



SPEAR

NETWORK-ENABLED PRECISION SURFACE ATTACK

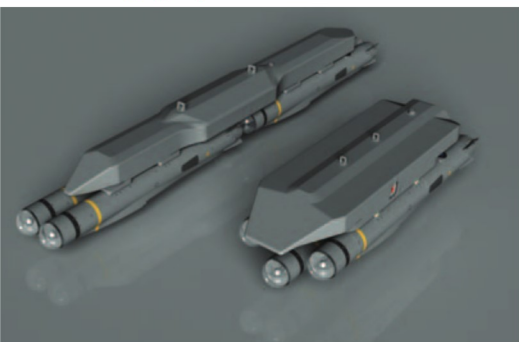
The next generation air launched Surface Attack Weapon SPEAR is MBDA's latest capability for Selective Precision Effects At Range.

Recent conflicts have demonstrated the continuing need for precision strike weapons that can operate in all conditions, against severe countermeasures and attack moving and manoeuvring targets. Powered by a turbojet engine, SPEAR has the beyond horizon reach to ensure that the aircraft remains safely away from hostile air defence units.

SPEAR is equipped with a precision effects warhead and will allow the warfighter to reduce the numbers of different weapons within inventory while extending the operator's air-to-ground capability far beyond the horizon. SPEAR provides high aircraft survivability with a low collateral damage. Fitted with an advanced multi-sensor seeker, SPEAR can engage a wide range of target types both on land and at sea.

SPEAR – effective against:

- Air Defence Units, ballistic missile launchers
- Defended structures
- Fast moving and manoeuvring vehicles
- Main battle tanks, self-propelled guns, armoured personnel carriers
- Naval vessels



Platform integration

SPEAR is fast jet compatible and will equip Eurofighter Typhoon and F-35.

Technical details:

Weight:	< 100kg
Length:	< 2m
Diameter:	180mm
Guidance:	Multi-mode seeker and INS/GPS
Warhead:	Multi-effect

Seeker

- Multi-mode seeker for selectivity in complex scenarios

Navigation and guidance

- Inertial navigation with GPS throughout the operating envelope

Network enabled

- Two-way data link allowing in-flight updates, retargeting and abort functions. SPEAR can be used in both Fire-and-Forget and Semi Active Laser designation modes as well as fully Network Enabled

Warhead

- Multi-Effect warhead with multiple fusing options allowing tuneable effects; enhancing lethality while minimising collateral risk

Propulsion

- Turbojet propulsion for long reach, operational flexibility in any weather, increased weapon and platform survivability

