



JAGM

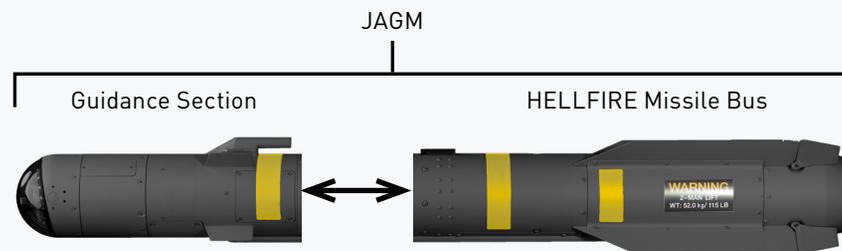
Joint Air-to-Ground Missile

JAGM

The Joint Air-to-Ground Missile (JAGM), also known as AGM-179, is a multi-sensor, air-to-ground missile. This multi-mode missile offers enhanced performance against moving and stationary armor, air defense units, patrol craft, artillery, transporter erector/launchers, radar sites and C2 nodes, in addition to bunkers and other structures in urban and complex terrain.

Proven throughout multiple flight tests, the weapon's multi-mode seeker provides an improved semi-active laser (SAL) sensor for precision-strike and a fire-and-forget millimeter wave (MMW) radar for moving targets in all-weather conditions. The seeker is architected to utilize specific operator-selected sensors, or all sensors in combinations simultaneously to provide the optimum solution to prosecute the target. Unlike other weapons configured with either single or multiple sensors, JAGM optimizes target engagement based on available sensor information, and remains capable of target prosecution should an anomaly occur with one of the sensors.

Fire-and-forget engagement modes significantly increase JAGM user survivability against threat defenses in GPS-denied and austere communications environments. JAGM can engage multiple stationary and moving targets, in the presence of adverse weather, battlefield obscurants and advanced countermeasures. Laser and radar guided engagement modes allow JAGM users to strike accurately across wide target sets and reduce collateral damage.



The missile's sensors are integrated into the JAGM guidance section, which is then mated with the AGM-114R multi-purpose HELLFIRE II missile body (including the control actuation system, warhead and rocket motor), capitalizing on missile program improvements that have migrated into the modern HELLFIRE II design.

When paired with the HELLFIRE II missile bus, the JAGM guidance section provides limited capability to all HELLFIRE® delivery platforms, including the AH-64D/E Apache and AH-1Z Cobra attack helicopters. For full functionality, modifications to the platform software will be required.

The modularity of Lockheed Martin's proven, low-risk JAGM design ensures continued affordability in support of the U.S. Army's incremental acquisition strategy and the Department of Defense Better Buying Power initiatives.

JAGM is built on active production lines by the same team that has produced more than 100,000 HELLFIRE II® and LONGBOW® missiles with a reliability rate exceeding 97%.

FEATURES

- SAL sensor provides pinpoint accuracy
- MMW sensor provides capability against countermeasures and enhances accuracy in all weather types versus moving targets
- Fire-and-forget capability supports rapid-fire launches at multiple targets and increases survivability
- Lock-on before and lock-on after launch maximizes operational engagement and flexibility while minimizing collateral damage
- A modular seeker design independent of the missile bus offers rapid response to future requirements

SPECIFICATIONS

RANGE:	0.3 to 4.9+ miles (0.5 to 8+km)
GUIDANCE:	Multi-Mode SAL/MMW
WARHEAD:	Multi purpose cockpit selectable, tandem, shaped charge, blast fragmentation
WEIGHT:	113.5 lb (51.5 kg)
LENGTH:	69.2 in (175.8 cm)
DIAMETER:	7 in (17.8 cm)



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