

# OTO STRALES & OTO DART

ELECTRONICS DIVISION

## OTO STRALES GUIDANCE SYSTEM FOR 76MM AND OTO DART AMMUNITION



The OTO STRALES system represents a remarkable evolution for the 76/62 naval artilleries which includes three main components: a 76/62 naval gun, OTO DART guided ammunition and a Radio Frequency Guidance System with associated electronic.

This System is the most effective response to the emerging requirements for medium calibre naval guns, demanding the highest level of lethality within evolving scenarios where multiple manoeuvring targets are to be simultaneously engaged, in Air Defence as well as in Anti Surface action.

The OTO STRALES is a very cost effective solution which keeps any advantage related to gun technology and boosts performance by increasing system accuracy to missiles level. Conceived as an add-on kit that can be integrated into the already in service OTO 76/62 gun mounts, OTO STRALES includes a Radio Frequency Guidance System provided with a mechanical frame to be connected to the gun-mount structure.

A new gun shield is provided with a watertight cover which can be automatically removed to deploy the guidance antenna; required electronic control unit is accommodated within suitable slots inside the OTO 76/62 New Control Cabinet. Once actual target position and stabilisation data are available, OTO STRALES operates as a stand alone system.

Designed to be compatible with any existing Combat Management System, OTO STRALES allows for all weather functioning.

The OTO DART projectile is equipped with the new DART microwave programmable multifunction fuse.

A new Multiple-Feeding (MF) ammunition loading system for the 76/62 mm is also available as a separate kit; this kit derives from OTO STRALES Double Feeding (DF), and is able to select any ammunition contained in the branches regardless of its position (typically, OTO DART and standard ammo).

## MAIN CHARACTERISTICS

### PROJECTILE WEIGHT AND LENGTH

- > In barrel 4.2Kg
- > In flight 3.5Kg
- > Length 660 mm

### FUSE FUNCTIONS

- > Anti-air proximity
- > Surface proximity
- > Impact
- > Delay impact

### FUZE CHARACTERISTICS

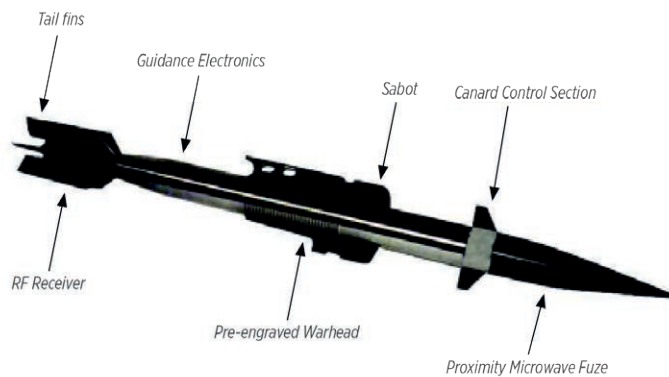
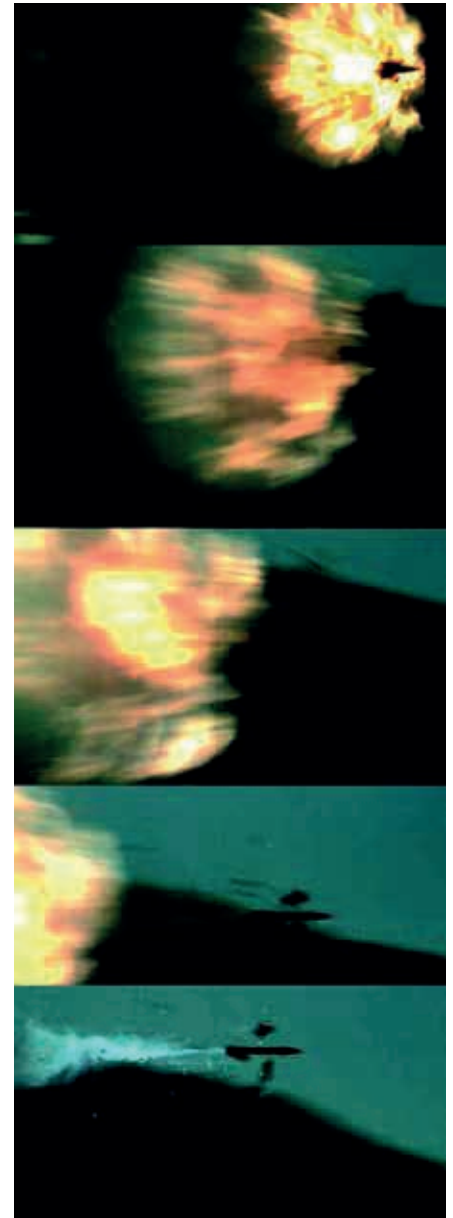
- > Programmable during flight through RF beam
- > ECM capability
- > Low altitude operation
- > Self destruction
- > Altimetric guidance

### SYSTEM PERFORMANCE

- > Effective operating range >8Km
- > Initial velocity 1100m/s
- > Manoeuvrability up to 40g

### MULTIPLE FEEDING KIT FOR 76MM GUN

- > Up to 20 ammunition type selectable
- > Interchangeable to 76mm standard and double feeding
- > 89 rounds ready-to-fire



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