

AIM-9M Sidewinder



The AIM-9M Sidewinder is the free world's most advanced infrared-tracking, short-range, air-to-air missile.

Benefits

- ▶ **Advanced countermeasure features**
- ▶ **Improved identification of targets against background clutter**
- ▶ **Improved tracking against low signal level targets**
- ▶ **A reduced-smoke rocket motor**

Over the years, Sidewinder's effectiveness and all-aspect capabilities have been combat proven in several theaters throughout the world.

Manufactured Since 1964

Raytheon has manufactured Sidewinder guidance control sections continuously since 1964 and has provided Allied nations with equipment for in-country missile repair. Since 1971, Raytheon has been the U.S. Navy's Development Industrial Support Contractor. More than 45,000 Sidewinder guidance sections have been delivered by Raytheon.

Performance over AIM-9L

The AIM-9M provides significant performance improvements over its predecessor, AIM-9L. These include advanced countermeasure features, improved identification of targets against background clutter, improved tracking against low signal level targets, and a reduced-smoke rocket motor.

The AIM-9M is configured for easy installation on a wide range of modern tactical aircraft, including the F-4, F-5, F-14, F-15, F-16, and F/A-18 fighters; the A-4, A-6, A-7, AV-8B Harrier, and A-10 attack aircraft; and the AH-1 helicopter. It is also integrated on the JAS-39 Gripen, JA-37 Viggen, the Sea Harrier, Tornado, and Jaguar.

Raytheon Sidewinder reliability has been thoroughly demonstrated, consistently achieving 400% over contractual MTBF requirements.

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Specifications

Length:	113 in	2.9 m	Canard:	22.3 in	0.4 m
Diameter:	5.0 in	0.12 m	Weight:	190 lb	86 kg
Wing Span:	25 in	0.63 m	Guidance:	Passive Infrared	
Fuzing:	Proximity and Contact		Warhead:	25 lb	10.15 kg
Launcher:	Rail				



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Features

Combat-Proven Performance	Low Per-Round Cost
Multiple Applications	Simplicity
Demonstrated High Kill Probability	Minimal Size, Low Drag and Weight
High Reliability	Adaptability



Air-to-Air
P.O. Box 11337
Tucson, Arizona
85734-1337 USA
520.794.9978
520.794.5451 fax
www.raytheon.com