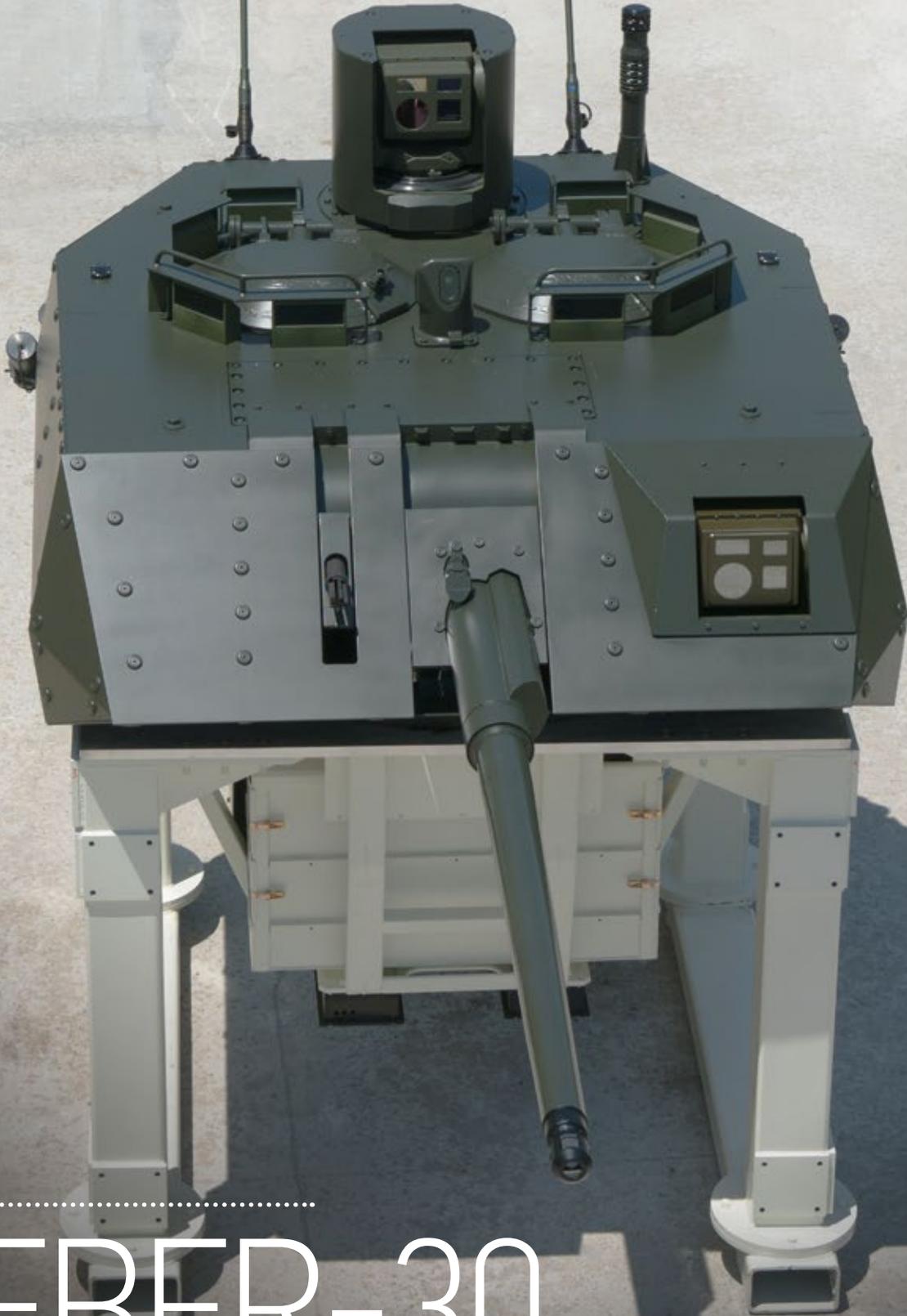


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# TEBER-30

MEDIUM CALIBER TWO-MAN TURRET FOR ARMORED COMBAT VEHICLES



## TEBER-30 MEDIUM CALIBER TWO-MAN TURRET FOR ARMORED COMBAT VEHICLES

### OVERVIEW

***TEBER-30 Two-Man Turret, a medium caliber turret that can be deployed on wheeled and tracked armored vehicles, is offered in two configurations. In the conventional two-man configuration, the commander and the gunner are positioned in the turret basket.***

It is generally considered that the two-man turret type is more advantageous when the commander is inside the vehicle during the operation. Although the height and weight of manned turrets are considered to be a disadvantage, two-man turrets provide a significant advantage to the vehicle commander when situational awareness, fire control efficiency and effective control of the battlefield are taken into account. Communication between the gunner and the commander is more effectively provided in two-man turrets, the commander can direct the gunner more accurately and more effectively.

TEBER-30 Two-Man Turret incorporates the latest technologies in turret drives, fire control, protection and lethality. It can work night and day 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. In addition, thanks to the manual backup system, the gunner can steer the turret on the traverse and elevation axis in emergency situations and fire the weapons.

The main armament consists of Mk44 30mm dual feed automatic cannon with 300 ready-to-fire rounds and has a maximum cyclic rate of fire of 200 rounds/minute. Two different types of ammunition loaded in the double-chambered ammunition box of the turret feed the gun and ensure the neutralization of various kinds of targets. Different types of ammunition can be used in the main armament, primarily high explosive, anti-armor or programmable airburst ammunition. In particular, programmable ammunition ensures that the detected targets can be effectively engaged. The 30mm automatic cannon and coaxial machine guns provide the crew with the ability to effectively engage a wide spectrum of targets.





***SuperShot 40mm (40x180mm) ammunition can also be used in the TEBER-30 Two-Man Turret. The 30mm canon can be easily converted by a simple replacement on the field to fire SuperShot 40mm ammunition.***

Secondary weapon equipment consists of Mk52 or 7.62mm machine guns and 1,000 ready to fire rounds. The major advantage of the 7.62mm electric drive chaingun are that misfire stoppages are eliminated by the electrical extraction of the unspent cartridge and the high reduction rate in highly toxic propellant gases.

A bank of four 76mm grenade launchers are mounted on both sides of the turret towards the front. These can be replaced by grenade launchers of other calibers according to customer requirements.

The gun turret drive system is electrical, with two-axis stabilization capability to ensure a high accuracy of fire on the move. The turret can rotate in traverse axis 360°, continuous with weapon elevation from -10° to +45°, with rates of more than 60°/second.

TEBER-30 Two-Man Turret has an advanced fire control capability with the help of its on board fire control computer and two axis stabilized independent sight system. The system can generate a kinematic lead solution to increase the first-round-hit probability for stationary/ moving targets, which also ensures more effective ammunition utilization. The dual axis stabilized sight system includes a long-wave or mid-

wave thermal imager, day camera with wide and narrow fields of view and a laser range finder. An automatic target tracking system is also fitted on the sight system.

TEBER-30 Two-Man Turret also has a two axis stabilized 3600 panoramic commander's sight with thermal imager, as well as a day camera and laser range finder on the top plate enabling hunter/killer capability.

Thanks to the independent power source integrated in the turret and user-configurable intelligent power distribution system, the turret drive, gun firing and sighting systems can be electronically used for a while longer in case of emergency, regardless of the vehicle battery.

***The TEBER-30 Two-Man Turret shell is made of all-welded aluminum armor with add-on composite and steel armor providing ballistic protection up to STANAG 4569 Level V standard.***

# TEBER-30

## MEDIUM CALIBER TWO-MAN TURRET FOR ARMORED COMBAT VEHICLES

### TEBER-30 TECHNICAL SPECIFICATIONS

Data subject to change without notice.

#### PRIMARY ARMAMENT

|                         |   |
|-------------------------|---|
| Type / Caliber          | 30/40mm Mk44 Automatic Cannon (Dual Feed)                       |
| 30mm/40 mm Ready Rounds | 300   |
| Rate of Fire            | 200 rds/min, Full Auto/3 Round Controlled Burst/<br>Single Shot |

#### SECONDARY ARMAMENT

|                |  |
|----------------|--|
| Type / Caliber | 7.62mm Mk52 Chaingun or 7.62mm Machine Gun |
| Ready Rounds   | 1,000                                      |

#### GUN/TURRET DRIVE SYSTEM

|                |  |
|----------------|--|
| Type           | Electric Drive with Two Axis Stabilisation |
| Traverse       | 360° Continuous with Manual Back-up        |
| Elevation      | +45° to -10°, with Manual Back-up          |
| Top Speed      | >60°/sec Traverse & Elevation              |
| Tracking Rate  | 0.3 mil/sec                                |
| Deck Clearance | Automatic & Programmable                   |

#### SIGHT SYSTEM

|                        |   |
|------------------------|---|
| Gunner's Sight         | 2 Axis Stabilised Independent<br>Mid Wave or Long Wave Thermal Image<br>Day Camera<br>Laser Range Finder with 10.000m Range |
| Commander's Sight      | 2 Axis Stabilised Independent<br>Mid Wave or Long Wave Thermal Image<br>Day Camera<br>Laser Range Finder with 10.000m Range |
| Auxiliary Sight System | Direct Optical Sight System Suitable for Gunner's and<br>Commander's Use  |

#### DIMENSIONS & WEIGHT

|                       |           |
|-----------------------|-----------|
| Turret Weight         | <3,850 kg |
| Ring Gear Diameter    | 1.6m      |
| Swing Radius w/Weapon | 3420mm    |
| Width                 | 2280mm    |
| Height                | 700mm     |

#### BALLISTIC PROTECTION

STANAG 4569

#### SMOKE SCREENING

|                   |                          |
|-------------------|--------------------------|
| Grenade Launchers | Standard, 8 x 76 or 80mm |
|-------------------|--------------------------|

#### FIRE CONTROL SYSTEM

|                           |  |
|---------------------------|--|
| Automatic Target Tracking | Standart   |
| Fire Control Computer     | Automatic Super-Elevation & Lead Angle Computation |