



# SAGR

*A multirole, precision strike, guided rocket*

Small Advanced Guided Rocket (SAGR) is a modern guided weapon for neutralizing stationary and moving enemy targets with greater flexibility at very long range while reducing the collateral damage risk. This high-performance solution is setting a new level of quality, performance, reliability, and accuracy to keep our customers ahead of tomorrow's threats.

## Tactical Use

Integrated high-end technology enables SAGR usage as a precision strike on light armour point targets including medium-armed moving vehicles, small and patrol boats, command posts, artillery firing positions, close aerial fire support, and reduction of collateral damage.

## The Laser Guided Rocket

Completely autonomous guidance on reflected laser energy provides the possibility of capturing the target before launching or detecting it while on the trajectory. Seeker detection range goes up to 10km. A navigation system based on inertial navigation (INS) and GPS, and pre-set trajectory points from GCS & Impact Point Prediction guidance enable high accuracy and responsiveness to move and stationary targets.

## High Scalability

Modular design provides high scalability of the launcher platform and warhead integration. The system allows quick and seamless integration on rotary-wing and fixed-wing aircraft, whereas easy integration on different launcher platforms doesn't require any hardware modification to the launch platform for LOAL, and minimum modification in LOBL mode.

## MAIN SPECIFICATIONS

- Ø Calibre: 128 mm
- Range: (aer) 25 km; (gnd) 12 km
- Takeoff mass: 62 kg
- Length: 2450 mm



## The Guidance System

The terminal guidance based on seeker signal starts with SAFR fire-table setting the GS-BIT laser code with launcher's parameter. The operator fires a SAGR missile directed towards the specified target geolocation.



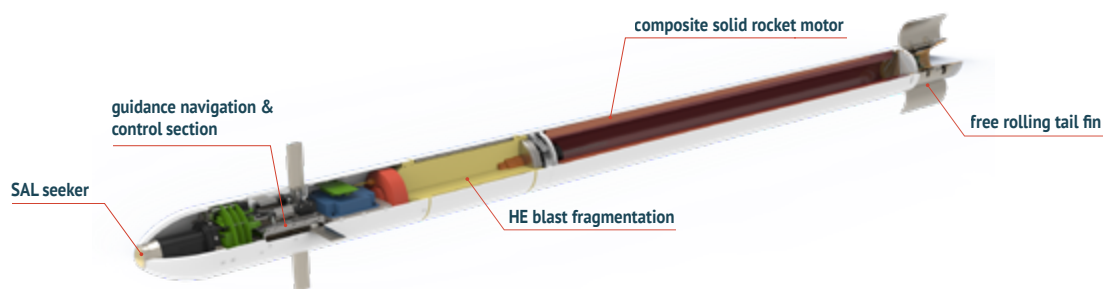


## MAIN TACTICAL AND TECHNICAL PERFORMANCES

### Technical Specification

	Data	Unit
Total body length	2450	mm
Calibre	128	mm
Wingspan	266	mm
Takeoff mass	62	kg
Rocket motor	a solid propellant RM	/
Missile speed	200-650	m/s
Maximum release altitude above sea level	7620	m
Maximum effective range – takeoff from ground	12.7	km
Maximum effective range – aerial launching	29	km
Minimum effective range – takeoff from ground	3	km
Minimum effective range – aerial launching	1.5	km
Maximum maneuverability	8	g
Mid-course guidance	AINS (INS + GPS)	/
Terminal guidance	semi-active laser seeker	/
Laser beam aiming distance	<= 4	km

## MISSILE COMPONENTS



### BENEFITS

- » Communication with GCS during mission setup.
- » Aided INS (AINS) navigation based on INS, GPS (based on availability).
- » Mid-term guidance – trajectory guidance based on pre-set trajectory points from GCS & impact point prediction guidance.
- » Terminal guidance based on seeker signal.
- » Abort mission function – automatic (based on predefined criteria).

