



Backgrounder

Integrated Defense Systems

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F-15K Slam Eagle for the Republic of Korea



The F-15K Slam Eagle is a variant of the combat-proven F-15E Strike Eagle. Equipped with the latest technological upgrades, it is more capable, survivable, and maintainable than its predecessor, the F-15E, and is capable of long-range precision strike missions without escort, day or night, in any weather.

The F-15K Slam Eagle represents the technology of choice for the increasingly complex combat arena. It is a true multi-role aircraft that operates in the air-to-air, air-to-ground, and air-to-sea role. The F-15K is highly capable with an effective combination of brains and brawn.

The Republic of Korea awarded Boeing a contract for 40 F-15K's in April 2002. As of April 2008, 34 of the 40 F-15K's have been delivered to the ROK Air Force, with the remainder scheduled to be delivered later this year. In April 2008, the ROK awarded Boeing a contract for a second lot of F-15K's to fill its Next Fighter II requirement.

General Characteristics:

Length:	63.8 ft (19.45 m)
Height:	18.5 ft (5.64 m)
Wingspan:	42.8 ft (13.05 m)
Maximum gross takeoff weight and payload:	81,000 lbs (metric) and 23,000 lbs (metric)
Maximum combat radius without refueling:	More than 1,000 nm (1,800 km)
Power - F-15K Next Fighter I Program:	Two GE F110 turbofan engines, 29,000 lb (131 kN) thrust class
Power - F-15K Next Fighter II Program:	Two Pratt & Whitney F-100-PW-229 EEP engines (29,100 lb (metric) thrust class)
Payload:	A mix of air-to-air weaponry: 20mm cannon; AIM-120, AIM-9, AIM-7, and AGM-130 missiles A mix of air-to-ground ordnance, including precision-guided munitions

The continuing success of the F-15K Slam Eagle is the result of a blend of speed, power, and agility – a combination that makes the aircraft the ultimate multi-role strike fighter. It is agile and highly capable in the dogfight role, precise and survivable in the strike role.

The Brains

A state-of-the-art cockpit and advanced avionics make the F-15K Slam Eagle and its aircrew as smart as they are capable. Combined with the Joint Helmet Mounted Cueing System (JHMCS), the F-15K provides increased situational awareness and enhanced air-to-air and self-defense capabilities.

- The F-15K's AN/APG-63 radar incorporates all air-to-air and air-to-ground modes of the APG-70 and adds Ground Moving Target Track, sea surface search and high resolution capability.
- Late-generation Forward Looking Infrared (FLIR) system enhances target detection and tracking.
- Link 16 Fighter Data Link connects the Slam Eagle to the networked battlefield.
- Improved self-protection capability through the ALQ-135M
- Third-generation Infrared Search and Track for enhanced air-to-air capability

Combat Radius

The Slam Eagle operates with a combat radius/endurance of nearly 1,800 kilometers – more than 200 kilometers greater than any competitor's aircraft.

Speed

With a top speed of Mach 2.5, the F-15K offers unmatched climbing and closing speeds.

Maximum Payload

The Slam Eagle carries a greater variety of weapons and a larger payload – more than 13,000 kilograms – to ensure a true multi-role strike capability.

- Mission capability rate exceeding 95%
- Two-man crew and advanced avionics ideal for night low-altitude strike
- Unparalleled range, payload and endurance for the deep-strike mission
- Service life planned through 2030+ with technology insertions and upgrades throughout the life cycle

Long-term Relationship

Boeing is committed to a strong, mutually beneficial long-term relationship with Korea, and values Korea as a key partner in Asia. Boeing and Korea are partners with a strategic relationship; partners in innovation, and partners for security.

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