



MELS LAUNCHER

The MELS Launcher is a cutting-edge system designed for launching Anti-Tank Guided Missiles (ATGMs). As the battlefield evolves, our platform ensures that ground forces have the capability to engage armoured threats effectively. It sets new performance standards in the family of launchers for land systems.

The MELS Launcher is specifically designed for the deployment of SPIKE missiles, providing a powerful solution for modern anti-tank systems. An all-around ballistic protection allows the safe transportation and launch of the payload even under the toughest conditions.

The platform allows for a seamless integration on a variety of ground vehicles. The MELS Launcher is aimed at armed forces requiring a reliable and effective solution against heavy armoured targets within and outside the range of vision. It can be integrated into wheeled and tracked vehicles.

Focusing on highest performance, the MELS Launcher enables the transportation and launch of two SPIKE LR2 Missiles, an advanced state-of-the-art 5th generation multi-purpose multi-platform missile.

The system is fully integrated into the turret and allows the crew to fire the ATGM under cover.

Ensuring safe operation and reliability, the MELS Launcher features various SIL-rated sensors and encoders.

The external design reduces the needed space to an absolute minimum, simultaneously lowering vibration and shock introduced into the critical components. It is designed to be integrated into already developed turrets with minimum effort.

The entire Missile-launching subsystem is attached to an independently dampened structure that prevents harsh vibrations and shock loads from reaching the sensitive components. The dampening system will be locked in the ready-to-fire state, creating a rigid connection to allow for precise firing angles.



WEIGHT & DIMENSIONS MISSILE LAUNCH POD (START PLATFORM)

Weight	309.5 kg (incl. 2 missiles)
Length	1,255 mm
Width	600 mm
Height	600 mm
Elevation	0° to 36.5°
Azimuth	Bouncing signals provided to turret and elevation unit

SENSORS/ENCODERS

Proximity sensors ¹⁾	Deployed state
	Damper lock engaged/disengaged
	Travel lock engaged/disengaged
Temperature sensor ¹⁾	Temperature inside mission pod
Inclinometer ¹⁾	Pitch angle to ground
	Roll angle to ground
Angle sensor ¹⁾	Angle on pitch axis

TECHNICAL DATA & PERFORMANCE

Ballistic protection	Ballistic protection STANAG Level 1
Ammunition	Can load, transport and launch two SPIKE LR or LR2 ATGMs
Built-in test	Features PBIT, IBIT and CBIT for different functional tests and fault localization
Environment	Launcher is qualified to NATO specific environmental tests and can be operated in the temperature range from -46°C up to +63°C
Establishing operational readiness	≤5 s
Establishing basic condition	≤5 s

¹⁾ All controlled via the onboard safety unit

Note: The information about the scope of delivery, appearance, performance, dimensions and weight of the system corresponds to that configuration status available at the time of printing. Deviations from the illustrations in color and shape, errors and misprints as well as changes are reserved.