

ALWAYS
AHEAD



EDePro
Engine Development & Production

PAUK/SPIDER

An anti-tank ammunition of new generation

As the first of EDePro's new generation of anti-tank missiles, the Pauk/Spider offers improved capabilities. It is designed to be launched from land vehicles, and to operate both in NLoS and Fire-and-Forget scenarios. The missile is capable of reaching targets at a range up to 9 km. Due to its four deployable wings and four tail fins, it can fly autonomously via autopilot. But, it can also be controlled manually by operators from its associated command station.

Tactical Use

The missile can engage different target types, such as armoured and unarmoured vehicles, as well as field artillery systems.

The Warhead Type

Its tandem shaped charge warhead includes front and main charges, made to penetrate through explosive reactive armour (ERA).

The Guidance System

The tactical missile is guided by a nose-mounted imaging infrared seeker, which can be operated in fire, observe and update modes. It provides the missile with the man-in-the-loop mode, which improves target detection and reduces the possibility of collateral damage. The fibre-optic communication link enables a secure data exchange between the missile and its command station. Namely, the link sends real-time data, acquired by the missile, to the command station – and sends back commands to the missile.

Environmental & Operational Conditions

The missile subsystems fully comply with the MIL-STD-810F standards: 501.4 (High Temp), 502.4 (Low Temp), 503.4 (Temp Shock), 507.4 (Humidity), 513.5 (Acceleration), 514.5 (Vibrations).

MAIN SPECIFICATIONS

- Ø Calibre: 145 mm
- ◇ Range: 9 km
- ⚖ Takeoff mass: 43 kg
- ↔ Length: 1935 mm



The Homing Head

It contains an uncooled IR or TV camera, with a maximum target spotting range of 12 km and a maximum tracking and lock-on range of 7 km. The possibility of the target re-track as well as abort tracking at any time during the flight makes the Pauk/Spider a highly efficient anti-tank missile with pinpoint accuracy.

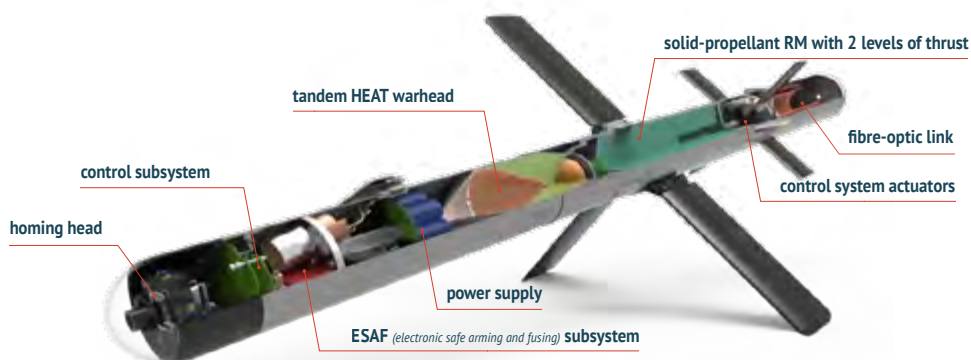




MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification	Data	Unit
Total length	1935	mm
Calibre	145	mm
Takeoff mass	43	kg
Maximum range	9	km
Minimum range	500	m
Maximum flight time	55	s
Direct fire capability – <i>Fire-and-Forget</i>	< 3	km
Indirect fire capability – NLoS	2–9	km
Readiness time	< 30	sec
Penetration	1000	mm
Hit probability – stationary target (exc. operator error)	90	%
Hit probability – moving target (exc. operator error)	90	%
Temperature range	-30 – +50	°C
Launch platform	ground vehicle	/
Lifespan	10	yrs

MISSILE COMPONENTS



BENEFITS

- » design that enables launching from a ground vehicle;
- » tandem shaped charge warhead with front and main charges;
- » midterm guidance – INS/GPS;
- » terminal guidance – IIR/TV homing head;
- » direct fire capability – *Fire-and-Forget* up to 3 km, NLoS 2-9 km;
- » communication with the CLU via radio link (IIR HH or TV image with bidirectional data flow).

