



# MLRS O-40 OGANJ 128mm

*Made for extreme combat conditions*

The O-40 128mm ballistic rocket is designed by EDePro's engineers as a part of the existing M-77 OGANJ weapons' modernisation programme (NATO reporting name YMRL-32). Relying on latest defence innovations, the O-40 has a modernised warhead and rocket motor, which notably improves the firepower of artillery units on the battlefield by enabling a higher speed and efficiency, and ensuring ultimate accuracy. Versatile and highly reliable, the OGANJ 128mm is a weapon certified according to strict modern military standards. It is also an advanced system designed for the most extreme combat conditions.

## MAIN SPECIFICATIONS

- Ø Calibre: 128 mm
- ◇ Range: 40+ km
- 📦 Takeoff mass: 77,4 kg
- ◇ Length: 2790 mm



## Tactical Use

As we live in a time that we can witness in modern warfare, the weapons that are used the most, and with the best results, are artillery rocket systems fired from multiple launchers. The O-40 128mm is one of them, intended for neutralising manpower, combat-related assets, command posts, bases, warehouses, airports and all lightly armoured targets. Within its category, the O-40's extended range capabilities are outstanding.

## The Warhead Type

Compared to the original M-77, the O-40's adapted warhead has stronger blast and fragmentation effects on the target. It also has a standard MRV-U fuse, with an instantaneous or delayed action. The warhead's changed shape enables lower aerodynamic coefficients and a better performance in arena tests.

## Transport

The rocket is shipped pre-assembled, with a separately packed fuse that enables easy and safe transport. Intended for all modes of transport, the O-40 128mm is transported in a box certified according to UN standards.

## The Integration Flexibility

The rocket is designed to be compatible with all existing 128mm launcher systems. Initially, this artillery weapon was designed for the MLRS M-77 OGANJ, deployed in the Serbian Army. The rocket's directing rotation pin and electrical contact for starting the rocket motor are the same as those on the original rocket. Moreover, should the need arise, the rocket can be easily adjusted to another type of launcher.





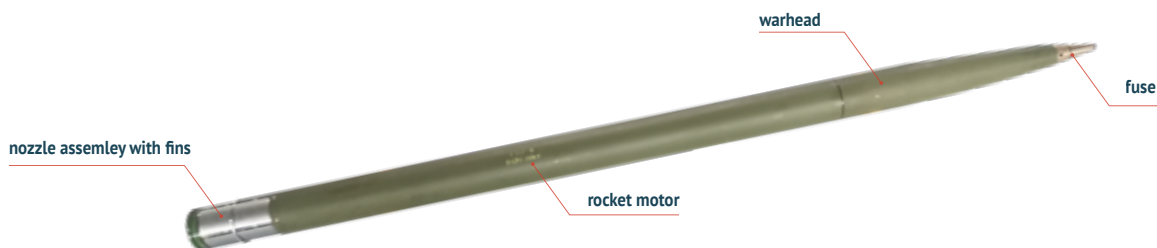
**MAIN TACTICAL AND TECHNICAL PERFORMANCES**

**Technical Specification**

Calibre
Length
Temperature range
Total mass
Warhead's mass (fuse included)
Propellant's mass
Rocket motor's length
Burning time
Motor's total impulse
Max. velocity at Xe
Top of the trajectory at Xe
Flight time at Xe
Elevation
Range (Xe)
CEP at max. range

Data	Unit
128	mm
2.790	mm
-30 ÷ +50	°C
77.4	kg
23.4	kg
28.6	kg
1993	mm
3.0	s
68000	Ns
1050	m/s
15000	m
113	s
50.0	°
>40	km
≤0.96	%

**ROCKET COMPONENTS**



**BENEFITS**

- » Increased blast and fragmentation effects on the target compared to the original one;
- » Ability to use 2 types of spoiler (break) rings;
- » Versatility – different types of warhead and fin assemblies on demand;
- » Extended range;
- » Easy and safe transport.

