



NAVAL SPIKE™ ER

Maritime version of the renowned SPIKE™ missile

Surgical Precision & Maximum Effectiveness in a Compact System

RAFAEL enables today's navies to effectively meet evolving maritime challenges with its NAVAL SPIKE™ ER missile – a member of RAFAEL's multi-generational SPIKE™ family of advanced, Electro-Optical (E-O)-guided missiles.

This sophisticated, combat-proven E-O-guided missile system comprises a lightweight, compact and stabilized turret with four missiles on the mount, together with a fire control system for effective ranges of up to 10 km.

The system enables very fast sensor-to-shooter loop closure in day/night defensive and offensive scenarios, thereby ensuring mission success with surgical precision.

Benefits

- Operationally-deployed and combat-proven
- High-precision, high-impact
- Small deck footprint and low silhouette
- Missile in-flight abort capability
- High reliability with low Life Cycle Cost (LCC)



Advanced Technologies for Operational Versatility and Pinpoint Accuracy

The Naval SPIKE™ ER's operational flexibility is reflected in the ability to address challenging naval scenarios under adverse environmental conditions.

Even after missile launch, the gunner can toggle between targets and actively direct the missile to an optimized hit point. While in flight, the missile provides valuable intelligence and Battle Damage Assessment (BDA), for the follow-on attack of additional targets.

The system's high-precision engagement capability ensures minimum collateral damage. In case of friendly force presence, the operator can abort the mission with the missile in-flight.

The system can be integrated with the ship's existing assets to address targets that have been acquired by other sensors. Furthermore, the missile mount is compatible with a variety of platforms, ranging from Rigid Hull Inflated Boats (RHIBs) to medium-size and larger vessels.

The Naval SPIKE™ ER missile can be provided with either High Explosive Anti-Tank (HEAT) or Penetration Blast Fragmentation (PBF) warheads.



Main Capabilities

- Fast handover between target acquisition and missile engagement
- Day/night operation capabilities
- Advanced image processing for superior track
- High-sequential launch capability
- Personnel training using advanced indoor firing simulation

Technical Specifications

Effective Range	Up to 10 km
Weight - Missile in Canister	34 kg
Weight - Mount & Missiles	~ 650 kg
Modes of Operation	<ul style="list-style-type: none"> • Fire & Forget • Fire, Observe & Update • Fire & Steer
Warheads	HEAT, PBF



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NAVAL SPIKE™ ER is a Trademark of RAFAEL Advanced Defense Systems Ltd.
 UNC. T30NewV1-ENG0919 /Graphic Design Dep/042