



ALEKSANDAR

Self-propelled artillery weapon, 155 mm



This cutting-edge artillery weapon of the Serbian defense industry is the most powerful, fully automated fire support artillery weapon in cal. 155 mm with a high level of autonomy.

The weapon was made through an integration of a 155 mm weapon module on an 8x8 chassis. The weapon module is controlled from the vehicle cabin and, owing to its characteristics, can be regarded as a 155 mm RCWS.

The weapon module is actually a 155 mm barrel assembly (autofretted), JBMOU-compliant and comprises a 23-liter chamber.

The most important component of the weapon module is a fully automatic loader with 12 projectiles and propellant charges, featuring the possibility of loading at all elevations and the rate of fire up to 6 rounds per minute.

Additional 12 rounds are accommodated on the platform for automatic re-loading, so the combat set comprises a total of 24 rounds without any crew engagement necessary.

Ballistic system:

- Barrel length
- Powder chamber volume
- Range with ERFB projectile
- Range with ERFB BB projectile
- Range with VLAP projectile
- Ammunition compatibility

STANDARD

52 caliber
23 liters
32.5 km
41.5 km
52 km
All types of 155 mm
ammunition

LONGER RANGE

52 caliber
25 liters
37.5 km
49 km
62 km
All types of 155 mm
ammunition

4 rounds at 25 km

Ammunition handling:

- Maximum rate of fire
- Loading
- Crew number
- Weapon ammunition set

6 rounds per minute

Fully automatic, with back-up manual mode

3

12 in the automatic loader
+ 12 on the vehicle

12 in the automatic loader
+ 12 on the vehicle

Fire data and navigation:

- Navigation, positioning and
- Orientation system
- Ready to fire in (from halting
to first round firing)
- Ready to retreat in

Inertial navigation system with a back-up satellite navigation system
(GPS, GLONASS, ...).

Fully automatic fire data setting with error < 1 mil

60 seconds

60 seconds

Field of action:

- In traverse
- In elevation

$\pm 30^\circ$

from -5° to 65°

