



JAGM-F

Joint Air-to-Ground Missile-
Fighter/Fixed Wing/Fast Mover

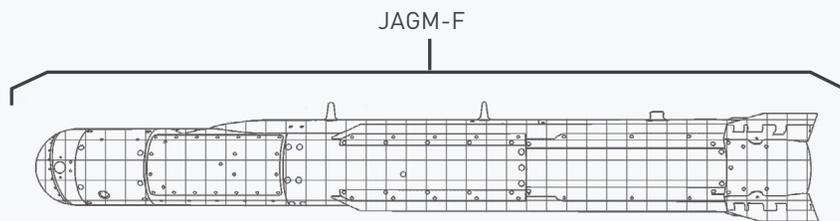
JAGM-F

The Joint Air-to-Ground Missile-Fixed Wing (JAGM-F) is the eject-launched variant of Lockheed Martin's proven, in-production, rail-launched, U.S. Army Program of Record JAGM. Compatible with various eject launcher systems, JAGM-F is a lightweight, precision-guided air-to-ground missile, for attack and fighter aircraft. This powered weapon system offers high-speed, multi-target, moving target, obscured target, as well as high off-boresight direct attack capabilities.

JAGM-F, also known as AGM-187A, provides an affordable solution to the ever-growing need for massed fires effects on multiple targets by increasing weapon loadout per platform (4/BRU-61A). The weapon system's design leverages technology from Lockheed Martin's proven HELLFIRE II® (AGM-114) and JAGM (AGM-179), resulting in enhanced performance for fast-moving, time-sensitive targets.

The 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 adverse weather conditions. These sensors are integrated into the JAGM (AGM-179) guidance section, which has proven performance and is currently in Low-Rate Initial Production, and are within the baseline seeker for the JAGM-F.

Fire-and-forget engagement modes significantly increase JAGM-F user survivability against threat defenses in GPS-denied and austere communications environments. JAGM-F can engage multiple stationary and moving targets, near simultaneously, in the presence of battlefield obscurants and advanced countermeasures. Laser and radar-guided engagement modes allow JAGM-F users to strike accurately across multiple target sets, including armor, wheeled vehicles, air defense units, patrol craft, artillery, transporter erector/launchers, radar sites, C2 nodes, as well as bunkers or other structures in urban, littoral and complex terrain.



The JAGM-F design maximizes commonality with our baseline JAGM, while offering unique performance enhancements in an eject-launched variant – such as increased weapons loadout, high off-boresight, delayed motor light and selectable fuze options.

The hardware for Lockheed Martin's air-to-ground missiles is built on active production lines by the same team that has produced over 100,000 HELLFIRE® and LONGBOW® missiles with a reliability rate exceeding 97%.

FEATURES

- Capable of eject-launch employment on all high-performance fighter/attack aircraft including: F-16, F-15E, F/A-18, A-10C, and the F-35 (internal or external carriage)
- SAL sensor provides precision-point accuracy
- MMW sensor provides robust capability against countermeasures and enhances accuracy in clear and adverse weather against moving targets
- Capable of maritime engagements against fast attack craft scenarios minimizing collateral damage
- Lightweight design for increased weapons loadout per sortie, enhancing operational flexibility and maximizing target engagement effectiveness
- Fire-and-forget capability supports rapid-fire launches at multiple targets with better launch platform survivability
- Lock-on before and lock-on after launch maximizes operational engagement and flexibility while minimizing collateral damage
- High off-axis launch acceptability regions provides rapid response engagement against high-value, moving and fleeting targets
- Modular seeker design independent of the missile bus offers rapid response to future requirements/product improvements

SPECIFICATIONS

RANGE:	0.5 to 15+ miles (0.8 to 24+ km)
GUIDANCE:	Multi-Mode SAL/ MMW
WARHEAD:	Multi-purpose
WEIGHT:	205 lbs. (93 kg)
LENGTH:	70 in (177.8 cm)
DIAMETER:	7 in (17.8 cm)



Four JAGM-F's mounted on a BRU-61A launcher flown by an F-15E from Eglin Air Force Base in August 2021.

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