DEVELOPMENT

JOINT LASER-GUIDED ROCKET

Aircraft rockets

State-of-the-art joint laser-guided rocket, which can be launched from various platforms: land, naval, helicopter or aircraft, intended for annihilation of ground targets beyond the visual range at the moment of launching.

Principle of operation

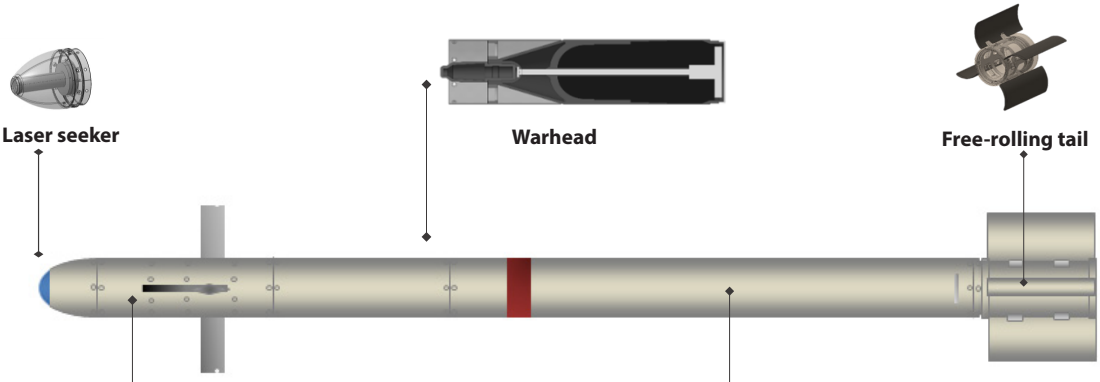
- Target identification – by laser or by the command center
- The operator directs the launcher towards the target using the control panel
- By means of the firing system control, the operator sends a code to the laser, and location and launching parameters to the guidance section
- The code for the identified target is then approved
- The operator fires the missile towards the designated location
- The missile uses inertia, GPS, navigation or combination of those to guide itself towards the located target
- The laser seeker detects the code and continues to guide the projectile towards the target autonomously

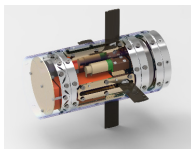
CHARACTERISTICS:

- Diameter: 128 mm
- Weight: 57 kg
- Length: 2200 mm
- Warhead: 20 kg (HE blast fragmentation)
- Guidance: IPP and INS along the first half of the trajectory, laser in the terminal phase
- Maximum velocity: 500 m/s
- Range

  When launched from a helicopter,
  H= 1500 m at the velocity of 50 m/s : 15 km

  When launched from aircraft:
  H= 5000 m and V=200 m/s: 23 km
  H= 8000 m and V=200 m/s: 28 km

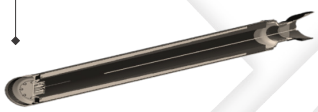




Guidance section
Autopilot Bored
- INS/GPS navigation
- OFS
- Communication

Canard Actuator System
- 4 canards
- 4 DC Motor + Encoder + Drivers
- Canard Actuator Assembly [CAA]

Batteries
- Option [1]: Thermal Battery
- Option [2]: Ultracap



Solid propellant rocket motor