MISSION POD ATGM

The remotely operated, turret-integrated launcher for anti-tank guided missiles from Rheinmetall sets new performance standards in the family of launchers for land systems. The lightweight system is designed as a Deployment Kit, enabling the customer to switch vehicle roles in field and deliver effects on target.

The Mission Pod ATGM in its primary purpose can be installed in both wheeled and tracked vehicles utilizing a defined mounting interface on the left side.

For installation in or on protected systems, the Mission Pod ATGM provides interfaces for mounting ballistic protection plates on the top and on the right, front and rear. It is certified.

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

Integration into the turret SW and BMS offers the ability to launch the missile and steer it to the target using the video image from the seeker of the missile while staying protected inside the vehicle.

Ensuring safe operation and reliability, the Mission Pod ATGM features various SIL-rated sensors and encoders.

The carbon-fibre material and the innovative design reduces the needed space and weight to an absolute minimum, simultaneously lowering vibration and shock introduced into the critical components.

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.

The Mission Pod ATGM flexibly exchangeable with the Mission Pod LM (Loitering Munition).

WEIGHT & DIMENSIONS (WITHOUT BALLISTIC PROTECTION)	
Weight	260 kg
Length	1,216 mm
Width	491 mm (528 mm including mounting blocks)
Height	574 mm
Elevation	0° to 37°
Azimuth	Bouncing signals provided to turret

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

[1)] All controlled via the onboard safety unit

TECHNICAL DATA & PERFORMANCE	
Ballistic protection	Interface to add 4 ballistic protection plates (front, rear, top, side) up to Stanag Level 6
Deployment kit	Can be installed to a turret in field in less than 3.5 hours
Backup mode	Manual override in case of loss power allowing the user to manipulate between stowed and deployed states
Ammunition	Can load, transport and launch two Spike LR or Spike LR2 Missiles
Built-in test	Features PBIT, IBIT and CBIT for different functional tests and fault localization
Environment	Qualified to NATO specific environmental tests. Can be operated in the temperature range from –46°C up to +49°C plus solar radiation
Deploying/Stowing time	3 to 5 seconds

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.

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