



METEOR

BEYOND VISUAL, BEYOND ESCAPE



Meteor represents the next generation of Beyond Visual Range Air-to-Air Missiles (BVRAAM) designed to redefine air-to-air combat in the 21st century. It's a result of a collaborative effort led by MBDA and a consortium of European partners consisting of UK, Germany, Italy, France, Sweden and Spain, all united by a shared objective to counteract current and future threats.

Product key features

Meteor's 'ramjet' motor provides continuous thrust up to the point of target interception, generating the most extensive No Escape Zone among any air-to-air missile system, significantly surpassing current MRAAMs. Its fragmentation warhead ensures maximum lethality, further enhancing its combat effectiveness together with its unparalleled endgame kinematics.

Platform integration

Meteor is currently in service with the partner nations: the UK, Germany, Italy, France, Sweden and Spain. Its seamless integration with fighter aircraft such as the Eurofighter Typhoon, Rafale, and Gripen is well-established, and is being integrated onto the F-35 A and B variants, as well as the KF-21.

Operational advantages

- **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.
- **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.
- **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.
- **Total target destruction**
Equipped with both an impact and proximity fuse, plus a blast fragmentation warhead to maximise lethality.



SAAB

INMIZE

MBDA



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



Full fin variant



Cropped fin variant