



MLRS Jerina-1 (J1) 400 mm

A modern guided surface-to-surface missile

When searching for combat superiority, modern armed forces rely on next-generation technologies that combine more safety, more responsiveness, more accuracy, and superior performance. All these attributes describe EDePro's world-class guided surface-to-surface missile system Jerina-1. Initially developed by our in-house engineering, Jerina-1 responds to demands of the most critical missions of modern warfare. The missile is part of a self-propelled multiple launch system "Šumadija" designed for the transport and launch of 285km and 75km range rockets.

Tactical Use

The system is intended for the destruction of enemy surface targets such as military bases, airports, ports and port facilities, crucial transport hubs and intersections, factory facilities, and other significant land stationary objects at distances up to 285 km.

The Warhead Type

The front of the missile is fitted with a high explosive fragmentation warhead, with a total weight of 200 kg furnished with a contact and proximity fuse. Scalability of the system allows integration of thermobaric and other 200kg types of warheads.

The Guidance and Navigation System

The missile uses a high-precision Inertial navigation system (INS) consisting of an Inertial measurement unit (IMU) and navigational computer. In combination with North Finder, the system provides accurate and reliable information for target acquisition. The navigation and orientation equipment on the weapon system is based on a GPS system.

Environmental & 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: 400 mm
- ◇ Range: 285 km
- 📏 Takeoff mass: 1530 kg
- ↔ Length: 8320 mm



The Launcher Type - MLRS "Šumadija"

A rocket launches from a multi-barrel container-type launcher. The packaging of a certain number of containers filled with rockets (6 launch tubes) is placed on a transport launch vehicle of high manoeuvrability. The launch platform is a rotary type, and the system is designed so as to allow launching over the cabin at an azimuth angle of $\pm 30^\circ$.



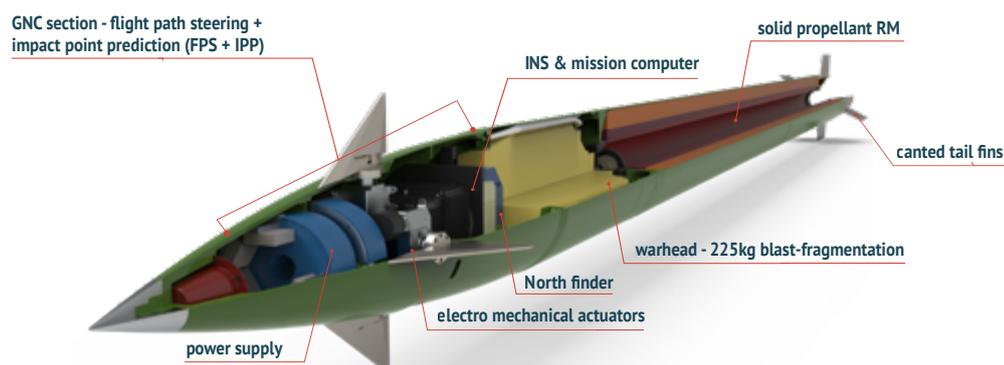


MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification

	Data	Unit
Total body length	8320	mm
Calibre	400	mm
Takeoff mass	1530	kg
In-flight mass	620	kg
Wingspan	740	mm
Maximum range	285	km
Minimum range	100	km
Total impulse	206500	dN-s
Rate of fire (1 missile)	12	min
Launch reliability	> 95	%
Flight reliability	> 95	%
Detonation Mechanism	Impact/Proximity fuse	/
Dispersion (CEP)	~ 3	‰

MISSILE COMPONENTS



BENEFITS

- » HE fragmentation warhead with the possibility to integrate different types up to 200 kg.
- » Solid propellant RM built with in-house thermal insulation technology.
- » INS and North finder with the capability of GPS integration.
- » The guidance based on flight path steering & impact point prediction.
- » The launch vehicle can carry up to 6 missiles.
- » 10 years of shelf life.

