

STORM SHADOW/SCALP

CONVENTIONALLY ARMED LONG RANGE DEEP STRIKE WEAPON

Storm Shadow/SCALP is an air-launched long range, conventionally armed, deep strike weapon, designed to meet the demanding requirements of pre-planned attacks against high value fixed or stationary targets such as hardened bunkers and key infrastructure.

Capable of being operated day and night in all weathers, the weapon offers a high precision mission planned deep strike capability. Storm Shadow / SCALP's exceptional accuracy is due to its advanced navigation system that combines INS, GPS and terrain referencing. After launch, the weapon descends to terrain hugging altitude to avoid detection. On approaching the target, its onboard infrared seeker matches the target image with the stored picture to ensure a precision strike and minimal collateral damage.

Platform integration

Storm Shadow/SCALP is operated from Eurofighter Typhoon, Rafale, Mirage 2000 and Tornado. It is in service with the Royal Air Force, the French Air Force, the Italian Air Force and a number of export countries and has seen operational service in Iraq, Libya and Syria.

Operational advantages

High survivability

Achieved through long stand-off range and low observability. Enemy ground-based air defence avoidance through sophisticated mission planning and long range. High levels of navigation accuracy through INS, GPS and Terrain Reference Navigation system.

• Pinpoint terminal accuracy

Achieved through IIR seeker and Automatic Target Recognition (ATR).

Terminal effectiveness

Provided by high final dive and tandem warhead, precursor charge and a large explosive/kinetic energy penetrator. Warhead detonation options include airburst, impact and penetrative modes.



MBDA contacts

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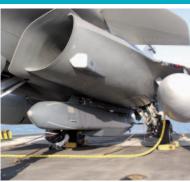
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Technical characteristics/specifications

Weight: 1,300kg Length: 5.10m Propulsion: Turbojet

Navigation: INS, GPS and Terrain Reference Navigation

Warhead: Blast/penetrator Range: In excess of 250km

