

Scutter™

Reactive Expendable Acoustic Torpedo Decoy



Defeat threats to your submarines from acoustic homing torpedoes

Benefits

- 360° protection of submarine
- No pre-launch tests or settings necessary
- Designed to respond simultaneously to multiple torpedoes of various types
- Error-proof launching, carried out by standard signal ejectors or external launchers
- No need for on-board equipment maintenance facilities
- Cost-effective

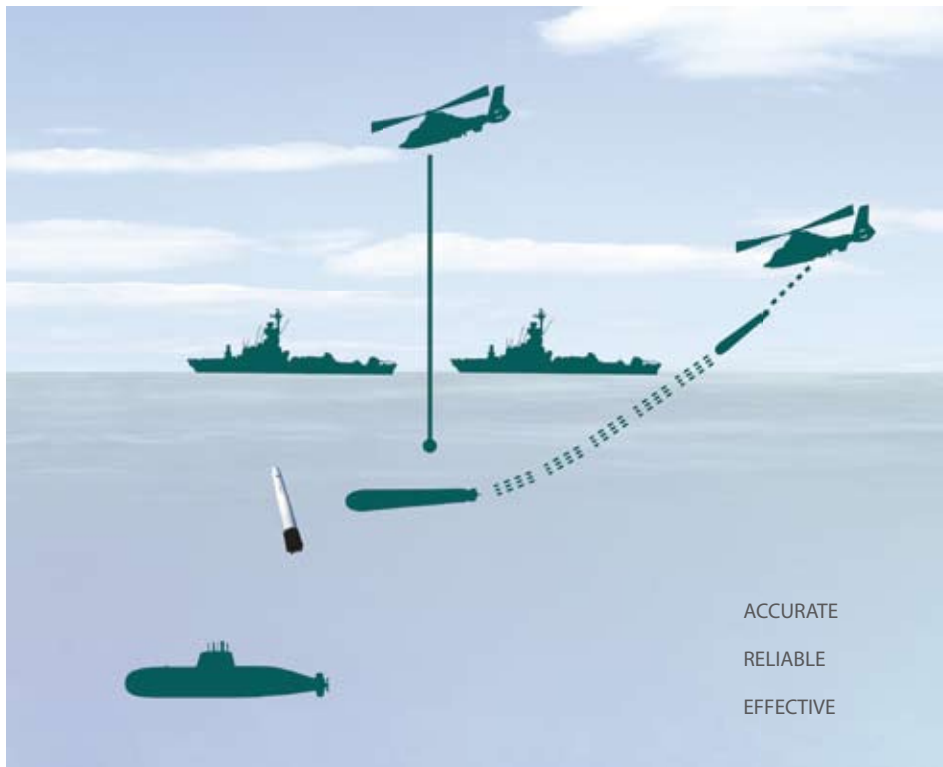
Accurate, Effective Protection Against Torpedoes

Exposed to the threat of enemy attack in deep and littoral waters, submarines are a likely target for acoustic homing torpedoes fired from ASW helicopters, ships, or other submarines. Defending against these threats requires quick response, automated decoys.

Rafael has developed a self-propelled, third generation reactive, expendable torpedo decoy, capable of protecting a submarine from passive and active acoustic homing torpedoes. Scutter has a threat library, based on intelligence programmed by the user, which is used to select the appropriate response. Designed to respond simultaneously to multiple torpedoes of various types - active, passive, and pactive - Scutter is launched immediately following a torpedo alert, moving automatically

to operating depth. It identifies the torpedo, then generates and transmits customized deception signals. The torpedo attacks and re-attacks the Scutter decoy until the torpedo's end of run. Scutter self-destructs at the end of its mission.

An effective defense for surface ships in addition to submarines, Scutter is operational in several world-class navies.



Technical Specifications

Diameter	101mm
Length	1020mm
Weight	7.8kg
Frequency range	17-85kHz
Source level	>180dB re μPa @ 1m
Receive sensitivity	130dB re/ μPa
Operating life	10 minutes
Operating parameters	programmable
Complies with MIL-STD environment parameters	

Exercise Scutter, Retrievable and Reusable

Exercise Scutter is the ultimate tool for validating performance at sea. An enhanced, yet cost-effective version of Scutter, Exercise Scutter evaluates torpedo defense doctrines in sea trials against real and simulated threats. It develops and tests customized responses and is a useful, low-cost training device.

Exercise Scutter Benefits

- Rechargeable battery reduces operating costs
- Reusable; self-destruct mechanism eliminated
- Internal locating pinger activated for easy location and recovery at sea
- Digital recording system records received outputs, modes of operation, logic, and control signals
- Data evaluation and diagnostics can be performed off-line



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