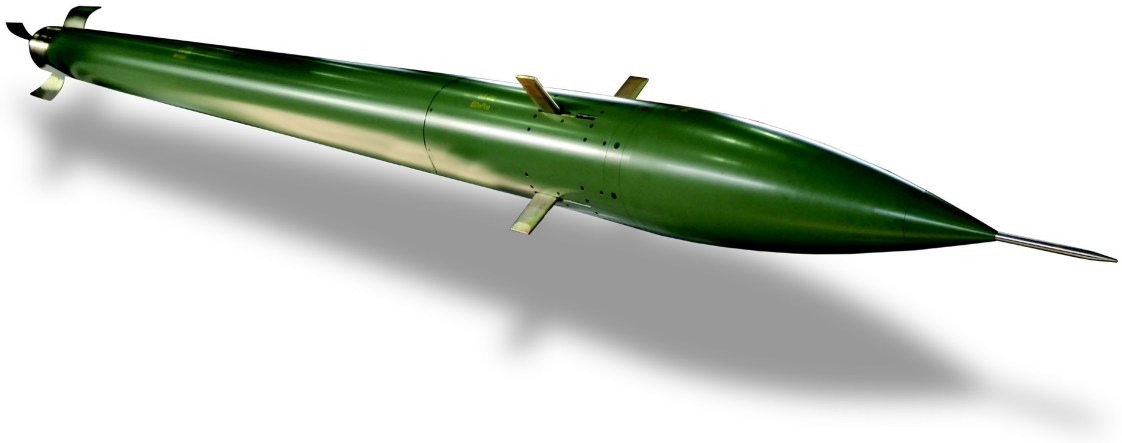
DEVELOPMENT



400 mm, YERINA 1

Correctable artillery rocket

„Yerina - 1“ is designed for destruction of enemy area targets and large point targets such as: military bases, airports, ports and port facilities, important transport nodes and crossroads, factories and other significant immovable objects on land at distances of up to 285 km.

Performances

- Maximum range (at sea level) Up to 285 km
- Minimum range (at sea level) More than 70 km
- Operating temperature range -30°C/+50°C
- CEP < 50 m

Warhead

- Type of warhead HE/fragmentation
- Warhead weight 200 kg

Rocket motor

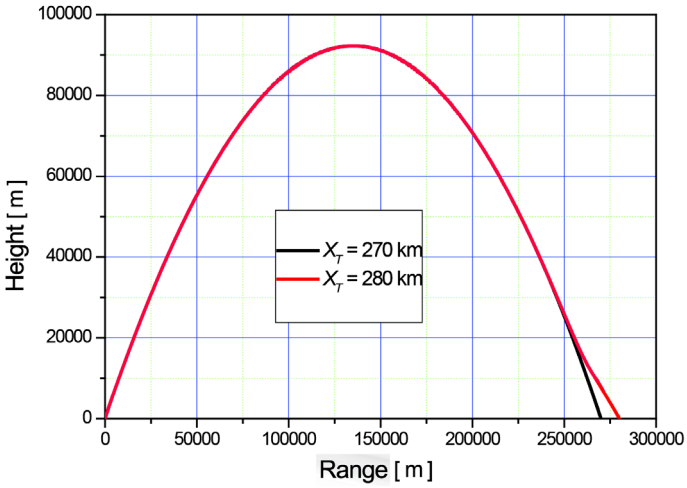
- Type of propellant Solid composite
- Overall missile length 8250 mm
- Missile caliber 400 mm
- Span of foldable fins with grooves 854 mm
- Span of control surfaces (canards): 720 mm
- Length of container-type launcher 8600 mm
- Missile weight at launch ~ 1500 kg
- Rocket motor propellant weight ~ 890 kg

Missile description

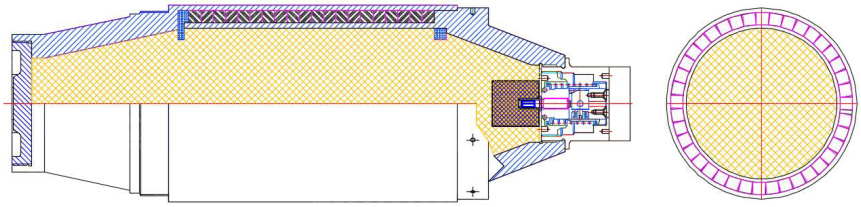
The basic subsystems (modules) of the missile include the warhead, the control section with the inertial navigation system (INS) and guidance section, the rocket motor and the rotating fin section.

The warhead

The warhead is a high-explosive fragmentation type with a total weight of 200 kg furnished with a contact and proximity fuse.



Missile trajectories in the vertical plane



Warhead drawing

Warhead characteristics:

Warhead

• Type of warhead	HE/fragmentation
• Warhead weight	200 kg
• Type of explosive	composite HMX Al
• Exsplosive weight	41 kg
• Missile time to launch	≤12min
• Warhead length	950 mm
• Warhead diameter	300 mm

Fuse

• Type of fuse	Proximity / conatct