



3A PLUS MULTI FUNCTION FUSE for 76/62 mm NAVAL GUN MOUNT

The 3A Plus is a programmable fuse developed and qualified for the Italian Navy, which provides several operative functions along with Proximity, Impact and Time Actions, involving an amazing technological jump.

Unrivalled effectiveness is ensured in emerging naval scenarios, particularly in Asymmetric and Littoral Warfare and protection from electromagnetic countermeasures is guaranteed due to sophisticated built-in technologies.

Functions available in Proximity Action are: Standard Proximity, Gated Proximity, Anti-Missile Proximity, Conventional Air Defence Proximity, Anti Surface Proximity, Proximity with impact priority.

In Impact Action, Fast Activation and Delayed Activation functions are available.

In Time Action, Volume Saturation and Air Burst functions are available.

The microwave RF sensor behaves like a seeker detecting the target at long range: relative velocity and position are measured and a built-in CPU sets up the trigger point for maximum lethality.

A Digital Signal Processor provides full rejection of

sea clutter at minimal distance from sea surface. Top performance is ensured in critical engagement conditions, such as those involving sea skimming missiles and fast manoeuvring boats.

Because of this unique feature, the range of activation of 3A Plus is not reduced in respect to the open space: compared to any other existing ammunition, terminal effectiveness results to be at least three times greater and the number of rounds required to achieve the same cumulative kill probability is dramatically diminished.

Any existing 76/62 naval gun can be very easily upgraded to operate 3A Plus by simply integrating a Fuse Programmer Unit; the capability to operate other 76mm ammunition is retained. Designed and qualified for the Italian Navy in order to comply to 76 mm standards, this fuse is a very convenient solution to significantly upgrade the lethality of current ammunition inventories.