



ASRAAM

WITHIN VISUAL RANGE AIR DOMINANCE WEAPON



In WVR combat, the ability to strike first is vital. A pilot engaging an enemy needs a missile that is able to react more rapidly than ever before, with the speed and agility to maximise the probability of a kill regardless of the target aircraft's evasive manoeuvres or the deployment of countermeasures.

Designed with these stringent demands at the forefront, ASRAAM has been meticulously developed to revolutionize the WVR combat paradigm. A superior speed paired with optimized aerodynamics results in unprecedented agility. ASRAAM stands out as the most effective WVR missile with its distinctive 166mm (6.5 inch) diameter rocket motor and low-drag aerodynamic airframe endow ASRAAM with unparalleled speed and manoeuvrability across the entire flight envelope. Moreover, ASRAAM incorporates comprehensive 'Lock On Before Launch' and 'Lock On After Launch' operational modes.

Proven Reliability, Multi-Platform Versatility

Currently in service with the UK Royal Air Force, ASRAAM has proven its operational excellence. It's also been adopted by India for over-wing carriage on its Jaguar aircraft. ASRAAM's seamless integration and demonstrated reliability on platforms such as the Eurofighter Typhoon, Tornado, F/A-18, and the latest integration onto F-35, further highlight its versatility.

Operational advantages

First shot – first kill

- LOBL and LOAL cued through multiple sensors: radar, IRST, HMS, 3rd party
- Fast rise batteries allow for fast reaction
- Unmatched thrust and speed is achieved by the large 166mm (6.5 inch) diameter rocket motor giving high speed off the rail and throughout the entire flight envelope
- Predictive tracking and the IIR seeker provide high precision
- Outstanding resistance to countermeasures

Combined, significantly increases launch aircraft survivability



Technical characteristics/specifications

Weight:	88kg
Length:	2.9m
Diameter:	166mm
Range:	In excess of 25km

Seeker (and cooling)

- Long acquisition range
- Focal plane array IIR seeker
- Seeker detector cooling
- Self-contained cooling engine or argon, nitrogen gases, HiPPAGd™-compatible

Fuzing and warhead

- Impact and laser proximity fuzes
- High lethality, blast fragmentation warhead

Rocket motor

- Large 166mm (6.5 inches) diameter
- Low signature

