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MULTIPLE ROCKET LAUNCHER 107 mm "MALIŠA"

MALIŠA (eng. "KIDDO") represents a family of multiple rocket launchers with different number of launcher tubes with towed or self-propelled chassis.

ROCKET LAUNCHER "MALIŠA" 107 mm - technical specification

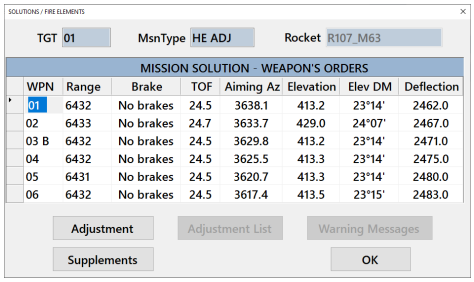
Calibre	107 mm
Max. Range	8,4 km (up to 11,5 km)
Launching Device	Fixed launch box with 32, 24, 18 or 12 tubes
Launching Device provide	- Locking device of rocket - Firing elements (azimuth and elevation) - Electric ignition of rocket motor
Operating temperature range	From -30°C to +54 °C
Field of action	- In elevation: 0° ÷ 48° - In traverse: ±15°
Launcher laying (traverse and elevation)	- Manual - Semi automatic
Accuracy of launcher laying	- 1 mils
Vehicle	- towing vehicle - self-propelled vehicle (min. load capacity: 1050 kg)
Crew and arrangement	- Four crew members
Weapon stability during firing	- Achieved by using two arms of trailer
Types of fire (electronic trigger via cable from a distance of up to 25 m)	- Single fire - Salvo firing (time delay from 0,4 to 1 s)
Ready-to-fire preparation time	- max. 90 s
Time of getting out of firing position	- max. 60 s
Protection of launcher	Tarpaulin and camuflage nets
Loaded weight	- max. 2100 kg
Dimensions	- Length (max.) 4000 mm - Width (max.) 2250 mm - Height (max.) 1580 mm

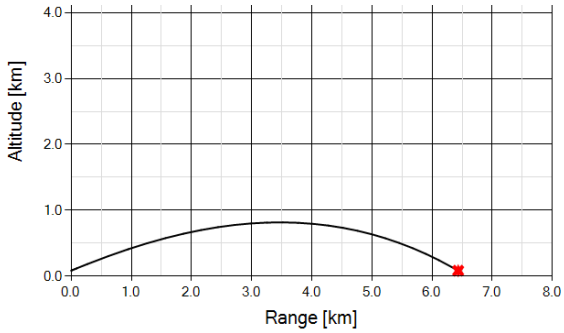
BALLISTIC COMPUTER

The Ballistics Computer provides fast automated firing elements computation and display capabilities for the 107 mm rockets for the given target position and ballistic and meteorological data.

The hardware is ruggedized tablet/notebook, battery powered unit. It is equipped with GPS, Cellular (WWAN), blue tooth, and Wi-Fi.

Software is dedicated – own developed.
Here is an example for six MLRS weapons in a battery – battlefield, solution and trajectory of base weapon screenshots.





SELF-PROPELLED MULTIPLE ROCKET LAUNCHER

Design of **"MALIŠA"** allows the artillery part of launcher to be simply installed on various, partially modified, wheeled chassis. They are high mobility vehicles, usually based on 4 or 6 wheels and minimum load capacity 1050 kg. This makes it possibilie due to the high-level of automation of the launcher control system and the ability to operate in fully autonomous mode (calculation with a ballistic computer, aiming, automatic setting the tube in the firing position means by electro drive and firing of rocket).