

Naval Gun System

57mm Mk 110 Mod 0

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The 57mm Mk 110 Mod 0 Naval Gun System from BAE Systems is a multi-mission capable medium caliber shipboard weapon that has been selected for the U.S. Coast Guard's National Security Cutter and the U.S. Navy's Littoral Combat Ship (LCS). The Mk 110 Mod 0 Naval Gun delivers high rates of fire with extreme accuracy against surface, airborne, and shore-based targets, with proven effective 6-mode programmable 57mm Mk 295 Mod 0 ammunition.



Lethality – The 57mm Mk 110 Naval Gun System fires automatic salvos at up to 220 rounds per minute.

Command and Control – Linked with a digital fire control system, the Mk 110 responds to exact pointing orders and selected ammunition fuze option an instant before each round is fired.

Survivability – The Mk 110 weather shield provides environmental and ballistic protection for the gun system, and the design can be tailored to meet specific platform signature requirements.

Sustainability – The Mk 110 requires minimal manpower for operation and maintenance, and affords unparalleled availability through high-level redundancy, built-in test functions, ready component access, and onboard tools and spares.

Adaptability – The highly compact and lightweight Mk 110 Mod 0 requires minimal deck penetration and space below deck for ease in integration to a variety of hull types of 150 tons or more.

Specifications

Rate of fire	220 rounds/min
Maximum range	>9 nmi
Ammunition capacity in gun	120 rounds
Time for loading rounds	3-5 minutes
Firing dispersion in remote control	
Training (sigma-value)	0.4 mrad
Elevation (sigma-value)	0.4 mrad
Elevation	-10° to +77°
Train	Unlimited
Maximum elevating speed	44°/sec
Maximum elevating acceleration	115°/sec ²
Maximum train speed	57°/sec
Maximum train acceleration	115°/sec ²
Power supply	440-VAC 60-Hz 3-phase
Weight, complete without ammunition	14,960 lbs/6,800 kg
Life of air-cooled barrel	>4,000 rounds

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