



GB-250

Converting unguided bombs into “smart” munitions

The modern battlefield requires more precision, more efficiency, and more intelligence than ever before. The smart munition isn't always accompanied by high costs. At EDePro, we have perfected the know-how, of improving existing solutions to make them cutting-edge. The GB-250 Gliding Bomb Kit embodies this know-how creating an advanced guidance system, which converts the original Mk-82 into high precision munition, minimizing engagement costs and maximizing mission success rate.

Tactical Use

Known as a “smart bomb”, GB-250 is a guided air-to-surface weapon designed to destroy a static (and armoured) target on the ground, minimizing at the same time collateral damage and aircrew losses, while increasing lethality against targets of opportunity, with a relatively small and precise strike.

The Autonomous Glide

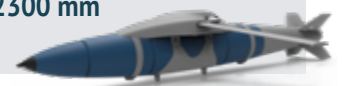
Fully autonomous glide to designated target once released from aircraft is enabled through Inertial Navigation System (INS) and Global Positioning System (GPS) system integrated into stabilizer with 4 moving fins.

The Data Link

Design features ensure the wing's full deployment is less than 5 sec after release, with simple kinematics of deployment subsystem to ensure reliability. The power source is independent of aircraft. The tail assembly is easily mountable without intervention on the bomb body. Mechanical lock of fins and wings provides safe separation from the A/C.

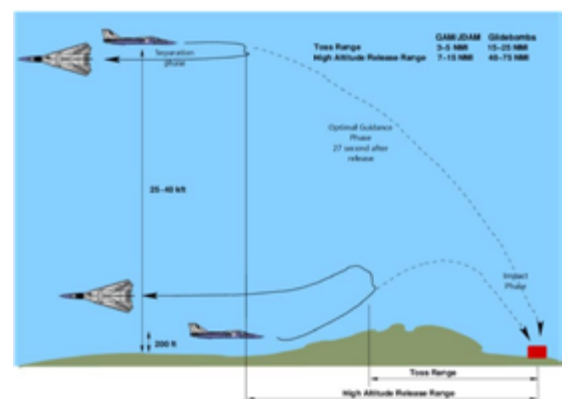
MAIN SPECIFICATIONS

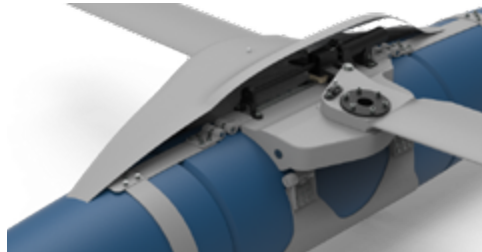
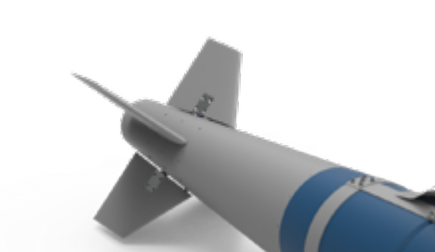
- Ø Calibre: 250 mm
- ◇ Range: 70 km
- 📏 Takeoff mass: 280 kg
- ↔ Length: 2300 mm



The Extended Range

Fully autonomous glide to designated target once released from aircraft is enabled through Inertial Navigation System (INS) and Global Positioning System (GPS) system integrated into stabilizer with 4 moving fins.



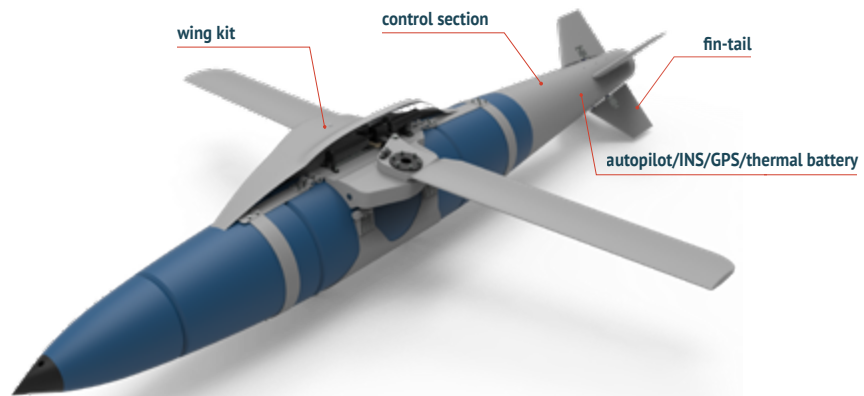


MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification

	Data	Unit
Calibre	250	mm
Takeoff mass (max)	280	kg
Length	2300	mm
Wingspan	1750	mm
Wing sweep angle	14	°
Takeoff speed	600-1000	km/h
Weapon released from aircraft	4-11	km
Dihedral angle	8	°
Incidence angle	3	°
Minimum G load in-flight	2.5	g
Temperature range	-55/+70	°C

GUIDED BOMB COMPONENTS



BENEFITS

- » Low-cost wing kit designed to fit Mk-82 bomb body.
- » Fully autonomous glide to designated target.
- » Autonomous flight (INS+GPS) - stabilizer with 4 moving fins.
- » Mechanically integrated to aircraft according to MIL-STD-8591.
- » Electrically integrated to aircraft according to MIL-STD-1760.
- » Electronic eqpt. integrated in stabilizer according to MIL specs.

