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TEBER-30/35 RCT Technical Specifications

Data subject to change without notice.

GENERAL

Turret Type	Remote Controlled Turret
Main Armament	30 mm/40 mm Mk44 or 35 mm/50 mm Bushmaster III
Number of Ready to Fire Rounds	30 mm - 200 35 mm - 100
Secondary Armament (Coaxial)	7.62 mm MG or 7.62 mm Bushmaster CG
Traverse	360° Continuous, Electrical
Elevation	-10° to +45°, Electrical Actuation
Max Rotation Speed	> 1 rad/s (Tra/El)
Stabilisation	Electric Drive with Two-Axis Stabilisation

WEIGHT & DIMENSIONS

Turret Weight	< 3,000 kg
Ring Gear Diameter	1,700 mm
Swing Radius	3,970 mm
Width	2.59 m
Height	0.93 m
Length	2.64 m

PROTECTION

All Around Ballistic Protection	STANAG 4569 (Level Classified)
Smoke Grenade Dischargers	Optional

SIGHT & FIRE CONTROL SYSTEM

Thermal Imager
Daylight Camera
Laser Range Finder
Independent Sight Unit
Automatic Target Tracking
Electronic Image Stabilisation
Moving Target Indication
Electronic Zoom
Manual Firing
Automatic Ballistic Computing
Low Ammunition Warning System
Deck-clearance Algorithms for No-Fire Zones and No-Motion Zones
Double Handle



TEBER-30/35 RCT

REMOTE CONTROLLED TURRET

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OVERVIEW

The TEBER-30/35 RCT is a remote controlled turret designed to be installed on wheeled and tracked armoured vehicles and equipped with a medium calibre automatic cannon, an advanced target detection and a fire control system. Unlike conventional turrets, remote controlled turrets do not have any basket structure and thus the extra available interior space provides a significant advantage to the user.

The TEBER-30/35 RCT incorporates the latest technologies in turret drives, fire control, protection, and lethality. It can operate day and night under all weather conditions and battle environments thanks to its integrated sensors and other electronic systems. Both the gunner and the commander are able to control all functions of the turret. The commander is authorized to take control of the turret overruling the gunner when needed.

The gun turret drive system is electrical, with two-axis stabilisation ensuring high accuracy even when firing on the move. The turret can rotate seamlessly on the 360°, the elevation arc being from -10° to +45°, angular speed being over 60°/second. The TEBER-30/35 RCT is equipped with the Mk44 30 mm/40 mm dual-feed automatic cannon with 200 ready-to-fire rounds and has a maximum cyclic rate of fire 200 rounds/minute. The TEBER-30/35 RCT can also be equipped with the 35 mm/50 mm Bushmaster III dual-feed automatic cannon if required by the user. Two different types of ammunition loaded in the double-compartment ammunition box ensure that targets of various types can be neutralised in the most effective way. Different types of ammunition can be used in the main armament such as high explosive, anti-tank or programmable airburst ammunition.

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The coaxial MG consists of an electrically operated 7.62 mm chain gun or a gas operated 7.62 mm machine gun. The major advantages of the electrically operated chain gun are that a misfired round can be extracted by the electrical drive and the gun can continue firing without any crew served action, and that the highly toxic propellant gas that occurs after firing is significantly reduced compared to conventional gas operated machine guns.

In order to have an effective target acquisition and identification capability on the battlefield, the turret is equipped with electro-optic sights that can rotate independently from the turret and have two-axis independent stabilisation for the commander and the gunner. The commander's panoramic sight can rotate 360° continuously on the traverse axis. Sight systems include a long- or mid-wave thermal imager, wide and narrow angle day sensors and a laser range finder.

The TEBER-30/35 RCT has an advanced fire control system. Automatic target tracking capability, supporting systems for the gunner, automatically calculated elevation, and lead angles for stationary and moving targets provide a high first-round hit probability combined with more effective ammunition utilization. The fire control system also has hunter-killer capability. Thus, the commander acquires the targets with his own independent panoramic sight and automatically sends the acquired target information to the gunner and while the gunner engages the target the commander keeps searching for other targets.

Thanks to the independent power source integrated in the turret and to the user-configurable smart power distribution system, the turret drive, gun firing and sighting systems can be used for a longer period powered by the turret battery, regardless of the vehicle battery status.

A bank of four 76 mm grenade launchers is mounted on both sides of the turret towards the front. These can be replaced by other calibre grenade launchers according to the to customers' requirements.

The TEBER-30/35 RCT provides multi-level ballistic protection thanks to its modular armour structure which can be increased according to user requirements.

