



OTO Melara

A Finmeccanica Company

Land Systems

Turrets

Multirole Turret



DRACO

The DRACO is a multipurpose weapon station operating against Air, R.A.M. and Surface targets, with high performance in both direct and indirect fire.

The main armament consists of a high rate of fire 76/62mm gun with an automatic ammunition loading system; the 76/62mm gun is electrically controlled for elevation and traversing, and is stabilized in elevation.

DRACO can be installed on 8x8 wheeled platforms, for combat support operations or convoy defence, as well as on tracked vehicles or on shelters for point defence.

The main 76/62mm gun and the automatic loading system are fully compatible with all in service 76mm rounds and also with 76mm DART guided ammunition.

The ammunition loading system is based on a drum with 12 ready-to-fire rounds.

These 12 rounds can be of different types and their selection can be performed during firing. The drum can be reloaded automatically from a magazine in the back of the turret.

DRACO turret is fitted for receiving a secondary armament composed of a 7.62mm or 12.7mm machine gun coaxially mounted.

The Day/Night Electro-Optical Sight System, equipped with laser range finder (LRF), is installed on DRACO in 2 different versions:

- For mobile applications, a compact stabilized sight allows on the move engagements.
- For point defence applications, a long distance sight, for detection and identification, with high rate laser to follow small and fast targets.

The Radar System has the double function of tracking targets and guiding DART guided ammunitions.

DART is maneuvered by means of an RF guiding beam able to ensure higher level hit probability even against high maneuvering targets.

DRACO can be completely controlled by two Operators (the Commander and the Gunner) from a remote position, located inside the hull for mobile installation or inside a protected command shelter for fixed installation. The Commander operates for detection, identification and designation of the target. The Gunner has the role of engaging the target and controlling firing action.

The basic Ballistic Protection of the system is level II according to STANAG 4569 and can be upgraded to meet the customer's requirements.



DRACO

Armament

Main Weapon

76mm/62

Secondary weapon

7.62 or 12.7mm coaxial

Ammunition loading system

Type

Automatic drum feeder with ammunition selection capability;

automatic magazine in turret for drum re-loading

N° of ready-to-fire rounds

12

N° of in magazine stowed rounds

>24

Ammunition type

All standard 76mm ammunition;

Guided DART ammunition;

C-Ram & Top-Attack ammunitions

Rate of fire

80 r.p.m.

Firing direction system

Main weapon

Fully digital gyro stabilized

Gunner sight

Gyro stabilized in elevation and traverse

Gen II day/night camera

Daylight color TV camera

Laser range finder

Commander sight

Panoramic stabilized day/night camera

Radar sight

Tracking of assigned target and guidance of

ammunition (only for guided ammunitions)

Coaxial day TV camera

Ballistic computation

Full solution on the move

Gunner control panel

Dynamic tilt and meteo sensors

Commander control

Color LCD 12"

Color LCD 12"

Protection

Turret

Basic level II Stanag 4569;

Upgrade with add-on kit up to level IV Stanag 4569

Turret accessibility

Inside in the shell

Maintenance & repair of loading system

Outside the shell

Reloading of secondary armament

Reloading of rounds magazine

Weight

Dry

~6500 kg

Controls

Traverse arc-speed

N x 360° - 35°/s

Elevation arc-speed

-10° ÷ 75° - 60°/s



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