

TECHNICAL DATA PAGE

12.7x108 mm SNIPER RIFLE AM

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



1. DESCRIPTION: **WARRIOR**

12.7x108MM SNIPER RIFLES BARS AM are the most technological and effective anti-material snipers in the world, incorporating the best technologies and practices, designed for precise aiming and to destroying 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 demper, which significantly reduce recoil energy.

2. **ADVANTAGES OF 12.7x108 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 (14.7 kg), consistent with the calibers 12.7x108 and .50 BMG for which it is intended.
- Heavy match barrel, with 1/13" rifling pitch, allowing for 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 for 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 for 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:	12.7x108 mm
Weight:	14.7 kg
Overall length:	1640 mm
Barrel length:	900 mm
Rifling:	8 grooves
Muzzle velocity:	850 m/s
Effective range:	2200 m
Maximal range:	7000 m
Magazine capacity: 5 rounds	5 rounds
Picatinny rail: Available Mil standard for attaching of optical and other devices	

FEATURES

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)