



# SMARTGLIDER

## LONG RANGE, MULTI-TARGET PRECISION GLIDE MUNITION

Experience drawn from recent and current air force operations has revealed that conflicts no longer follow predictable phases and targeting is no longer a static, but a highly dynamic process. Moreover, area denial strategies are becoming more commonplace, and networked Air Defence Systems can be brought into action at any time during a conflict to threaten air operations in their totality. The SmartGlider family of munitions matches this paradigm and constitutes a new generation of air-to-ground tactical strike weapons for the decades to come.

The family comprises two formats of weapon: light and heavy, to cover the maximum number of air-to-ground missions from Close Air Support (CAS) to Air Interdiction and Offensive Counter Air (destruction of enemy air assets on the ground) as well as Suppression and/or Destruction of Enemy Air Defence (SEAD/DEAD).

### **SmartGlider Light – the new generation weapon for current and potential future conflict scenarios**

SmartGlider Light is a compact, highly efficient weapon (2 metres long and weighing 120kg) that can be carried in large numbers under an aircraft. It provides a long stand-off range of well beyond 100km as well as a flexible precision strike capability against a wide range of targets from hardened fixed targets in contested environments (such as shelters) to relocatable and mobile targets. As such, SmartGlider Light will allow first-day-entry by saturating and destroying enemy air defences as well as continuing to be the preferred general purpose munition as the conflict progresses.

One aircraft, with SmartGlider Light, can engage up to 18 different targets simultaneously within a 40,000km<sup>2</sup> area.

### **Operational advantages**

- A wolf pack strategy for the destruction of advanced enemy Air Defence Systems from a safe stand-off range
- High precision and flexible multi-mode terminal guidance combined with IN/GNSS-based navigation
- Dynamic multi-targeting without extensive mission planning
- Focused high lethal effect with high penetration capability with optimised collateral damage control
- Readily deployable even during conditions of severe access denial
- On station, ready to respond to unexpected enemy movements of troops and/or material and other opportunistic targets
- Minimum logistic footprint

SmartGlider Light



**MBDA**

Hexbomb Smart Launcher

SmartGlider Heavy

## Hexbomb Smart Launcher – high load out for saturating strikes

The Hexbomb Smart Launcher is key to SmartGlider Light's high firepower offering, high load out under the aircraft (up to 18 munitions carried externally on three aircraft store points).

## SmartGlider Heavy – the new generation stand-off heavy weapon

SmartGlider Heavy relies on the same glide concept as SmartGlider Light, yet features a significantly larger warhead which is capable of delivering combined high penetration and blast effects. This allows for the engagement of a wide range of large sized targets such as infrastructure and substantial reinforced

buildings while keeping the launch aircraft at a safe range of well beyond 100 km (similar to SmartGlider Light). Only a fully integrated weapon with a bespoke warhead can offer such lethal performance (when compared to the 70 year-old Mk8x series). SmartGlider Heavy uses the same guidance (high precision and flexible multi-mode guidance) and navigation chain as SmartGlider Light for a robust, reliable and precise strike capability.

### Technical characteristics/specifications

#### SmartGlider Light

Advanced aerodynamics glide munition

Weight: 120kg

Length: < 2m

Warhead: 80kg multi-effect unitary charge

Max range: much greater than 100km

High precision multi-mode guidance

#### SmartGlider Heavy

Advanced aerodynamics glide munition

Weight: 1,300kg

Length: 4m

Warhead: 1,000kg class with combined high blast and penetration effects

Max range: much greater than 100km

High precision multi-mode guidance

