



155 mm /45 TOWED GUN

Towed artillery



155 mm / 45 cal. gun is a towed weapon for general fire support to its own units. The fire support is rendered by powerful, sudden and quick fire to targets of high importance at great ranges. The gun is intended for performance of the following missions:

- (a) Destruction and neutralization of live force (units) during march.
- (b) Destruction and neutralization of live force in collection areas.
- (c) Destruction and neutralization of live force in shelters and beyond them.
- (d) Destruction and neutralization of enemy's firing equipment.
- (e) Destruction and neutralization of air raid forces.
- (f) Destruction and neutralization of command posts, communication centres, storages, airports, rear bases and other targets in the enemy's depth.
- (g) Destruction and neutralization of artillery weapons, mortars and other combat and transportation facilities of enemy.
- (h) Neutralization of enemy's armored-combat and special-purpose vehicles.
- (j) Demolition of points of resistance, wired and other obstacles of field-type, and
- (k) Making of passages through the minefields and other obstacles.

Separate loading ammunition with variable propelling charge is used for firing from the weapon. The weapon and ammunition may be transported, stored and exercise the actions in the temperature range from 0°C up to + 45°C.

The main technical data:

Designation 155 mm/45 cal. TOWED GUN

Ballistic data:

Maximum range:

- HE M107 ≥ 17 km
- HE ERFB BB ≥ 36 km
- HE ERFB BT and Smoke (WP) M03 ≥ 28 km

Basic data:

- Caliber 155 mm
- Barrel length (without Breech) 7045 mm
- Number of grooves 48
- Number of lands 48
- Normal tolerated length of recoil up to 1320 mm
- Length of recoil when firing is interrupted 1350 mm
- Barrel Life Cycle 1.500 EFC's

Rounds

- Fire Mode:
 - In 1 minute 3 rounds
 - In 60 minutes 42 rounds

Weight:

- Weapon in combat position 7800 kg
- Weapon in traveling position 8428 kg
- Barrel ~1755 kg

Weapon dimensions in march position:

- Length ~11170 mm
- Width ~2400 mm
- Height ~2650 mm

Field of action:

- in elevation -2.5° to $+45^\circ$
- in azimuth 24°

