MARLIN 30



The MARLIN 30 is a small caliber naval gun system characterized by a modular architecture to fit the specific needs of the user.

Light weight and compact dimensions make MARLIN 30 suitable for small and medium patrol vessels, as primary armament, and for larger ships, as secondary armament.

The MARLIN 30 is equipped with the 30 mm x 173 ATK MK44 gun, fed by an automatic system able to manage two different types of rounds selectable basing on the specific threat.

All types of 30 mm linked ammunitions, prescribed by the cannon's manufacturer (according to STANAG 4624 Edition 1), can be used, such as:

- > High-Explosive: MP-T/SD, MPLD-T, HEI-T, SAPHEI-T;
- > Armor-Piercing: MPDS, APFSDS-T, FAPIDS-T, API;
- Target Practice: TP, TP-T, TPDS-T;
- > Air Burst Munition (ABM).

The MARLIN 30 is endowed with powerful servosystems, stabilized in both azimuth and elevation, and a stealth shield to minimize the RCS and allow the operation in the most severe environments.

Three different configurations can be provided:

RC - "Remotely Controlled"

It is fully managed by an external Firing Control System by receiving the stabilized firing coordinates.

COAX - "Coaxial Electro-Optical Sensor Suite"

it can operate in autonomous mode, through its own Local Control Console, by computing the stabilized firing coordinates via ballistic and target trajectory calculations based on target data, received by its coaxial Electro-Optical Director or an external Firing Control System, and Own Ship Data.

This configuration could be also fully controlled by the Combat Management System, with target acquisition, target engagement and firing that are performed by the CMS itself.

ILOS - "Independent Line Of Sight"

It can operate in autonomous mode, through its own Local Control Console, by computing the stabilized firing coordinates via ballistic and target trajectory calculations based on target data, received by its independent Electro-Optical Director or an external Firing Control System, and Own Ship Data. The Electro-Optical Director can rotate independently from the Line Of Fire for a panoramic surveillance through a highly accurate sensors suite (with an automatic tracking functionality) constituted of a daylight camera, an IR camera and a LASER Range Finder. Such a feature grants the continuous aiming of the target at any distance and cross speed. This configuration could be also fully controlled by the CMS, with target acquisition, target engagement and firing that are performed by the CMS itself.



KEY FEATURES

- > Effective against any surface threats, helicopters and drones;
- outstanding accuracy and precision;
- > automatic Dual Feeding System;
- stealth design;
- video tracking capability (for COAX and ILOS configurations);
- high reliability and ease of maintenance;
- no deck penetration.

TECHNICAL DESCRIPTION

>	Caliber	30 x 173 NATO
>	Rate of fire	single shot, 100 RPM, 200 RPM
>	Ready to fire rounds	Up to 160
>	Maximum effective range	3500 m
>	Training range	±155°
>	Training speed and acceleration	140°/s, 225°/s2
>	Elevation range	-19°÷70°
>	Elev. speed and acceleration	80°/s, 225°/s2
>	Mass without ammunition	1200 to 1430 Kg depending on the configuration
>	Day Camera (')	20 / 9 / 4.5 Km D / R / I
>	IR Camera (')	15 / 6.8 / 3.5 Km D / R / I
>	LRF (¹)	6.5 Km

(¹): Typical performances achieved with respect to a NATO standard target for ILOS configuration.

Electronics Division Via Valdilocchi 15 19136 La Spezia - Italy T +39 0187 5811

F +39 0586 854060



Independent Line Of Sight



Coaxial Electro-Optical Sensor Suite



Remotely Controlled



Local Control Panel

This publication is issued to provide outline information only and is supplied without liability for errors or omissions. No part of it may be reproduced or used unless authorised in writing. We reserve the right to modify or revise all or part of this document without notice.

2020 © Leonardo S.p.A.

DS_MM08728.6-20



For more information: infomarketing@leonardocompany.com



leonardocompany.com