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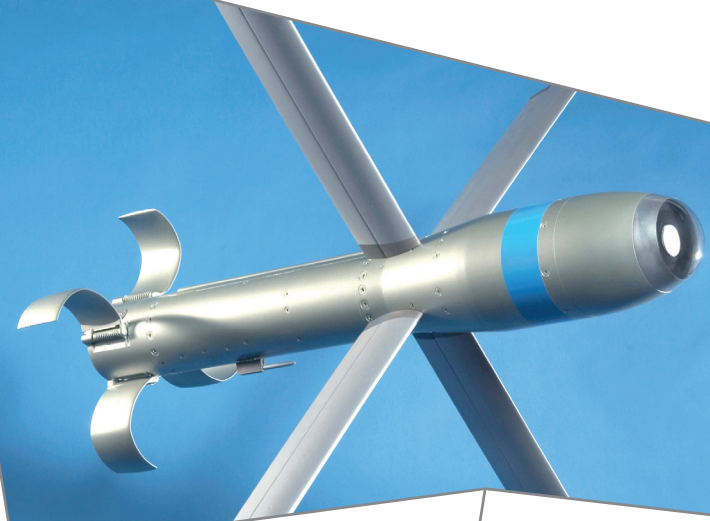
The GBU-44/B Viper Strike is a 44 lb. air-launched guided munition capable of stand-off precision attack. Currently in production, Viper Strike is a low-risk, mature program that provides a turn-key precision weapon solution for fixed wing, helicopter and UAV platforms. Currently in use with US Army, US Special Operations, and US Marine Corps aircraft and UAVs, the Viper Strike weapon glides to the target, using GPS-aided navigation and a semi-active laser seeker to attack land and sea targets with combat-proven pinpoint accuracy. Viper Strike is optimized for attack profiles that require either a steep or shallow final attack angle. This flexibility allows low-collateral damage effects in both mountainous terrain or urban canyons where strict rules of engagement are in force. Its relatively small warhead size and laser accuracy provide for low collateral damage in cluttered urban environments.

Viper Strike's GPS Inertial Navigation System (INS) combined with Semi-Active laser (SAL) guidance provides positive control until impact. It allows the weapon to be launched covertly from safe altitudes and stand-off ranges outside of point defenses yet achieve pinpoint accuracy. GPS/INS navigation provides accurate mid-course guidance to the target area allowing for final SAL guidance.

Viper Strike's dual mode guidance and agility provide a high degree of operational flexibility. The weapon can be released in poor weather yet retain laser precision from man-in-the-loop targeting from a laser designation as the Viper Strike approaches the target. Viper Strike is compatible with any NATO standard laser designator, either from the air, from the sea or from forces on the ground. Viper Strike II is a spiral improvement on the weapon and includes an all-weather, high precision GPS-only targeting option and a datalink to receive in-flight updates to attack mobile targets.

VIPER STRIKE

STAND-OFF PRECISION ATTACK GUIDED MUNITION



- **In production and in use by US forces**
- **Integrated on UAVs, fixed and rotary wing aircraft**
- **Dual Mode INS/SAL guidance and agility**
- **Pinpoint accuracy demonstrated for day and night operations**
- **Low collateral damage**
- **Shallow/Steep/Indirect Attack**
- **Stand-off/Covert launch and attack**
- **Lightweight, compact, either internal or external carriage**
- **Proven Common Launch Tube deployment**
- **Turn-key weapon system**

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MBDA Missile Systems is delivering a complete Viper Strike weapon system to include CONOPS tactics development, training, delivery vehicle integration and software for the Battle Management System.

Viper Strike allows aircraft, helicopters and UAVs to precisely engage targets in urban areas that would otherwise be denied due to the risk of collateral damage. For fixed wing aircraft and UAVs that operate at a high altitude, Viper Strike converts that altitude advantage with an off-axis attack capability allowing the operators to covertly attack distant targets located off the host aircraft flight path. Viper Strike can be programmed to turn and attack targets on the reverse slopes of mountains, the back sides of buildings or to accommodate a desired laser guided run-in line. This programming can be done very quickly prior to launch with the Battle Management System.

Viper Strike is optimized to convert surveillance aircraft into multi-mission armed platforms with the simple integration of proven off the shelf components. Platforms can carry as little as one, or multiple, lightweight and aerodynamic Viper Strikes on a single pylon. With no scheduled maintenance, a long on-wing time, proven high environmental tolerances and a storage life of over 10 years, Viper Strike is perfect for platforms and missions that desire a long-term, persistent deterrent option.

Name

- **Viper Strike (GBU-44/B)**

Missile characteristics

- **Weight: 44 pounds**
- **Length: 36 inches**
- **Diameter: 5.5 inches**
- **Wingspan: 36 inches**
- **High glide ratio**
- **Tandem shaped charge warhead**
- **Low collateral damage**
- **Anti-armor capability**



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