

ALAS C

A powerful coastal defence system

Continuing the ALAS missile family's legacy, ALAS-C is designed and adapted for demanding coastal missions against a variety of various naval targets and it has all the functions of a 5th generation missile. Furthermore, its anti-ship and land-attack capabilities – including deep penetration – are a testament to EDePro's continuous enhancement of in-house designs.

Tactical Use

ALAS C is intended for anti-ship and anti-landing scenarios, preparing assaults, opening passages, maintaining the pace of attacks, and destroying the enemy coastal by attacking from the sea.

The Guidance System

The missile is self-guided via aided inertial navigation system, while its terminal guidance is based on video/infrared technology and the homing head's signal with an absolute accuracy of 1 m. The trajectory guidance is based on the GCS's preset trajectory points. The homing head subsystem consists of a seeker, TV CCD or IR sensor with a gyro-stabilised frame, and a computer, which uses a picture picture-processing and control coordinator with the associated electronics.

The Warhead Type

ALAS C has a blast fragmentation warhead. As a product of modern sensor-integrated warhead technology involving intelligent and highly efficient ammunition, it is more successful in destroying hardened targets.

Enviromental & Operational Conditions

The prototype fully complies with the following MIL-STD-810F standard's test methods: 501.4 (High TEMP), 502.4 (Low TEMP), 503.4 (TEMP Shock), 507.4 (Humidity), 513.5 (Acceleration), 514.5 (Vibrations).

MAIN SPECIFICATIONS

- Ø Calibre: 175 mm
- ◆ Range: 25 km
- 📏 Takeoff mass: 77 kg
- ↔ Length: 2720 mm



The Launcher Type

Due to the joint development between the Republic of Serbia and the United Arab Emirates (UAE), the missile is designed for providing coastal defence while integrated with the "Ha-feet" 6x6 tactical armoured vehicle (produced by UAE's Nimr Automotive LLC).





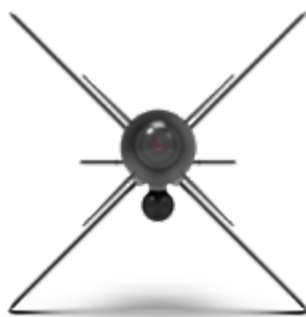
MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical specifications

Total body length
Calibre
Wingspan
Takeoff mass
Container's inner dimensions
In-flight mass
Sustainer type
Sustainer speed
Booster type (detachable)
Cruising speed
Maximum flight altitude above sea level
Cruising altitude relative to the launching position
Maximum effective range
Minimum effective range
Maximum manoeuvrability

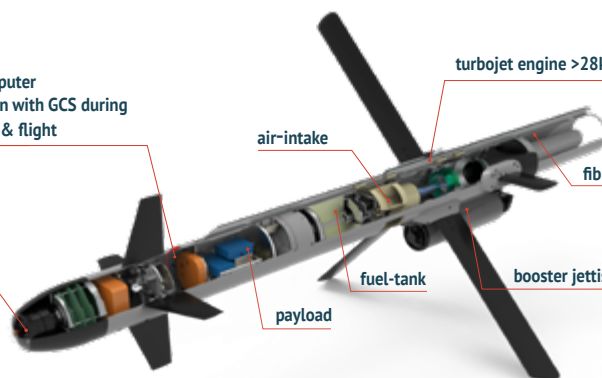
Data	Unit
2720	mm
175	mm
1638	mm
77	kg
400 x 472	mm
62	kg
turbojet engine	/
90000	rpm
a solid propellant RM	/
120-150	m/s
2000	m
150-600	m
25	km
3	km
4	g

MISSILE COMPONENTS



on-board computer communication with GCS during mission setup & flight

homing head



turbojet engine >28kg

air-intake

fibre-optic bobine

payload

booster jettison control with motor life 10 h

BENEFITS

- » The navigation relies on INS, GPS and on altimeter (based on availability).
- » The midterm guidance based on pre-set trajectory points from GCS.
- » The homing head signal has an absolute accuracy of 1 m.
- » Tracking and lock-on target range can be up to 7 km.
- » Communication with (GCS) during the mission setup & flight.
- » Mission abort can be manual (via GCS) or automatic (based on predefined criteria).

