

## Artillery Competence RCH 155®

The mission changes – so does BOXER



BOXER as Remote-Controlled Howitzer 155 mm (RCH 155®) combines the fire power 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.

RCH 155® 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 km<sup>2</sup>. An increased range of up to 54 km is possible with Very Long Range Artillery Projectiles (VLAP). To integrate AGM® with the NATO Joint Ballistic Memorandum of Understanding (JBMOU) compatible, fielded 155 mm L52 Artillery gun, BOXER makes use of its growth potential of up to 39 t.

The Artillery Gun Module of the RCH 155® is unmanned and provides automated navigation and fire control, features fully automated gun laying, projectile and charge loading. These capabilities deliver a unique 360° efficiency range across all elevations and up to six modular charges without the necessity to use support during firing. This leads to the reduced crew of 2 (driver/operator, commander). On the other hand RCH 155® is also able to perform quick “Shoot and Scoot” which provides a major advantage in terms of rapid relocation during operation.

RCH 155® adds outstanding tactical and strategic mobility for efficient actions. Its high precision and accuracy prepares RCH 155® 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 and therefore given highest priority.



# Artillery Competence

## RCH 155®

### Product data

#### Key figures

Maximum speed	> 100 km/h
Engine capacity (ISO)	up to 600 kW (816 hp)
Engine type	MTU V8 199TE20/21
Range	> 700 km
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	2.0 m
Step climbing ability	0.8 m
Turning radius	7.5 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	cal. 155 mm/L52 gun (JBMOU compatible)
Elevation	-2.5° up to + 65°
Azimuth	360° (+/- 200°) with up to 6 modular charges
Effective range	up to 40 km with BB, up to 54 km with VLAP
Ammo magazin capacity	30 fused rounds, 144 modular charges
Inductive fuse setting during loading process	
Loading possible in all elevation and azimuth positions	
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°)



## ARTEC

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