

# S8-KOM ROCKET

*New variant of a 40 years proven solution*

The S8-KOM unguided aviation rocket is the improved version of the 1970s Soviet S-8, designed for military aircraft, still in widespread use today. This combat-proven solution comes in a new, modernised version that retains the main characteristics of the original rocket while unveiling several advanced attributes that make the S8-KOM applicable and effective in responding to today's battlefield challenges. Having earned a great reputation for innovation and modernization of well-known weapon systems, EDePro once again delivered a solution that solves a wide variety of aircraft missions.

## MAIN SPECIFICATIONS

- Ø Calibre: 80 mm
- Range: up to 4 km
- Total mass: 11 kg
- Length: 1540 mm



## Tactical Use

The S8-KOM is designed for destroying ground armoured targets (tanks, self-propelled guns, armoured vehicles, armoured personnel carriers), unarmoured ground targets (missiles, launchers, radar stations, aircraft and helicopters in parking places, etc.), the enemy forces and is used as armament on board the front-line aviation aircraft.

## The Warhead Type

The fragmentation warhead consists of a shaped explosive charge that provides better penetration and fragmentation capabilities and makes the solution efficient in neutralizing a variety of armoured and unprotected targets on the ground. Due to its characteristics, it is considered as high-explosive antitank (HEAT) shell.

## New Composite Solid Propellant Solution

The solution is advanced with cylindrical propellant grain compared to star geometry used in the original rocket. Furthermore, it contains two types of propellant grain that provide greater total impulse and burning rate.

## The Integration Capability

The S8-KOM is deployed on external pods carrying 7 to 20 rockets each and is compatible with wide range of fighter jets and helicopters.





## MAIN TACTICAL AND TECHNICAL PERFORMANCES

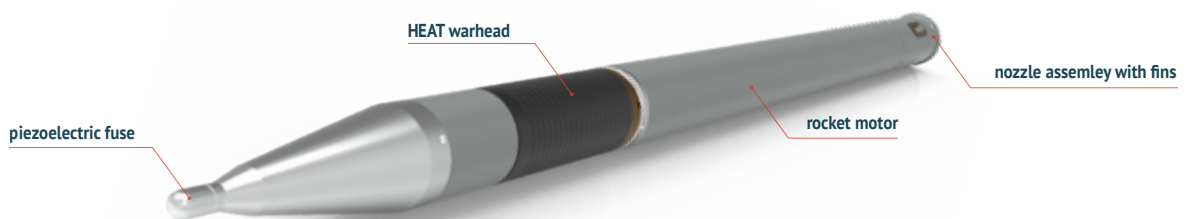
### Technical Specification

Calibre
Length
Temperature range
Total mass
Warhead's mass (fuse included)
Explosive's mass
Propellant's mass
Warhead's type
Warhead's length
Burning time
Motor's total impulse
Armor penetration
Precision*

Data	Unit
80	mm
1 540	mm
-65 ÷ +65	°C
11	kg
3.6	kg
1	/
3.3	kg
HEAT	kg
515	mm
0.9	s
5 850	Ns
min 400	mm
5	‰

\*allowed margin of error: 8 ‰

## ROCKET COMPONENTS



### BENEFITS

- » nozzle with graphite throat insert and ablative material;
- » shaped-charge and fragmentation warhead;
- » cylindrical geometry with two types of propellant grain;
- » thermoplastic composite propellant;
- » carried in the B series rocket pods, with 7 or 20 rockets.

