

**SMART
AND TO THE
POINT.**

**COMBAT
PROVEN**

ROCKS™

Air Launched Ballistic Missile

Long-Range, High-Precision Engagement

Maintaining a decisive edge in today's battlespaces requires precise targeting of both surface and underground targets, as well as minimizing risks to the strike aircraft.

ROCKS is a combat proven, extended standoff range missile, designed to strike high-value stationary and relocatable targets above ground - or heavily fortified underground targets - with pinpoint accuracy in GPS-denied arenas.

The missile can be equipped with a variety of warheads: 500/250/125 kg class Blast Fragmentation or Penetration warhead.

The missile can be launched from ground launchers or vessels, with or without an added booster maintaining the same capabilities.

Benefits

- Fully operational in GPS-denied battlespaces
- Engages stationary and relocatable targets
- Strikes targets above and below ground
- Pinpoint accuracy - based on scene matching technology
- Day, night, all-weather operation
- Simple mission planning
- Combat-proven technologies





Cutting-Edge, Combat-Proven Technologies

Operating autonomously, and launched at an extended standoff range well outside the areas of heavily-defended surface-to-air threats, ROCKS incorporates RAFAEL's advanced technologies inherited from the legacy Popeye and SPICE air-to-surface weapons.

The pilot or ground/naval operator allocates a mission for the missile before its launch, including target type, coordinates, impact angle and azimuth, topographic imagery data, and fuse delays.

ROCKS uses its INS/GPS for the midcourse navigation trajectory. Homing, up to target impact, is performed by using scene matching or Anti-Radiation technology – enabling high precision hits.

An advanced EO seeker enables day, night and all-weather operation using Automatic Target Acquisition - and a unique scene matching algorithm which overcomes any GPS jamming scenario as well as navigation and Target Location Errors.

An Anti-Radiation homing seeker can be incorporated, as well as long-range communication for BDI.

The missile's extended standoff range and variable high-velocity trajectories minimize attrition of both the launching aircraft and the missile, ensuring mission success.



Main Capabilities

- Autonomous operation
- Extended standoff range
- Selectable horizontal and vertical trajectories
- Anti-Radiation homing for Time Critical Targets
- GPS homing for Targets of Opportunity
- Insensitive to communication and GPS jamming
- Overcomes Target Location Error



Technical Specifications

Standoff Range	250 km for 500 kg WH
CEP	3 m
Warhead	Deep Penetration (3 m / 500 kg WH) or Blast Fragmentation
Fuse	Preset & Cockpit-Selectable
Navigation	INS/GPS



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UNC.64143/0625/32/ENG/ Studio | MSS