

Remote Controlled Howitzer RCH155®

The mission changes – so does BOXER



BOXER as Remote-Controlled Howitzer 155 mm (RCH155®) combines the firepower and effective range of the automated, remote-controlled Artillery Gun Module (AGM®) with the protection and mobility of the combat-proven wheeled armoured vehicle BOXER.

RCH155® can fire up to 9 rounds per minute to a range of up to 40 km with standard ammunition (Base Bleed, BB) which leads to an area coverage of 5,026 km². An increased range of up to 54 km is possible with Velocity Enhanced Long Range Artillery Projectiles (V-LAP) or even up to 70 km with VULCANO. To integrate AGM® with the NATO Joint Ballistic Memorandum of Understanding (JBMoU) compatible, fielded 155 mm L52 Artillery gun, BOXER makes use of its immense growth potential.

The Artillery Gun Module of the RCH155® is unmanned and provides automated navigation and fire control, fully automated gun laying, projectile and charge loading, including fuse setting. The system also delivers a unique range of 360° efficiency across all elevations and up to 6 modular charges without the necessity to use support legs during firing. This leads to the reduced crew of 2 (driver/operator, commander).

The symbiosis of its capabilities, paired with the powerful BOXER Drive Module, provides the user with a unique mobile Artillery System that is capable of firing whilst moving, as well as the more traditional “Shoot and Scoot”. RCH155® is the only Artillery System that provides this standalone feature of constant relocation during operation to maintain cover and avoid detection. The high precision and accuracy even during operation on the move prepares it for all relevant scenarios with a combat load of 30 fused rounds and 144 modular charges.

The survivability of the vehicle and its crew have been a key characteristic right from the beginning and therefore given highest priority.



Product data

Key figures

Maximum speed	> 100 km/h (road)
Engine capacity (ISO)	up to 600 kW (815 hp)
Engine type	MTU V8 199TE20/21
Range	> 700 km (road)
Electrical system	24 V DC, up to 540 A
Max. gross vehicle weight	< 39 t
Max. straight gradient	60 %
Max. slope gradient	30 %
Trench crossing	2.00 m
Step climbing ability	0.80 m
Turning radius	7.50 m (skid steering)
Length	10.50 m
Width	2.99 m
Height (hull roof)	3.60 m
Ground clearance	0.50 m

Characteristics

Crew	2 (driver/operator, commander)
Rate of fire	up to 9 rounds per minute
Main armament	Caliber 155 mm / L52 gun (JBMoU compatible)
Elevation	-2.5° up to +65° (-45 mils to +1,150 mils)

Azimuth	360° (+/- 200°) with up to 6 modular charges
Effective range	up to 40 km with HE-BB, up to 54 km with V-LAP, up to 70 km with VULCANO, prepared for future ammunition
Ammo magazin capacity	30 fused rounds, 144 modular charges
Inductive fuse setting during loading process	
Loading possible in all elevation and azimuth positions	
Firing on the move	
Rapid "Shoot and scoot" and "Multiple Round Simultaneous Impact" (MRSI)	
Engagement of moving targets	
Air conditioning and NBC-protection systems	
Fire extinguishing in engine compartment	

Exemplary Options

Remote Controlled Weapon Station,
Multi-Purpose Grenade Launcher (MPL)
Direct firing capability (360°)



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