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DAGR™

Precision-Strike Capability in a 2.75-inch/70mm Guided Rocket





PD151-001

Two DAGR launcher configurations allow mounting to a HELLFIRE-compatible launcher or directly to an aircraft pylon.



PD079-197

DAGR has demonstrated exceptional guidance accuracy at ranges from 1.0 to 5.1 km and up to 10 degrees azimuth offset—and struck within inches of its target aimpoint.



PD151-028

DAGR offers an offensive capability when increased loadout or reduced weight is a must.



PD151-027

The rail-mount DAGR canister is designed to fit seamlessly on HELLFIRE-compatible digital and analog launchers, enabling multi-mission capability on a single platform.

Specifications

Range from Sea Level	Min: 1.5 km Max: 5 km
Range from 20,000 ft (6.1 km)	Max: 12 km
Guidance	SAL
Warhead	M151 warhead with M423 fuze
Weight	35.0 lb (15.8 kg), fully loaded launcher: 180 lb (81.6 kg)
Length	75 in (1.9m)
Diameter	2.75 in (70 mm)
Wingspan	8.75 in (222 mm)

DAGR

The 2.75-inch/70mm DAGR™ guided rocket is a precision-strike, multi-role, multi-platform munition that effectively neutralizes non-armored and high-value targets close to civilian assets or friendly forces. DAGR offers the reliability of a HELLFIRE® II while further limiting collateral damage.

Building on 30 years of leadership in precision laser-guided weaponry, Lockheed Martin's DAGR guidance kit integrates seeker guidance, electronics, and integrated flight simulation developed on the Joint Common Missile (JCM) and Joint Air-to-Ground Missile (JAGM) programs. DAGR provides lock-on-after-launch and lock-on-before-launch capability, target handoff, enhanced built-in test, and laser coding from the cockpit. Its off-axis capability also increases the engagement envelope, providing additional field of view for angle-of-attack, moving targets, and wind.

The DAGR system mounts to HELLFIRE®-compatible digital and analog launchers or directly to an aircraft pylon. DAGR guided rockets can also be launched from legacy M260/M261 launchers. The rail-mounted canister mounts to a HELLFIRE-compatible launcher (e.g., M299 and M310) and readily integrates with all HELLFIRE platforms including unmanned aerial vehicles and Apache, Kiowa, Little Bird, Cobra, and Tiger helicopters.

The pylon-mounted launcher mounts directly to the platform pylon or bomb rack, and features its own strongback and electronics to provide weapons inventory and other data to the operator. The pylon-mount launcher enables carriage by a variety of platforms lacking HELLFIRE launchers, including lightweight fixed-wing aircraft, small rotary-wing aircraft and patrol boats, as well as ground-launch pedestals and vehicles.



DAGR's instant or delayed warhead fuze actuation defeats targets in the open or inside structures or vehicles while minimizing collateral damage.

Features

- Compatible with all HELLFIRE platforms — fixed- and rotary-wing manned and unmanned aerial vehicles
- Compatible with M260 and M261 launchers
- Operates and launches like HELLFIRE on compatible launchers — no new training
- Leverages off-the-shelf 2.75-inch/70mm rocket motors and warheads for low-cost, low-risk capabilities upgrade
- Low-cost alternative to destroy non-armored and high-value targets close to civilian assets and friendly forces, while limiting collateral damage
- Lock-on before or after launch provides operational flexibility.
- 10-degree off-boresight feature provides large engagement envelope and capability against fast-moving and pop-up targets

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DAGR products and product configurations are in development. Qualification of DAGR products and configurations is ongoing.
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