BOXER**LANCE**

HEAVY WEAPON CARRIER

The BOXER LANCE is a modern, armoured 8x8 vehicle with a crewed LANCE 2 turret system including an effective 30 mm MK30-2/ABM as well as equipment with anti-tank capabilities and secondary armament. The newly developed and modular turret technology complements the basic modular concept of the BOXER and offers optimum conditions in terms of command and control capability and technical growth potential. The BOXER LANCE offers flexible configurations, e.g. as a heavy infantry weapon carrier, in line with the requirements of the various troop types.

Technical superiority – The BOXER LANCE is equipped with state-of-the-art weapon systems, sensors and visual aids. The proven 30 mm MK30-2/ABM main gun offers high accuracy and long endurance firepower against air and ground targets up to 3,000 metres. The integrated ATGM provides the system with anti-tank capability.

Robustness – The BOXER LANCE is designed to maintain the operational capability of the crew and systems, as it has a multi-layered protective structure that separates the crew from weapons and ammunition. In addition, the turret operators can reload the main and secondary weapons under armour protection. The combined manual/electrical backup mode allows the turret to be controlled even if the primary power source fails.

Logistical supply capability – The BOXER LANCE offers sufficient storage space inside and out for the required equipment and ammunition. The turret is suitable for 30 mm, 7.62 mm and 12.7 mm NATO standard ammunition. In total, more than 400 LANCE 2 systems will be in service with various user nations (Australia, Hungary and Germany). These systems are logistically identical and ensure the constant availability of spare parts.

Interoperability – The LANCE 2 turret system is compatible with the BOXER and LYNX platforms. A BMS is fully integrated into the system, including target acquisition and remote target localisation, and enables simple interaction within the battle group.

Scalability – The BOXER LANCE has extensive growth potential due to its GVA core structure. This enables easy integration of new mission systems and effectors such as C-UAV radar reconnaissance, loitering munitions and AI-assisted acceleration of the OODA loop without compromising the basic turret architecture. This is supported by a range of ready-to-use data interfaces inside and outside the turret.

MAIN FEATURES

- Highly mobile 8x8 vehicle
- On its own axle into the operational area
- High level of firepower due to crewed & modern LANCE 2 turret system
- Effective due to 30 mm MK30-2/ABM & ATGM
- Optimum conditions in terms of command and control capability thanks to C4I system in conjunction with GVA
- Technical growth potential due to modularity and system openness

RHEINMETALL

TECHNICAL DATA	
Dimensions	
Length	8,872 m
Width	2,986 m
Height	3,663 m
Weight and protection	
Vehicle weight	39,500 kg
Protection	Modular protection; different protection levels possible
Performance BOXER (Mobility)	
Max. road speed	100 km/h
Slope angle	40°
Lateral angle of inclination	30°
Wading depth	1.4 m
Climbing ability	0.7 m
Trench crossing	2 m
Performance Lance (Effect)	
Effective range (main armament)	up to 3,000 m

Elevation (main armament)	−10°/+45°
ATGM	up to 5,000 m
Aiming velocity side turret	1 rad/s
Aiming velocity side height	›0,9 rad/s
Range of identification	up to 5,000 m (B3 armoured vehicle
	2.3 m x 2.3 m in acc. with STANAG 4347)
Awareness	Extensive audio-visual orientation
	(Command and control via hatch possible)
Controllability	Hunter-killer capability
	(killer-killer capability through MSSA)
Engine	
Manufacturer	MTU
Kind	MTU 8V199 V8 Diesel engine
Performance	530 kW/720 hp
Torque	2700 Nm
Emission standard	Euro III

OTHER BOXER VARIANTS (IN ADDITION TO THE VARIANTS EQUIPPED WITH LANCE)

Variant	1	APC	Variant	7	Repair & Recovery
Variant	2	Command Post	Variant	8	Cargo Vehicle (NL)/Cargo C2
Variant	3	Ambulance	Variant	9	Tactical Network
Variant	4	Driver trainer	Variant	10	4 variants Lithuania
Variant	5	Air Defence	Variant	11	6 variants LAND 400 (Australia)
Variant	6	Mortar	Variant	12	4 configurations MIV (United Kingdom)

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