



INTEGRATED MORTAR SYSTEMS dual **EIMOS 81 MM**

TAKING RESPONSIBILITY IN A CHANGING WORLD

 **RHEINMETALL**
EXPAL MUNITIONS

FAST REACTION, EFFECTIVE FIREPOWER DELIVERED

dual EIMOS is the answer of Rheinmetall EXPAL Munitions to both high mobility terrestrial and disembarked operations with 81 mm integrated mortar systems.

Rheinmetall Expal Munitions (REM), leader in mortar systems (weapon systems and ammunition), has developed its integrated mortar system dual EIMOS 81 mm.

An 81 mm on-board mortar system with unprepared deep fording capability up to 1.5 m without preparation, unique on the global market, and able to be integrated in several 4x4 light tactical vehicles, like URO VAMTAC ST5 (even in deep fording version). The system maintains the operational advantages of EIMOS, clearly oriented to shoot and scoot, through characteristics such as maneuverability, 360° aiming without the need to deploy any stabilizer providing maximum efficiency in mission, and ensuring survivability.

The dual EIMOS system features an automatic targeting system and two degraded targeting systems. It also includes a ground mortar system that can be operated by the same fire control computer. This means that a single DUAL EIMOS system comprises two mortar systems: one integrated in a vehicle and one traditional, both can be controlled with the fire control system.

Automatic aiming and fire control system boosts shooting procedures and allows dual EIMOS to get into fire position rapidly. Maintaining a firepower capability that is in line with lower formation assets can help to simplify logistics support trains, with the mobility of the platform also allowing for rapid deployment to suit operational need.

The system also integrates the latest generation INU, mounted at the end of the barrel, as a whole increasing dual EIMOS aiming accuracy.

TECHNICAL DATA	
Mortar calibre	81mm smoothbore
Max. range	6,300m
Max. fire rate	15 rpm
Weapon aiming orientation	360°
Weapon aiming elevation	+40° to +85°
Aiming accuracy	up to 1 ⁰⁰
Operating crew	2 min./4 recommended
Shoot & scoot capability	Positioning: 0 s
	Time to first shoot: <30 s
	Leave position: 0 s
Ammunition racks capacity	up to 82 ¹⁾
Autonomy without vehicle supply	up to 50 aiming actions

¹⁾ In integration with VAMTAC ST5



The INU, together with the integration of a GPS antenna and vehicle's odometer, allows its location with or without GPS with a low positioning error.

Regarding interoperability, dual EIMOS can also be tailored to customer needs. It incorporates integration with command and control system provided by REM with the possibility of integrating other systems at army or national level.

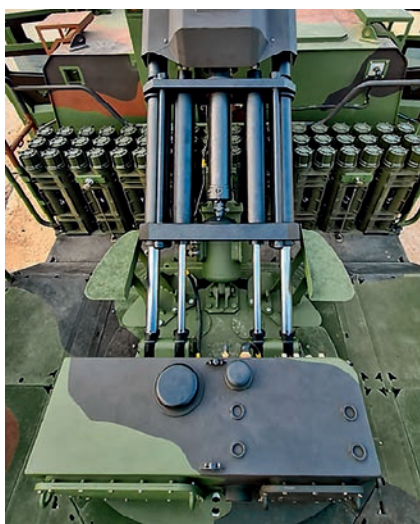
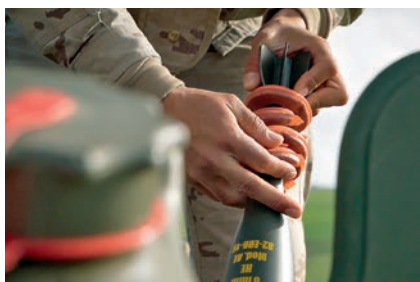


MAIN FEATURES

- 81 mm onboard mortar system
- Mounted on light tactical 4x4 vehicle
- Automatic mortar firing & aiming in 360°
- Interoperability through command and control with C2 and other applications
- Robust and rugged to support operations on the battlefield
- Navigation with or without GPS
- New unprepared deep fording capability unique for this kind of system

BENEFITS FOR THE CUSTOMER

- High mobility
- Fast operation and fire rate
- Enhanced accuracy
- “Shoot & Scoot” capability
- Stand alone or section



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