



# AVRO ARROW

## Words

### Boeing MIM-10B Super BOMARC

June 28, 1999



Boeing MIM-10B Super BOMARC  
Designed By:  
Boeing Airplane Co., United States

Period:  
Postwar

Uses: Surface-to-Air Missile

First Flight:

1959 (MIM-10A)

Introduced after the cancellation of the Avro Arrow, the BOMARC filled an anti-aircraft role as an unmanned long-range, surface-to-air weapon. By 1962, two RCAF Missile Squadrons were equipped with BOMARCs as part of the North American Air Defence Command (NORAD). Both squadrons formally disbanded on April 7, 1972. The BOMARCs were returned to the United States by September of the same year.

The BOMARC was a winged missile stored horizontally in a shelter from which it could be launched, after being raised vertically through a sliding roof. A solid propellant booster rocket augmented the thrust of the two integral ramjet engines. BOMARC stands for Boeing/Michigan Aeronautical Research Center.

Wing Span  
18 ft 2 in (5.5 m)

Length  
45 ft 1 in (13.7 m)

Height  
2 ft 11 in (0.9 m)

Weight, Empty  
Unknown

16 032 lb (7 272 kg)

Cruising Speed  
2 134 mph (3 434 km/h)

Max Speed  
2 134 mph (3 434 km/h)

Rate of Climb  
Unknown

Service Ceiling  
100 000 ft (30 480 m)

Range  
440 mi (700 km)

Power Plant  
two Marquardt RJ43-MA-7, 12 000-lb (5 440-kg) static thrust ramjet engines, plus one Thiokol XM-51 50 000-lb (22 650-kg) static thrust rocket engine

Armament  
Designed for nuclear Warhead

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