

BAE SYSTEMS



# Bofors 57 Mk3

## Naval Gun System

To succeed in unpredictable battle scenarios, you need a highly flexible weapon system with minimal reaction times. This is what you get with the Bofors 57 Mk3 naval gun system.



A high rate of fire and immediate switch capability provide superb survivability and tactical freedom at all levels of conflict. Its 3P ammo can be programmed for optimised effect against any target, including airburst patterns for new threats that were previously impossible to engage.

The gun is controlled by a single remote operator via the Fire Control System. As a backup, it can also be controlled from Local Control Equipment located anywhere on the ship. A muzzle velocity radar attains the highest accuracy, as well as making best use of the 3P ammo.

The fully-automatic, computerised loading system in the gun can handle 120 ready-to-fire rounds. The loading system is divided into two sections to enable instant switching between ammo types.

For ease of integration, the length of the ammunition hoists can be adapted to the size of the ship. The only utility required is the power supply. Total system weight including 1,000 rounds is around 14,000 kg.



The Bofors 57 Mk3 naval gun system fires four rounds per second and can switch immediately between ammo types, including smart 3P all-target ammunition. This delivers seamless targeting of air, land and sea-based threats.

# Equipped for the future

The weapon is selected by and in service with a wide range of navies and coastguards, like in the US, Canada, Sweden, Finland and Mexico. This ensures the future development of the gun and its 3P ammo to deal with tomorrow's threats.



## Typical Applications

### Peacekeeping operations

The weapon system fulfils a preventative role, for example by firing warning shots.

### Full war conditions

The system is vital for defence against hostile ships, attack aircraft, anti-ship missiles and shore targets.

### Law enforcement missions

Threats such as pirates, smugglers and terrorists require the weapon to respond to multiple small, unpredictable targets.

### Littoral scenarios

The weapon is equipped with a superior level of target capability, beyond the engagement ability of conventional gun systems.



## Technical Data

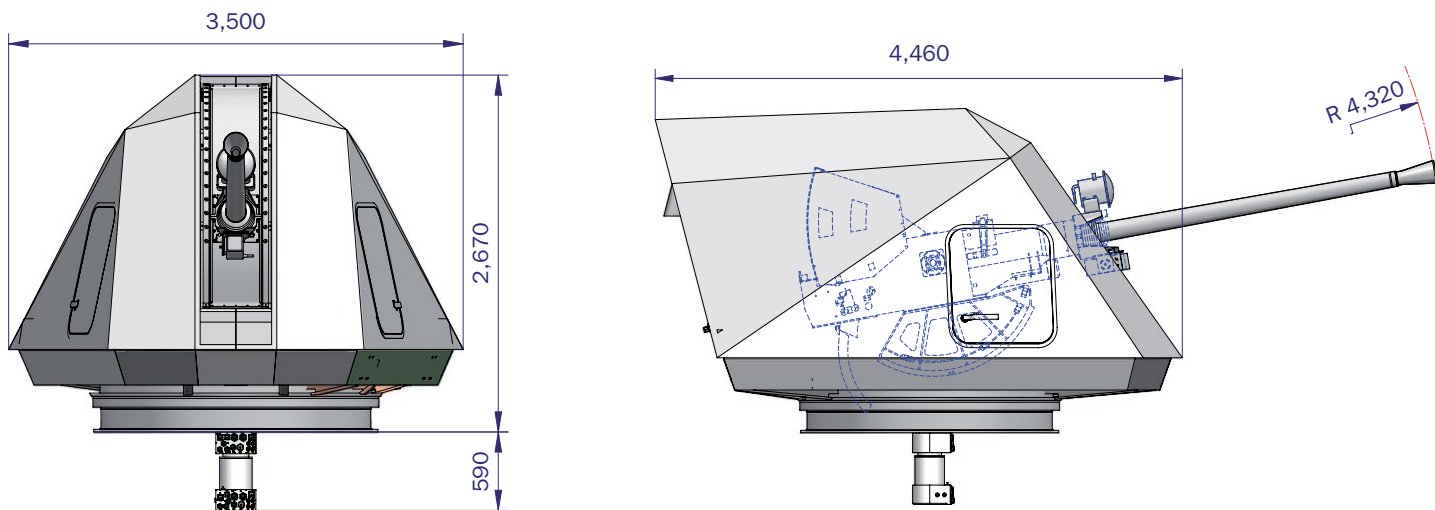
### Standard specifications

– Elevation:	-10° to +77°
– Total weight of gun excl. ammunition:	7,000 kg
– Weight including 1,000 rounds onboard:	14,000 kg
– Length of ammunition hoists:	1,960 to 9,805 mm (gun can be operated without hoists)
– Gyro-stabilised in local control	

### Performance

– Maximum range:	17,000 m
– Rate of fire:	4 rounds per second
– Muzzle velocity:	1,035 m/s
– Time to open fire at 45° training and 35° elevation from stand-by condition:	2.2 seconds
– Number of rounds available in gun:	120
– Dispersion (typical values):	
Elevation (s-value):	0.4 mrad
Training (s-value):	0.4 mrad
– Life of barrel:	up to 5,300 rounds

## Dimensions



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Approved for public release 01.15.