

Product: Rocket Propelled Grenade Launcher RPG-7V2

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# RPG-7V2

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We are proud to introduce the latest generation of the Rocket Propelled Grenade Launchers **RPG-7V2**



*\*Optical Sight POG-7 & Bi-Pod Stand as seen in the above picture are optional extras.*

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# RPG-7

Powerful, Simple, Robust, The RPG-7 is undoubtedly the most famous anti-tank rocket launcher ever devised since its introduction in 1961. It remains in production with more than 9 million units produced to date. The RPG-7 continues to serve with over 40 countries.

RPG which stands for the Russian Ruchnoy Protivotankovyy Granatomyot or hand-held anti-tank grenade launcher (although it is more frequently called a "Rocket Propelled Grenade" or "RPG"), is a further development of the 1949 RPG-2, itself based on the World War II German Panzerfaust and US Bazooka. Its chief improvements over the RPG-2 are much-improved range and increased armour penetration.

## **Basic Characteristics:**

Weapon caliber:	40 mm
Warhead caliber:	40-105 mm
Warhead weight:	2 - 4.5 kg
Weight: (unloaded)	7.3 kg
Weight: (loaded)	9.9 - 13 kg
Length:	950 mm
Muzzle velocity:	115 - 300 m/s
Rate of fire:	up to 6 rpm
Sighting range:	500 m
Range of effective fire:	200 m (against tanks)
Range of effective fire:	up to 500 m (against buildings and stationary targets)
Armour penetration:	260 - 750 mm

# Operational Details.

The RPG-7 is reusable single-shot smoothbore steel tube with a diameter of 40 millimetres. This recoilless, shoulder-fired, muzzle-loaded launcher can shoot a wide variety of rockets. Optical & Night Vision Sights can be used to improve accuracy.

The middle of the barrel is covered by wooden shield to protect the operator from heat and the two handles are located close together in the centre of the weapon to provide stability.

Another advantage of this versatile weapon is that it can fire inside buildings due to its relatively small back-blast.

After 10 meters, the rocket's internal rocket motor ignites and four stabilisation fins fold out, giving the weapon a maximum muzzle velocity of 300 meters per second.

Normally, the RPG-7 is operated by a gunner and an assistant who holds extra rounds and defends the gunner from attack.

The RPG-7 has a maximum range of 920 meters at which point the rocket detonates.

During its 55-year service life, the RPG-7 has been used to knock out tanks, destroy armoured personnel carriers, buildings, fortifications, attack infantry, and shoot down low-flying helicopters. Furthermore the simple RPG-7 brought down more helicopters to date than most man-portable Air-Defense missile systems.

Oversized rockets are mounted on the very end of the launcher. Weapons of this style are sometimes called "spigot mortars".

## **Available Rockets:**

**PG-7V** baseline 85-mm High Explosive Anti-Tank (HEAT) rocket.

It penetrates around 260 mm of rolled homogenous armour;

**PG-7VM** improved 70-mm HEAT rocket.

It penetrates around 300 mm of armour.

This rocket flies faster than the baseline PG-7V and is more resistant to crosswinds,

Hence it delivers greater accuracy.

**PG-7VS** is a 73-mm HEAT rocket.

It is a further improved version of the PG-7VM with increased armour penetration.

Yet it preserves weight and dimensions. It penetrates up to 400 mm of armour.

**PG-7VL** is a larger 93-mm HEAT rocket.

It has effective range of up to 150 m against tanks and 300 m against stationary targets.

It penetrates up to 500 mm of armour;

**PG-7VR** is a 64/105-mm tandem HEAT rocket. It has effective range of 100 m against tanks and 200 m against stationary targets. It penetrates up to 600 mm of armour behind ERA and 750 mm without ERA;

**OG-7V**, a 40-mm HE-FRAG rocket with a large lethal radius;

**TBG-7V**, a 105-mm ThermoBaric rocket, which has a devastating explosive effect.

## **Detailed Technical Specifications:**

The steel tube used in the production of our offered RPG-7V2 is “Seamless Tube” and it is important that it is clearly understood, *this is not welded tube*. Seamless Tube Construction provides a far greater strength to the finished machined product and guarantees a much longer weapons life span.

Caliber:	40mm
Weight:	6.3kg Empty
Length:	950mm
Muzzle Velocity:	120 m/s
Rate of Fire:	6 (rounds/minute)
Effective Range:	500m
Maximum Firing Range:	≈920 m (1,000 yd) (self detonates)
Grenade Components:	Warhead, rocket motor, tail assembly



### **Packing Details:**

*Length: 1,200mm*

*Width: 440mm*

*Height: 331mm*

*Total Units Per Crate: 4*

*Total Weight: 60kg*

*Total Volume: 0.175m<sup>3</sup>*

*\*All Wooden Crates are produced on-site, so we can make larger sized crates in accordance with the individual clients request to maximise efficiency for transportation and logistics.*

### **For Example:**

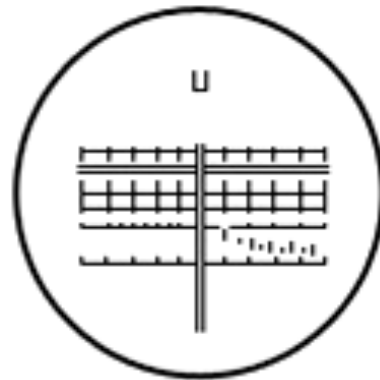
*Other size available to transport **9 Units Per Crate**.*

*Dimensions: 1,200mm x 440mm x 640mm Weight 105kg. 0.359m<sup>3</sup>*

## Optical Sight for grenade launcher PGO-7V3



**PGO-7V3 Sight**



**View of the reticle**

PGO-7V3 Optical Sight for grenade launcher is designed for aiming portable grenade launchers and for battle observation.

The reticle of the Sight allows to measure the distance to a standard target, consider the ballistics of different types of ammunition, and make side adjustments to the position of the aiming line.

For working in low light conditions a backlight of the reticle is provided.

Removable light filters improve visibility through the Sight in various weather conditions.

The sealed body of the Sight is filled with dry nitrogen which prevents weeping of the optical parts at temperature differences.

### Technical data of PGO-7V3 Sight

• Visible magnification , ratio	2,7
• Angular field of view, degrees	13
• Eye relief, mm	27
• Exit pupil diameter, mm	4,5
• Resolution, ang.sec.	28
• Operating temperature range, °C	-50 ...+50
• Overall dimensions, mm	160x180x62
• Weight, kg	0,6

The Sight can be supplied with a special adapter that allows to install night (NV/A-1) and thermal (TC/A-1) vision attachments, which provide all-weather day and night usage of the Sight.



PGO-7V3 Sight with installed adapter for attachments usage

## NIGHT VISION ATTACHMENT NV/A-1



### Technical description:

Provides monitoring of the background-target environment at low levels of background illumination.

Visible magnification – 1 x ( $\pm 0,1$ )

Image intensifier of the 3rd generation with automatic gain control

Overall dimensions - 155x53x86 mm

Weight (without power source) – 0,55 kg

Power source – battery of AA type – 1 pc.

