



Tactical Specifications (Misagh 1)

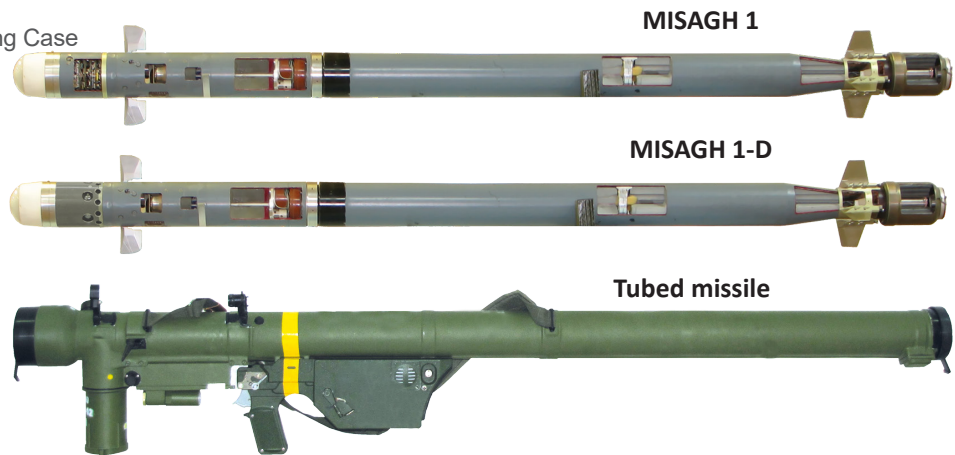
“Misagh1” missile is a second-generation low-altitude air-defense weapon system that is equipped with passive infrared tracking system. The weapon system is intended to destroy high-speed, low-altitude aerial targets and other ones that are approaching head-on and tail-on. It is also designed to destroy helicopters and low-speed aerial targets. The missile is a powerful system used for the direct protection of infantry forces, armored vehicles, paratroops and for supporting the forces. Moreover, the missile is used to protect significant sites, installations, roads, bridges, command posts and airfields. It is a shoulder-launched system that can be installed on a platform, too.

Tactical Specifications (Misagh 1-D)

“Misagh 1-D” is light-weight, man-portable, shoulder-launched missile with laser proximity fuse and powerful preformed fragmental warhead. This missile is a second-generation and short-range air-defense weapon system which features infrared passive homing with omnidirectional attack capability. This weapon system is powerful weaponry intended for direct protection of mechanized infantry forces, armored vehicles, paratroops, and for supporting the forces. It can also be utilized as an important means for the protection of sites, such as roads, bridges, airfields, ferries and command ports.

The weapon system elements

- 1. Ground battery/Coolant unit
- 2. Encased missile
- 3. Firing unit
- 4. Packing Case



TECHNICAL SPECIFICATIONS

Type	MISAGH 1	MISAGH 1-D
Min. & Max. Range (m)	500 - 5000	500 - 5000
Target Altitude (m)	30 - 3500	30 - 3500
Fuse Type	Contact	Contact & Proximity
Guidance	Proportional Navigation + TAG	Proportional navigation + TAG
Warhead Type	Fragmental	Fragmental
Missile Length (mm)	1477	1477
Max. Speed (m/s)	600	600
Missile diameter (mm)	71	71
Warhead Weight	1.42 kg	1.42 kg
Control System	Self-Spinning And Single Channel Control	Self-Spinning And Single Channel Control
Operating Temperature (°C)	-32 to +60	-32 to +60
Operational System Weight (kg)	16.6	16.6
Proximity Fuse Range	-No Fuse	All Fire 1.0 m / No Fire 3 m