



Brimstone on HMT600

SPECIFICATION SHEET



PRECISION SURFACE ATTACK OVERWATCH SYSTEM

The challenges of the modern battlefield increasingly demand that tactical land forces have the organic capability to engage adversaries with precision at range and in volume.

Brimstone offers 'One Missile, Multi-Platform' versatility and is designed to be integrated onto helicopters, fixed wing aircraft (including fast jets), land vehicles, naval platforms and UAVs.

A modular Brimstone launcher equips the Light Forces commander with capability to deliver precision anti-armour effects at long ranges, whilst retaining the high mobility of the HMT600 platform.

CAPABILITY

- Engaging quickly and effectively, the Brimstone/HMT module provides Overwatch capability for Light Forces
- High loadout offers MBT denial and mobile counter-mass capability for a dispersed force
- Rapid into/out of action times
- Broadside firing maximises missile range and simplifies platform installation
- Line-of-sight or non-line-of-sight engagements
- High off-boresight agility
- Flexible engagement via third party targeting from a variety of sensor options within the battlespace
- Salvo launch option to achieve co-ordinated effects on multiple targets during a single mission

EFFECTOR - BRIMSTONE

- Battle proven – over 98% success rate in defeating static, moving and manoeuvring target sets including MBTs and other armoured vehicles
- One common missile for all missions and platforms
- Organic battlegroup capability
- Low collateral damage in restrictive engagement scenarios
- All-weather fire-and-forget capability
- Defeats all known Defensive Aid Suites/ Active Protection Systems
- Extends effects coverage and points of presence
- Repels adversary formations and single point targets
- Simple integration into platform architectures
- Best in class Insensitive Munitions-compliant for safety

PLATFORM – HMT600

- Maintains high mobility of the HMT platform
- Low-profile inconspicuous Brimstone module disguises capability, giving increased platform survivability
- Rapid reload using standard battlefield support assets
- Options for integration with battlefield management system software

SEEKER

- 94GHz millimetric Wave (mmW) radar
- Semi-Active Laser (SAL)

FLEXIBLE MODES OF ENGAGEMENT

- SAL, SAL/mmW, mmW modes. In dual mode, SAL guidance canhandover to mmW guidance for increased accuracy once themissile determines the exact target being designated
- Rapid salvo capability (mmW only mode) for area,column and point kill
- Point attack utilising mmW guidance for all-weather,low visibility engagements

EFFECTS

- Effective against a wide variety of targets for land(including all known conventional and reactive armour),maritime and air
- Low collateral damage in restrictive engagement scenarios

NAVIGATION AND GUIDANCE

- Next generation IMU and autopilot for precision at range
- Inertial mid-course navigation and seeker determinationfor target acquisition
- High bandwidth guidance and agility for fastmanoeuvring targets

PROPULSION

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



TECHNICAL CHARACTERISTICS/SPECIFICATIONS

Weight	50 kg
Length	1.8 m
Diameter	180 mm
Guidance	Millimetric wave radar and semi-active laser
Warhead	Multi-effect, tandem-shaped charge with adaptive fuzing

