 2006, and the U.S. Army has scheduled procurement for RF TOW 2B

Aero missiles in fiscal year 2007 and beyond.

Summary

The TOW 2A, TOW 2B, TOW 2B Aero and TOW Bunker Buster missiles can be fired from all TOW launchers including the Improved Target Acquisition System (ITAS), Stryker anti-tank guided missile vehicle with modified ITAS, and Bradley fighting vehicles with the Improved Bradley Acquisition Subsystem.

The TOW weapon system, with its extended-range performance, is the long-range, precision, anti-tank, heavy assault missile-of-choice. Employment platforms include U.S. Army Stryker, Bradley and ITAS-high mobility, multipurpose wheeled vehicle (HMMWV) and the U.S. Marine Corps HMMWV, light armored vehicle and AH-1W Cobra.

The TOW weapon system will be in service with the U.S. military beyond 2025.



TOW Bunker Buster launches from all TOW platforms.

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