

TECHNICAL SPECIFICATIONS AND BASIC CHARACTERISTICS

9P151 „Metis“ Anti-tank Rocket System with 9M115 Guided Missile

Main Characteristics: The 9P151 „Metis“ anti-tank rocket system is a two-man portable, multi-shot anti-tank weapon mounted on a foldable tripod equipped with the firing optics and advanced FCS (Fire control system) with using the 9M115 anti-tank guided missile fired from a single-shot light-weight detachable container. Developed by the Tula KBP – Russia Union and introduced to the Russian army in 1979. The complete A-T rocket system is operated by a two-man team - the gunner carries the 9P151 launching post and one missile, the loader carries an additional three missiles. The missile is fired from the 9P151 launching post, which has a simple tripod for support. In the case of emergency it can also be fired from a shoulder. The launching post weighs 10.2 kg. The 9S816 guidance system is powered by a thermal battery attached to the launch tube shortly before launch - the missile itself is remotely powered along the guidance wires. The missile has a short minimum range of 40 m and can engage targets moving at up to 60 km/h within the max. range up to 1.000 m. This system is primarily designed to be used against previous generation of MBT without ERA, armoured wheeled and tracked vehicles, armoured personnel carriers, fortified enemy positions as well as in urban warfare. The 9M115 guided missile has a single HEAT shaped charge with effect on 460 mm thick homogeneous armor (RHA) at 0° angle.



9P151 „Metis“ A-T Rocket System Basic Tactical-Technical Characteristics	
A-T system type	Multi-round tripod-mounted Anti-tank Guided Rocket System
A-T system producer	KBP Tula Arms Plant – Russia (Former Soviet Union)
Projectile/Missile type	9M115 single HEAT anti-tank guided missile
Weight of weapon	10,2 kg (tripod without missile), 6,3 kg (missile with transport container)
Weapon length	740 mm (length of the missile container - ready to fire position)
Guidance system	Wire-guided SACLOS (Semi-automatic line-of-sight)
Weapon crew	2 - gunner (carry tripod and 1 missile) and loader (carry 3 missiles)
Armour penetration	460 mm RHA (at 0° angle)
Maximum velocity	223 m/s (highest speed at flight)
Max. effective range	40 m – 1.000 m (against mobile target up to 60 km/h)

Standard Weapon Equipment & Accessories:

- Anti-tank missile system mounted on foldable tripod
- 1 pc of Anti-tank HEAT guided projectile 9M115
- 1 pc of single-round detachable launcher tube
- 1 pc of 9S816 guidance system with optics and FCS
- 1 pc of cleaning-kit, tool-kit and spare parts Carrying bag
- 1 pc of small spare parts and basic tools maintenance kit
- 1 pc of standard cleaning-kit for mechanical and optical parts

