

# ZUZANA 2

155 mm 52 Cal. Self-propelled Gun Howitzer

- Far-distant range of fire,
- High accuracy of fire,
- High mobility,
- Capability to carry out multiple round simultaneous impact (MRSI) missions,
- Quick preparation for fire,
- Quick transition into and out of action,
- Protection of the crew against small arms, as well as mounted weapons and ammunition fragments,
- Protection of the crew against NBC weapons,
- Protection of the crew by automatic fire-extinguisher system





# ZUZANA 2



155 mm SpGH ZUZANA 2 is a self-propelled autonomous artillery system with automatic loading of ammunition which is capable to provide effective fire by both direct and indirect aiming.

- 155 mm SpGH Zuzana 2 is armed with a 52-caliber barrel that is designed in accordance with the Memorandum of Understanding concerning "Standardization of Elements of 155 mm Howitzers and Ammunitions".
- Electronic equipment, diagnostics and automation of operations during loading and firing rank this weapon among the most advanced weapon systems in the world.
- The weapon is equipped with the inertial navigation equipment and muzzle velocity radar.
- On-board FCS enables to operate with digital maps.
- For direct fire the weapon is equipped with aiming system with built-in TV camera, thermal image camera and laser range-finder.
- The weapon is equipped with additional optical sight for manual aiming.
- Various communication equipment can be installed in accordance with the customer's requirements.
- 155 mm ammunition compliant with the NATO standards is used for firing.
- The ammunition is stored in the conveyers that are capable to carry 40 projectiles and 40 powder charges ready to fire. Beds in the conveyers are universal for all the projectiles and powder charges used in the service. It is enabled storing new types of projectiles of the length up to 1000 mm in the projectile conveyor and load them by means of automatic loading mechanism.
- The system has been designed to meet the ballistic protection in accordance with STANAG 4569 Level 3 and mine protection STANAG 4569 Level 1.
- Crew compartments are air-conditioned.
- The power supply unit which provides electric and hydraulic energy for the drive of the turret aggregates and partially for the chassis aggregates without the need to run the chassis engine is placed between turrets in the rear.

## Specification

Main Armament	155mm Gun, 52 caliber
Traverse	360°, for fire ±60°
Elevation	-3.50° / +75°
Rate of fire	
· In automatic mode	5 rounds in the 1st minute 13 rounds in 3 minutes
· In manual mode	2 rounds per minute
Range of Fire, Maximum (at 45° elevation)	41. km when using ERFB-BB shells > 50 km with VLAP ammunition
Range of Fire, Minimum	5.0 km
Ammo carried on vehicle	40 pcs
Crew	4
Chassis, Special	8x8 with the engine in rear part
Combat Weight	33,800 kg
Length, Max.	14.2 m
Height, Max.	3.6 m
Width, Max.	3.11 m
Speed, Max.	90 km/h
Range of Action	650 km
Fording Depth, Max.	1.2 m
Climbing Ability, Max.	60% of longitudinal grade
Trench Cross Ability	2.1 m
Engine	TATRA T3D-928, 8 cylinders, in V arrangement, 12.67 dm <sup>3</sup>
Engine Power Output, Max.	325 kW at 1.800 rpm
Gearbox	TATRA 14 TS 210L-N