

# 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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AIM-9M Sidewinder					
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				



AIM-9M Sidewinder	
Features	
Combat-Proven Performance	Low Per-Round Cost
Multiple Applications	Simplicity
Demonstrated High Kill Probability	Minimal Size, Low Drag and Weight
High Reliability	Adaptability



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