

BLACK SCORPION

MINI TORPEDO DESIGNED TO SUPPORT THE CONTACT CLASSIFICATION PROCESS



In a complex international scenario in which the ASW is rapidly moving from deep blue waters to littoral and coastal areas warm shallow waters, the operational ambient conditions for sensors and weapons is turning out to be very critical for them to perform efficiently: warm shallow waters multiply “false targets” and create “false alarms” as the noise propagates through the water, interacting with seabed, sea surface, submerged objects.

Hence: the FAR (False Alarm Rate) increases tremendously.

In addition, the increasing number of conventional mini submarines (midgets) in the modern warfare scenario has widened the range of threats which the military navies must be able to detect.

All this has called for modern reliable weapons designed to raise the level of confidence of the sonar contact with a low-cost flexible and efficient process and, hopefully, avoiding launching expensive weapons.

WASS has accomplished synergy with the technology developed in the field of MTE countermeasures System, has upgraded some weapon sections in electronic, sensors and energy fields and has created a very small (5”) torpedo: BLACK SCORPION.

MAIN FEATURES

- capacity of operating in shallow waters (ASW) at sea depths ranging from 30 to 200 metres, being launched in AIR mode
- highly resistant structure
- enough payload capacity to counteract conventional submarines/midgets and abort missions
- capacity of resetting search depth and exploder activation mode during the launch phase
- capacity of setting sea surface searches cut out for collision against the quick-works of small/medium tonnage watercrafts
- max speed higher than 15 knots
- exercise version available.

Black Scorpion can be launched from aircrafts, surface units and submarines, through buoys dispenser and launchers. Given the increasing use of mini-submarines around the world, It can be employed in anti-terrorist asymmetric war.



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