

Maximizing shipboard
defense against small, fast,
and agile surface threats as
well as close-in air threats.

30mm Machine Gun System (MGS)

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Equipped with a highly reliable Bushmaster® chain gun and its full complement of high explosive and air burst ammunition, the 30mm Machine Gun System (MGS) offers superior capability in defending against multiple surface threats. This lightweight, fully stabilized, remotely controlled system is also capable of engaging and defeating close-in aerial targets such as the latest emerging drone threats. The 30mm MGS incorporates an on-mount electro-optical sensor (EOS) with a state-of-the-art fire control system to optimize effective surveillance and engage enemy targets in all weather conditions, day or night.



Weaponry – The primary weapon is the proven 30mm MK44 cannon with dual side ammunition feed capability and selectable rates of fire. The 30mm MGS is also compatible with the 30mm/40mm MK44 Stretch cannon. The 30mm MGS can also support an on-mount coaxial weapon for additional firepower and protection capability.

Lethality – The 30mm MGS fires all 30mm by 173mm ammunition with adjustable rates of fire from single shot mode up to 200 rounds per minute and greater than 360 ready rounds on-mount. The capability to engage close-in air threats at greater than 65 degrees elevation coupled with the air-bursting munition offers

outstanding probability of hit and mission success!

Command and Control – The 30mm MGS provides several communication channels making it an ideal system to interface with the MK160 Government Fire Control System (GFCS) or other Combat Management Systems. The weapon system can be controlled and operated from either the MK160 or the included Remote Operator Console (ROC). The level of control is determined by the system and operational requirements – starting from designations of targets and status report, up to full control over the weapon system. The

integrated fire control system provides independent gun and EOS stabilization allowing situational awareness in a non-threatening manner. The superior optics package includes forward-looking infrared radar with three fields of view, digital zoom, a low contrast, low light level color day camera, and an eye-safe laser range finder (LRF). The EOS features outstanding capability to acquire and track both surface and air threats. Other features include continuous scan capability and multi-target tracking capability. The system can be operated 24/7 in surveillance mode, offering multi-mission capability to the ship.

Logistics and Support – The 30mm MGS has significant parts commonality with the existing 25mm MGS, enabling the reuse of existing logistical infrastructure including training material, test equipment, existing inventory

and spares for fleet and depot support.

Adaptability – The 30mm MGS can be applied to a wide range of different ship classes and platform designs of 50 tons or greater displacement.

Specifications

Gun type	30mm MK44 Bushmaster®
Ammunition feed	Dual side
Ammunition capacity	> 360 ready rounds
Rate of fire	5 rates from single to 200 RPM max

Personnel Requirements

Remote	1
Ammunition loading	2
Operability tests and scheduled maintenance (average daily)	6 min
Ammunition reloading time	5 to 7 min

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