

EDePro

SAGR *A multirole missile for precision strikes*

SAGR (*Small Advanced Guided Rocket*) is a modern guided weapon for destroying stationary and moving enemy targets with a greater flexibility at long ranges, while reducing the risk of collateral damage. This high-performance solution presents a new level of quality, performance, reliability and accuracy, helping our customers face today's threats.

Tactical Use

Due to its leading-edge technology, SAGR can be used for precision strikes on lightly-armoured targets, such as medium armoured vehicles, patrol boats, command posts and artillery positions. It can also provide close air support with reduced collateral damage.

The Laser-Guided Missile

Its completely autonomous guidance via reflected laser energy enables target capture before launch, or before detecting it mid-flight. Its seeker's detection range can be up to 10 km. As for its navigation system, it is based on the INS and GPS, as well as GCS's preset trajectory points and impact point prediction (IPP), which provide a high accuracy and responsiveness to moving and stationary targets.

High Scalability

SAGR's modular design enables a high scalability of the launcher platform and warhead integration – along with a quick and easy integration with rotary-wing and fixed-wing aircraft. While the integration with launch platforms (for the LoAL system) requires no hardware modification to the launch platform itself, LoBL needs only slight modification.



The Guidance System

The terminal guidance, based on the seeker's signal, starts with the SAGR firing table setting the GS-BIT laser code with the launcher's parameters. The operator then fires the missile directed towards the target's location.



CONTACT

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MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical Specification	Data	Unit
Total length	2450	mm
Calibre	128	mm
Wingspan	266	mm
Takeoff mass	62	kg
Rocket motor type	solid propellant RM	/
Speed	200-650	m/s
Maximum release altitude	7620	m
Maximum effective range (ground-launched)	12.7	km
Maximum effective range (air-launched)	29	km
Minimum effective range (ground-launched)	3	km
Minimum effective range (air-launched)	1.5	km
Maximum manoeuvrability	8	g
Midcourse guidance	AINS (INS + GPS)	/
Terminal guidance	semi-active laser seeker	/
Laser beam aiming distance	≤ 4	km

MISSILE COMPONENTS



BENEFITS

- >> enabled communication with the GCS during mission setup;
- >> aided INS (AINS) based on INS or GPS (depending on availability);
- midterm guidance based on preset trajectory points from the GCS and impact point prediction (IPP);
- >>> terminal guidance based on the seeker's signal;
- **>>** mission abort: automatic, based on predefined criteria.



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