

# APKWS<sup>®</sup>

laser-guidance kit

The APKWS<sup>®</sup> guidance kit transforms an unguided rocket into the **tactical weapon of choice** – delivering accuracy with low collateral damage. It stands alone in its class as the **U.S. Government's only program of record** for a 2.75-inch (70mm) laser-guided rocket, and is proven successful in combat on the F-16 Fighting Falcon and other fixed-wing platforms.

## Unrivaled accuracy

The APKWS laser-guidance kit is the precision-strike weapon of choice to engage moving or stationary targets with low collateral damage. It consistently hits both soft and lightly armored objects in open and confined areas. It achieves this accuracy using DASALS<sup>®</sup> seeker optics that deploy after the rocket is fired. These optics enable the rocket to see the entire field of regard, locking onto laser designated targets from over 3 kilometers away.

## Unique design

The mid-body modular design is compatible with existing and new inventories of 2.75-inch rocket motors, warheads, and launchers – designed to transform unguided rockets into guided rockets. It requires no modifications to the standard rocket motor, firing platform or fire control system. Its flexible and modular architecture has enabled integration on more than two dozen fixed-wing and rotary-wing platforms – and is qualified on more than a dozen.

## Cost effective

The laser-guidance kit produces a game-changing capability at the industry's lowest total ownership cost for a precision-guided munition. By integrating with existing infrastructure and inventory, it is a cost effective solution that has low collateral damage and low weight. We maximize this cost savings for a range of customers by qualifying our rocket on the widely used, F-16 Fighting Falcon.

## Combat proven

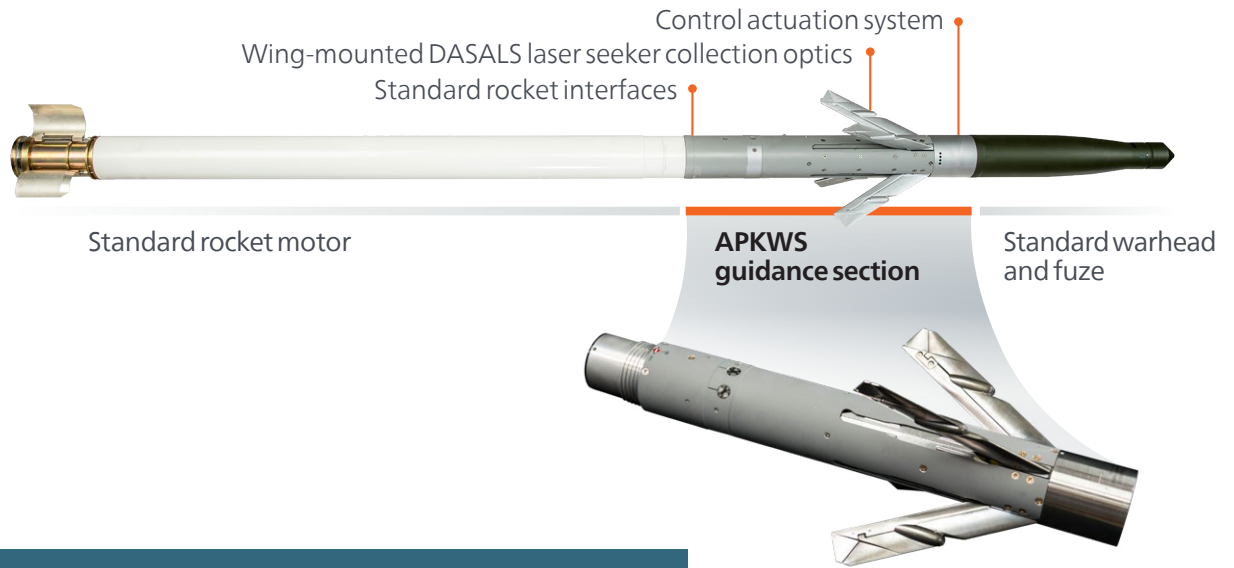
The APKWS guidance kit consistently hits its target, with over a 93 percent success rate in combat operations. The AV-8B was the first fixed-wing platform to integrate the rocket for combat by the U.S. Marine Corps. It is also actively used by the U.S. Air Force with the F-16 and A-10. Since 2016, hundreds of shots have been successfully fired in combat.



The APKWS laser-guidance kit is successfully operating in combat on the **F-16, A-10, AV-8B**, and several other fixed-wing platforms, as well as a number of rotary-wing platforms.

## Available today

The APKWS laser-guidance kit is available to the U.S. military and through Foreign Military Sales (FMS). With over 50,000 units delivered to date and an active production line with current manufacturing capacity up to 20,000 units per year and growing, we are prepared to meet increased demand.



Continues to meet or exceed all performance thresholds

#### Fixed-wing specifications\*

Specification	Threshold
Minimum range	1.2 mi (2 km)
Maximum range	8.7 mi (14 km)
Probability of hit per single shot	80% within 2.1 yd (2 m) of center of laser spot
Weight	35 lbs (15.8 kg)
Length (all-up round)	75 in (1905 mm)
Diameter (all-up round)	2.75 in (70 mm)
Launch altitude	-200 to 25,000 ft - MSL
Launch height above target	0 to 25,000 ft
Platform speed at launch	80 to 550 KCAS
Acceleration at launch	+0.5 to +4.0 g

The APKWS system exceeds all threshold specifications (all specifications are using the threshold configuration of M151 warhead/M423 fuse).

\*All specs are indicative of block upgrade performance as of 2022

#### Fixed-wing launch platforms

##### Qualified platforms

- F-16 Fighting Falcon
- A-10 Thunderbolt
- AV-8B Harrier
- OV-10 Bronco
- F/A-18 Hornet
- A-29 Super Tucano
- AT-802L Air Tractor
- C-208 Combat Caravan
- CASA 235 Gunship

##### Demonstrated platforms

- AT-6 Texan
- Textron Scorpion

##### Potential platforms

- Eurofighter Typhoon
- Hawk
- Dassault Rafale
- Mirage 2000

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