



BRIMSTONE

PRECISION SURFACE ATTACK WEAPON

Brimstone provides the fast jet operator with a combat proven, low collateral, close air support weapon able to engage a wide range of target types, including fast moving vehicles/vessels in both direct and indirect modes.

Brimstone fully meets the UK MOD's PROTECTOR programme requirements.

Product key features

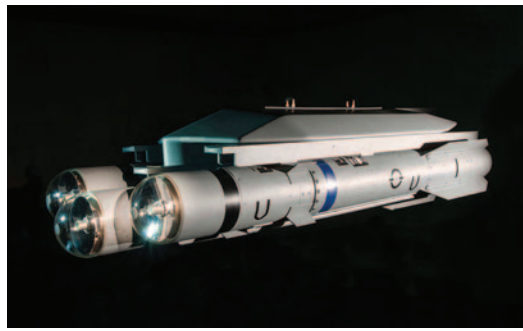
Combat aircraft armed with the Brimstone weapon offer reach, speed, flexibility, precision and the ability to engage multiple targets with a single mission load. Brimstone provides a rapid response for Close Air Support and Counter Insurgency that is not possible from helicopters alone.

The system can be operated in three modes, each providing flexibility and proven high confidence in mission success:

- Mode 1: Semi-Active Laser (SAL) guidance, to engage static targets with limited or no radar cross section (RCS)
- Mode 2: Both SAL and Millimetric Wave radar guidance for fast moving targets in cluttered environments
- Mode 3: Fire-and-forget simultaneous target engagement

Operational advantages

- **Dual Mode seeker**
Brimstone's seeker provides high accuracy through flexible engagement modes to ensure target acquisition and destruction.
- **Proven capability against both static and moving/manoeuvring targets**
Brimstone's wide range of target types includes: fast moving vehicles, tanks and armoured cars, bunkers, as well as naval vessels including swarming and Fast In-shore Attack Craft (FIAC).
- **IM-compliant**
Brimstone features an IM-compliant rocket motor and multi-effect, tandem-shaped charge warhead with an impact, delayed or proximity fuse capability, ensuring low collateral damage.



Platform integration

Brimstone is operational on Tornado GR4 and integrated on Eurofighter Typhoon and Future Attack Helicopter. The weapon system can also be operated on a wide range of UAVs, land and ship platforms.

Operational history/achievements

Operationally deployed in the Afghanistan, Libya and Iraqi conflicts, Brimstone has proven to be the weapon of choice able to perform surgical strikes in time-critical missions against both static and moving/manoeuvring targets, with a true day/night capability.

Technical characteristics/specifications

Weight:	50kg
Length:	1.8m
Diameter:	180mm
Guidance:	Millimetric wave radar and semi-active laser
Warhead:	Tandem-shaped charge

Seeker

- Millimetric Wave (mmW) radar
- Semi-Active Laser (SAL)

Modes of engagement

- Mil Std 1760 for maximum platform compatibility

Navigation and guidance

- Inertial mid-course navigation
- Compatible with all STANAG 3733 laser designators
- Tandem-shaped charge warhead effective against a wide variety of targets
- Defeats all known conventional and reactive armour
- Minimal collateral damage

Propulsion

- Cast double base propellant rocket motor
- Strip steel laminate motor case

