



MLRS Hurricane 262mm

A long-range surface-to-surface rocket

The **HURRICANE 262mm** is unguided surface-to-surface rocket intended for strong general fire support and action on tactical depth of the enemy. For shortening the range, firing over obstacles and landing with high impact angle is used breaking (spoiler) ring. The high accuracy (C.E.P. less than 1% at maximal range) is achieved by clever design and strict quality control.

Tactical Use

It is used to defeat enemy motor-rifle and infantry units in concentration areas, on the march and in battle formations, artillery and mortar batteries, air defense units, and logistics facilities. A rocket launches from multi-barrel launching rocket system.

The Warhead Type

The warhead is blast fragmentation and it is activated by the impact fuse located at the front. It consists of shell, pre-fragmented elements and explosive charge. Shell is made out of steel and there are several cylinders placed one in each other, they are made out of pre fragmented sheet of steel. Pre-fragmentation is done on such way to have different mass of fragments in order to cover different goals (from humans to light armored targets).

The Rocket Motor

The rocket motor is completely new modern design with single propellant grain, which is inhibited along the outer surface and front end. It contains two types of propellant, which differ in burning rate. This has resulted in a high-level loading factor, almost neutral burning and minimization of the sliver. Rocket motor is airtight. Solid rocket propellant used for grain production is modern thermoplastic composite propellant with excellent energetic, mechanical and aging characteristics. The steel nozzle with abounded ablative materials has one graphite throat.

The Fin Section

The fin section consists of 6 folded fins which are secure rocket stability and moderate rotation around the longitudinal axes which helps in precision order (diminished influence of rocket imperfections).

MAIN SPECIFICATIONS

- Calibre: 262 mm
- Range: 70.7 km
- Takeoff mass: 410 kg
- Length: 4275 mm



The Launcher Type

A rocket launches from multi-barrel container-type launching rocket system. The vehicle can carry 2 launching modules each contains 6 tubes, total 12. The launch modules are designed for giving direction when launching, locking the rocket when traveling, electrical ignition of the rocket motor and stowage and storage. The elevation and traverse can be automatic, semi-automatic and manual.

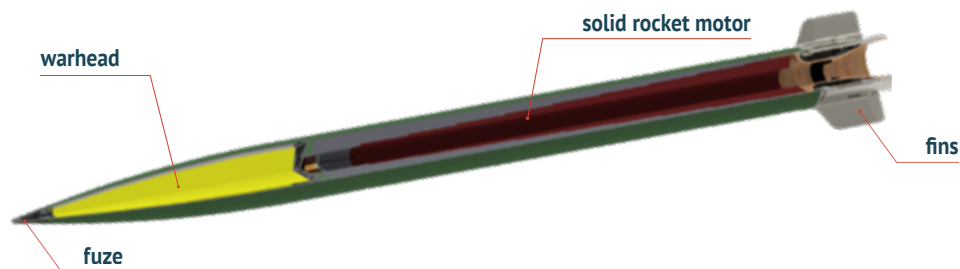


MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification

	Data	Unit
Calibre	262	mm
Total body length	4275	mm
Takeoff mass	410	kg
Warhead mass with fuse	150	kg
Explosive mass in W.H.	50	kg
Number of W.H. fragments	18200	pcs
Ready-made (weighing ~3g)	6300	pcs
Ready-made (weighing ~6g)	5500	pcs
Ready-made (weighing ~10g)	1400	pcs
From the body (average ~6g)	5000	pcs
Type of Explosive Filling	TNT/RDX	/
Warhead lethal radius	65/75	m
Fuze designation	point detonating	/
Type of propellant	composite	/
Propellant mass	160	kg
Burning time	4	s
Total motor impulse	370000	Ns
Minimal range with breaking ring	9	km
Maximal range with breaking ring	32.7	km
Minimal range	15	km
Maximal range	70.7	km
Apogee at maximal range	26.4	km
Flight time at max. range	151	s
CEP at max. range	< 1	%
Temperature range	-30÷+60	°C

ROCKET COMPONENTS



BENEFITS

- » pre-fragmentation has different mass of fragments in order to cover different type of targets;
- » system enables high precision of rocket hits;
- » rocket motor contains modern thermoplastic composite propellant with excellent characteristics;
- » the launcher can carry 2 launching modules with 6 tubes, total 12;
- » fast preparation for launching and simple use.

