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## Msta-S

The 152mm Msta-S self-propelled howitzer with an automated laying and fire control system (ALFCS) is designed to engage (neutralize) enemy artillery and mortar batteries; tanks, anti-tank and other armored vehicles; manpower and fire means, control points, air defence, missile defence and electronic weaponry; destroy field fortifications and other defensive structures; deny the enemy's ability to maneuver its infantry and armored reserves.

Advantages of the self-propelled howitzer:

- the gun can be loaded at any angle of elevation and a traverse through 360 degrees;
- the capability to cross water obstacles up to 5 meters deep and up to 1,000 meters wide;
- original mechanisms feeding projectiles and charges from the ground provide high-rate firing without using the carried ammunition load;
- automatic laying and laying recovery after each shot;
- high survivability.

The automated laying and fire control system installed on the self-propelled howitzer, combined with artillery fire control vehicles, provides highly effective counter-battery fire. The use of the ALFCS reduces the emplacement time 1.5-2 times, shortens the time to open fire by 25-30%, and doubles the survivability of the self-propelled howitzer on the battlefield.

The self-propelled howitzer can deliver both indirect and direct fire only at the halt without the preliminary preparation of firing positions.

Main characteristics:

- Weight, t: 42,0 +2%
- Length (gun forward), m: 11,917
- Width (over tracks), m: 3,38
- Height (with machine gun), m: 3,35
- Barrel length, caliber: 47
- Max range of fire, km:
  - 3OF45 HE projectile: 24,7
  - 3OF61 HE projectile: 29,0
  - Krasnopol guided projectile: 20,0
- Loading: automatic projectile loading
- Carried ammunition load, rds: 50
- Rate of fire, rds/min: 7-8
- Laying angles, deg:
  - elevation: -4...+68



- traverse: 360
- Range, not less than, km: 500
- Max speed, km/h: 60
- Gun crew: 5 (7 when firing from the ground)



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