

OTO
HITROLE® 20MM



HIGHLY INTEGRATED TURRET, REMOTE, OVERHEAD, LIGHT, ELECTRICAL (HITROLE) 20MM

The OTO HITROLE® - 20mm is a modern, fully stabilised, electrically operated and remotely controlled naval weapon system. Fitted with a multi barrel cannon, it represents an effective short-range self defence system for small boats as well as the secondary armament for any class of ship.

The high rate of fire and the 20mm calibre make the particularly well suited for Coast Guard patrolling operations, anti-smuggling operations and for countering asymmetric threats. The high capacity of the ammunition storage (750 rounds 20mm), provides the necessary operative flexibility and autonomy for close-in protection against sea and air based threats.

OTO HITROLE® - 20mm is fitted, as standard configuration, with the renowned three barrel 20mm x 102mm Gatling gun, characterized by high reliability and rate of fire. Optionally, the system can be fitted with a single barrel 12.7mm machine gun, 12.7mm multi-barrel Gatling gun, 40mm AGL, or, as growth potential, six barrel 20mm x 102mm Gatling gun and 30mm LF chain gun.

OTO HITROLE® - 20mm can be easily operated by a single operator through a Remote Control Console and joystick or can be controlled by the ship's Combat Management System (CMS).

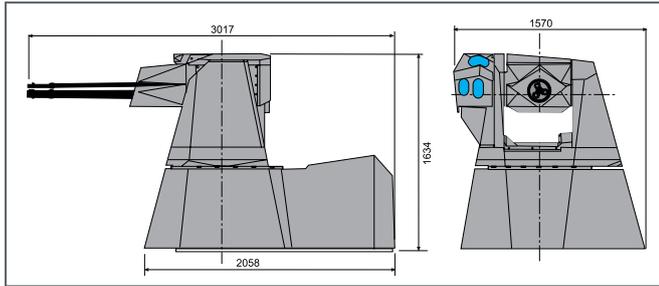
Installation on board is very simple and does not require deck penetration. The high performances of OTO HITROLE® - 20mm digital servos, the combination of the optical sight, the ballistic computer with very high speed computation, the outstanding elevation angle (-30° to 75°) and the possibility to be equipped with different cannons, grant to the user a multi-role capabilities with the chance to engage efficiently and effectively in short time with significantly high payloads on targets.

The low RCS shield designed for demanding RCS requirements, protects the system and enhance its endurance under harsh environment.

OTO HITROLE® 20MM

MAIN CHARACTERISTICS

Weapon	20mm x 102 mm 3 barrel Gatling gun
Mass	600Kg
Rate of fire	750 rds/min
Training Arc	±155°
Elevation Arc	+75° to -30°
Training Speed/Acceleration Max	75°/S 250°/S ²
Elevation Speed/Acceleration Max	110°/S 250°/S ²
Ready to fire Rounds	750



MAIN SYSTEM CAPABILITIES

- High Modularity, different cannons can be fitted 20mm x 102mm three barrel Gatling as standard configuration. If required various 12.7mm machine guns or 40mm AGL can be installed
- Growth potential
 - 20mm x 102mm six barrel Gatling
 - Low Weight 30mm Chain Gun
- High rate of fire
 - 750RPM in the standard configuration with 20mm three barrels Gatling
- High servo performances
- Low weight
 - Capability to equip very small and fast boat or being used as a secondary armament on upper class boats
- High Sensor Suite performance - Day Camera, cooled IR, Laser Range Finder
- Own stabilization system - Stabilized on two axis
- Operational mode
 - Stand-alone mode
 - Stand-alone mode with capability to receive designation from external source, fully integrated with CMS
- Low RCS - stealth design
- Easy on board installation - the system does not require severe deck penetration.

