



# MILOSH

## Multirole armoured tactical vehicle 4x4 with RCWS 20/3 mm



The armoured multi-purpose combat vehicle, with 4x4 drive – Milosh belongs to the category of modern armoured vehicles intended for the performance of wide range of missions in the activities of police and armed forces. The main concept of the vehicle is based on a self-supporting hull, modern drive and transmission assemblies and an independent suspension system which ensures high mobility in any terrain and weather conditions with the maximum combat weight exceeding 14 tons.

The vehicle can be used for: patrol missions, reconnaissance missions, as a command vehicle, for transportation and support to the units for special operations, in anti-guerrilla, anti-terrorism and anti-tank operations, for the border and territory control, etc.

### **The vehicle is available in the following versions:**

- Command vehicle of the joint tactical unit
- Vehicle for the artillery joint tactical units
- Vehicle for anti-tank operations
- Artillery reconnaissance – command vehicle with the integrated artillery electronic direction finder and other optoelectronic systems for surveillance and fire control
- Ambulance vehicle, etc.

**The remotely controlled weapon station KEREBER** is armed with a three-barrel 20 mm gun which is primarily intended for destroying and disabling ground targets (weapon systems, mortars, machine guns, airborne troops after landing, off-road vehicles, transporters, fuel trucks, trains, light armoured wheeled and tracked vehicles, enemy troops etc.) and seaborne targets (mobile and stationary vessels) at the effective range of up to 2000 m, as well as airborne targets (slow low-flying aircraft, helicopters, drones, UAVs, cruise missiles etc.) at the range of up to 1500 m.

Three 20 mm guns, with the firing rate of 1950-2250 rounds/min, provide a massive fire power to the weapon system. They are controlled by motors with electromagnetic brakes and zero-backlash gear reducers which ensure high accuracy of the weapon.

This combat platform is suitable for mounting on combat vehicles (wheeled and tracked), vessels as well as stationary structures for the protection of the territory.

KERBER consists of a weapon station, control console with FCS, an electric power subsystem and spare parts, tools and accessories (SPTA).

The weapon station, with a very low silhouette, consists of a bottom gun carriage which is fixed to the roof plate of the vehicle, an upper carriage carrying elevating components (a cradle with guns and a sensor unit) and an armoured hull.

The hull is made of armoured steel (providing protection against 7.62 x 39 mm round and artillery ammunition fragmentation) and inside the hull there are motors and gear reducers, spare drums (3 pieces), SPTA box and a protective tarpaulin. At the rear side of the hull, there are four 82 mm smoke pot launchers intended for creating smoke and camouflaging the battlefield.

The control console with FCS is operated by a gunner and it is installed inside the vehicle. It consists of a control panel with a joystick and a ballistic computer. The control panel is fitted with push buttons for the selection of sensors (LRF, day and night channel), gun fire selector (the middle barrel, two lateral barrels, or all three barrels) and pushbuttons for operating 4 smoke pot launchers.

The ballistic computer is the brain of the system and it is equipped with the software used by the gunner to operate Kerber. On the screen itself, apart from the reticle, there are fields showing the target distance, status of the round in each drum, magnification, etc.

In addition to the control console and electric installation, there is also a control and start-up box. The sensor unit consists of a day channel, night channel and laser range finder.

### Day channel:

- Sensor type 1/2,8" CMOS
- Magnification 36x
- Angle of site 63,7° (wide) to 2,3° (tele)

### Laser range finder:

- Wave length: 1540 nm
- Measuring range: 80 - 10000 m
- Measurement error ± 5 m

### Night channel (thermal imaging camera):

- Sensor type 640 x 512 VOx Microbolometer
- Spectrum range 7,5 - 13,5 µm
- Field of view (H x V) 6,2° to 5°

## TECHNICAL CHARACTERISTICS OF THE VEHICLE:

- Maximum speed: 110 km/h
- Slope: 60 %
- Side slope: 30 %
- Vertical obstacle: 0.5 m
- Trenching: 0.8 m
- Fording: 0.9 m
- Turn radius: 8 m
- Length (without winch): 5.45 m
- Height: 2.30 m
- Width: 2.51 m
- Wheelbase 2.05 m
- Empty vehicle weight 12.8 t
- Maximum weight: 14 t
- Passenger space: 6.5 m<sup>3</sup>

## TECHNICAL CHARACTERISTICS OF THE RCWS 30/2 mm:

- Width x height x length 1650 x 800 x 4500 mm
- Weight of the weapon station (with loaded drums) ~ 1400 kg
- Start-up mode electric
- Field of fire in azimuth n x 360°
- Field of fire in elevation -5° to + 70°
- Gun type HISPANO M55
- Calibre 20 mm (20 x 110 mm)
- Feeding method drum
- Number of rounds per drum 60
- Combat set 3 drums on the gun, 3 in the turret, spare drums in the vehicle
- Muzzle velocity 850 m/s
- Rate of fire 1950-2250 rounds/min
- Firing options single and burst fire, from the middle barrel, two lateral barrels or all three barrels



Should you have any further enquires, please do not hesitate to contact us at [fdsp@eunet.rs](mailto:fdsp@eunet.rs)  
 All the data given in the brochure are for information purposes only. The final configuration and/or technical specification are defined for each contract individually.