

## PRECISION GUIDANCE WITH IMMUNITY TO COUNTERMEASURES

- Military commanders around the world are increasingly concerned about the serious threats being posed to their forces and civilians by low level FGAs, Unmanned Air Vehicles (UAVs) and Attack Helicopters.
- STARStreak has been designed to defeat these threats quickly and effectively and provide a vital capability in force protection.

ADVANCED AIR DEFENCE SOLUTIONS

## STARStreak High Velocity Missile (HVM)





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# STARStreak

## High Velocity Missile (HVM)

### APPLICATIONS

STARStreak High Velocity Missile was designed to provide close air defence against conventional air threats such as fixed wing fighters and late unmasking helicopter targets.

Thales has addressed the needs of military users around the world and introduced major improvements to provide increased range beyond 7 km, increased coverage and altitude and improved guidance precision against small targets.

The STARStreak configuration is based on the proven principles of high velocity to defeat targets with short unmasking times. The three dart payload maximises levels of lethality and accurate line of sight; laser beam riding guidance enables engagement of the smallest signature targets, which are extremely difficult to defeat and lock onto by traditional fire and forget missiles.

The STARStreak missile is capable of being launched from lightweight land, sea and air platforms, from either automatic fire control systems such as the RAPIDRanger or the STARStreak Lightweight Multiple Launcher (LML). STARStreak can therefore be deployed quickly into operations and is easy to integrate into a force structure.

STARStreak is a truly versatile missile and is most effective when dealing with targets with short exposure times. As soon as a target is detected the operator presses the trigger and launches the missile. (There is no waiting for lock on). The rocket motor system accelerates the missile to greater than Mach 3 in a fraction of a second. The missile then releases the three laser guided hittiles towards the target. The laser beam riding guidance, which enables precision engagement of the smallest of targets, is immune to all known countermeasures. The hittiles in flight cannot be decoyed by even the latest flares or Electronic Countermeasures (ECM).

The STARStreak hittiles are designed to defeat both heavily armoured and light skin aerial targets. On penetrating the targets the hittiles will inflict high levels of kinetic energy damage and each hittile also has a fragmenting warhead which detonates inside the target to maximise lethality. The strike is highly precise yet collateral damage is minimised.

STARStreak is versatile, fast, and lethal.

### FEATURES & BENEFITS

- Proven capability against air targets
- Immediate launch capability - no seeker cool down or lock-on required
- High precision laser beam riding guidance which is immune to all known countermeasures
- Low signature rocket motor with short burn time
- Low laser beam energy levels ensuring no warning to target
- Automatic cut down capability for missile in flight (to avoid fratricide)
- Zero maintenance missile - no in service support
- Precision strike/low collateral damage
- Insensitive Munitions (IM) compliance

### MISSILE SPECIFICATIONS

- Lightweight 14kg missile
- Mach 3+ velocity
- Operational range in excess of 7000m
- High performance tungsten warhead
- Qualified for operation in severe climate/EM/ NBC conditions

