

TECHNICAL DATA PAGE

12.7x99 mm

SNIPER RIFLE BARS .50

| | |
|--------------------------------|--|
| Manufacturer | Bularmas Ltd 7, Akad. Petar Dinekov St. 1415 Sofia, Bulgaria |
| Item Name / Description | SNIPER RIFLE BARS .50 |
| NATO Stock Number /NSN | 1005-50-001-7829 |

1. DESCRIPTION



WARRIOR 12.7x99MM (Cal .50) SNIPER RIFLES BARS .50 are the most technological and effective long range snipers in the world, incorporating the best technologies and practices, designed for precise aiming and to destroy various targets in different climatic conditions and terrains at long distances (up to 2000m)

The rifle provides maximum comfort shooting due to recoil reducing mechanisms,

including: Active-reactive muzzle brake and shock absorbing damper, which significantly reduce recoil energy.

2. ADVANTAGES OF 12.7x99MM WARRIOR SNIPER RIFLES

- Barrel blanks produced by the **most prestigious European manufacturer** are used. This in combination with the achieved lowest recoil energy guarantees the highest shooting accuracy at long distances.
- Modern attractive design combined with excellent ergonomics;
- Optimum mass of the rifle (14.6 kg), consistent with the calibers .50 BMG for which it is intended.
- Heavy match barrel, with 1/13" rifling pitch, allowing stabilization of high mass projectiles and BC (Ballistic Coefficient) on G1 close to 1.
- The thread of the muzzle of the barrel is standardized for this caliber group of 1"-14 weapons and allows the installation of other muzzle devices, such as suppressors, for example;
- Possibility of mounting almost all types of bipods on a Picatinny rail, although the weapon is



equipped with a specially designed bipod and rear leg (monopod). The bipod and rear leg have large ranges of length adjustment, can be folded and conform to the contour of the weapon in the marching position.



- The lodge is a tubular structure with an optimized length, preventing the appearance of fog from the heated barrel in front of the aiming instruments. In addition, it is angularly adjustable and allows precise horizontalization of the weapon when taking a shooting position.
- Innovative muzzle brake with a progressive increase of the angle of exhaust gas, increasing its efficiency by about 7% compared to its conventional counterparts.
- Shutter (breechblock) group with lever extraction and ejector reflection of the fired cartridge case, providing easy reloading of the weapon.
- Adjustable trigger.
- Indicator pin indicating whether the weapon is loaded
- Three safety devices against unwanted operation of the USM (shoot-trigger mechanism), two of which are automatic - in case of incomplete locking of the breechblock and in case of an accidental impact (fall, etc.) of a loaded weapon. The third safety is manual and blocks the USM of the loaded weapon at the shooter's request.
- Inclined with 40 MOA (minutes of angle), a long Picatinny rail for attaching optical sights and digital night sights, allowing a range of their correction up to 2000 m.
- Five-round magazine with indicator holes for the number of ammunition available in it;
- Original design of anti-recoil damper, with adjustment of the energy absorption curve, combined with a comfortable headrest, adjustable in height on both sides.

3. TECHNICAL DATA

| | |
|-------------------------|---|
| Caliber: | 12.7x99 mm |
| Weight: | 14.6 kg |
| Overall length: | 1640 mm |
| Barrel length: | 900 mm |
| Rifling: | 8 grooves |
| Muzzle velocity: | 850 m/s |
| Effective aiming range: | 2000 m |
| Maximal range: | 6000 m |
| Magazine capacity: | 5 rounds |
| Picatinny rail: | Available Mil standard for attaching of optical and other devices |

FUTURES

Muzzle brake for recoil reduction
 Bipod, which provide additional stability and comfort
 Butt, with withdrawable and height adjustable rear support for precise screw adjustment of the rifle
 Easy for disassembling, cleaning and maintenance
 Available picatinny rails for mounting of optical sight, bipods, handle or other accessories

4. SIGHTING DEVICES

Thanks to the low recoil, many variants of optical, night and thermal sights can be used. Bellow are shown some options

4.1 Day optical sight 6.25-25x56

Designed for long range shooting and Precision rifle series matches. It is ideal for long-distance shooting suitable for .50BMG caliber. IP67 waterproof and fogproof.



Technical specification

| | |
|-----------------------------|-----------------------|
| Reticle type: | F class |
| Reticle color: | Red/Green |
| Illumination: | Yes |
| Reticle brightness setting: | 0-5 |
| Magnification: | 6.25-25x |
| Objective lens diameter | 56mm |
| Eye relief: | 120-107mm/ 4.7-4.2 in |
| Field of View: | 6.6-1.46 m@100m |

| | |
|-----------------------------|---------------------------|
| Field of view: | 16.1-4 ft@100yd |
| Diopter adjustment: | -2.0 to + 2.00 |
| Tube diameter: | 34 mm |
| Parallax setting: | 20 - ∞ |
| Windage adjustment range: | 70 MOA |
| Elevation adjustment range: | 110 MOA |
| Adjustment value: | 1/4MOA per click |
| Battery type: | CR2032 |
| Battery life: | 30-2000 hours |
| IP standart: | IP 67 submergible to 1 m. |
| Lens coating: | Fully multicoated |
| Operating temperature: | -25°C to + 70°C |
| Length: | 357mm |
| Width: | 92.9mm |
| Height: | 79.9mm |
| Weight: | 0.970 kg |

4.2 Day optical sight 6-36x56

Built around the perfect balance of magnification and field of view, the sight delivers the resolution and contrast you need for long-range, tactical shooting. To get the absolute most out of the first focal plane reticle, the EBR-7D presents a clean sight picture while still providing ample wind holds and ranging information. Round it out with a rugged build and you have the long-range, tactical solution you've been waiting for.



Technical specification

| | |
|-----------------------------|---|
| Magnification: | 6-36x |
| Objective Lens diameter: | 56mm |
| Reticle: | EBR-7D (MOA) |
| Tube size: | 34mm |
| Adjustment value: | ¼ MOA per click |
| Parallax setting | 10yd to infinity |
| Windage adjustment range: | 52.5 MOA |
| Elevation adjustment range: | 120 MOA |
| Field of View: | 20.5 – 3.5 ft@100yds |
| Eye relief: | 3.5 inches |
| Length: | 15.3 inches |
| Weight: | 1.278 kg |
| Shockproof: | Rugged construction withstands recoil and impact. |

4.3 Military grade Day optical sight - 6-36x56 PM II High Performance



The sight offers the best solution for medium to extreme long-range shooting. It is designed and manufactured this 6x zoom riflescope according to MIL-STD-810G for handling the harshest environments. Outstanding image quality with a wide field-of-view (FOV) **provides superior detail recognition**

| | |
|----------------------------|-----------------|
| Magnification: | 6-36x |
| Objective diameter: | 56mm |
| Field of view / 100m: | 7.3-1.25° |
| Exit pupil diameter: | 8.3–1.6 mm |
| Eye relief distance: | 90 mm |
| Diopter adjustment: | -3 to +2 |
| Parallax setting: | 20 - ∞ |
| Length: | 390 mm |
| Main tube dia.: | 34mm |
| Temperature storage: | -55° C to +70°C |
| Temperature operation: | -46°C to + 61°C |
| Internal travel elevation: | min 41 MRAD |
| Internal travel windage: | min 21 MRAD |
| Battery type: | CR2032 |

4.4 Thermal vision Sight Thermion 2 LRF XL50



| | |
|--------------------|-------------------------------|
| Sensor: | 1024x768 @12 μm (NETD <35 mK) |
| Objective lens: | F50 / 1.0 |
| Magnification: | 1.75 – 14x |
| Field of View HxV: | 24.6x18.4 m@100m |
| Detection range: | 2300m |
| Type sensor: | Uncooled |
| Resolution: | 1024x768 pixels |
| Frame rate: | 50 Hz |
| Display type: | AMOLED |
| Laser rangefinder: | 800m measuring range |

| | |
|-----------------------------------|--|
| Reticle click value (mm at 100m): | 24-1.75x; 12-3.5x; 6-7x; 3-14x |
| Number of preloaded reticle: | 10 reticles |
| Warless protocol: | Wi-Fi |
| Degree of protection: | IP 67 Waterproof |
| Operating temperature range: | -25°C + 50°C |
| Battery type: | Dual Li-Ion B-Pack Mini Power System: 2 A·h Changeable Battery (external) / 4.9 A·h Battery (internal) |
| Capacity: | 2000 (external) + 4900 (internal) |