



# 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 MRAAMs. 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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