



METEOR

BEYOND VISUAL RANGE AIR-TO-AIR MISSILE (BVRAAM)

Meteor is the next generation Beyond Visual Range Air-to-Air Missile (BVRAAM) system designed to revolutionise air-to-air combat in the 21st century.

Meteor has been developed by a group of European partners led by MBDA to meet the needs of six European nations: the UK, Germany, Italy, France, Spain and Sweden. All with a common need to defeat the threats of today and in the future.

Product key features

This 'ramjet' motor provides the missile with thrust all the way to target intercept, providing the largest No Escape Zone of any air-to-air missile system, several times greater than current MRAMs. The fragmentation warhead ensures maximum lethality.

Platform integration

Meteor is in service with the Swedish Air Force and is entering service with the other partner nations: UK, Germany, Italy, France, and Spain. Meteor is integrated on fighter aircraft including Eurofighter Typhoon, Rafale and Gripen and will be integrated to the F-35 Lightning II Joint Strike Fighter.

Operational advantages

- **Meteor – Effective operation in all environments**
Guided by an advanced active radar seeker, Meteor provides all-weather capability to engage a wide variety of targets. Designed to meet the most stringent of requirements in the most severe environment, Meteor provides the pilot with increased capability in all operational environments.
- **Meteor – Network-enabled capability**
Network centric capability is met through the weapons data link communication. Meteor can be operated using third party target data, enabling air crew to have the most flexible weapon system.
- **Meteor – Largest no-escape zone**
Weapon performance is achieved through its ramjet propulsion system – solid fuel, variable flow, ducted rocket. Providing thrust through to target intercept means Meteor has the largest No-Escape Zone of any air-to-air missile system.
- **Meteor – Total target destruction**
Equipped with both an impact and proximity fuse, plus a blast fragmentation warhead to maximise lethality.



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Technical characteristics/specifications

Weight: 190kg

Length: 3.7m

Diameter: 178mm

Rail and ejection launch capability

Propulsion

- Solid fuel variable flow ducted rocket (ramjet)

Seeker

- Active RF

Navigation and guidance

- Inertial mid-course with data link
- Autonomous terminal guidance

Warhead

- Blast fragmentation

Fuses

- Impact
- RF proximity



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