

GOALKEEPER

30mm Close-In Ship
Defense System

ARMAMENTS

NAVAL PLATFORM SYSTEMS

OVERVIEW

General Dynamics Ordnance and Tactical Systems currently produces the seven-barrel GAU-8/A 30mm Gatling gun and ammunition handling system for the Goalkeeper Close-In Weapon System. Goalkeeper is an extremely accurate weapon system for close-in defense of ships from high-speed missile and aircraft threats.

The system defeats incoming threats with the 4,200 shot-per-minute GAU-8/A Gatling gun, which fires lethal 30mm Missile-Piercing Discarding Sabot ammunition.

Automatic and continuous threat evaluation and target prioritization are performed by the system's search radar, which relays 2D target information to the dual frequency (X and KA band pencil beam). Extremely accurate and continuous track data at very low target altitudes is provided by the KA band pencil beam. Continuous automatic comparison is made of the signal/noise ratios of the X and KA band returns to ensure uninterrupted tracking in a degraded environment. Anti-clutter and Electronic Counter-Countermeasures (ECCM) features also safeguard accurate tracking.

Goalkeeper is a joint collaboration between General Dynamics and Thales Naval Netherlands. More than 50 systems have been delivered to some of the world's most technologically advanced navies, including the Royal Navy and the Netherlands' Navy.



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SPECIFICATIONS

Gun Type	GAU-8/A, 30mm, seven-barrel Gatling gun
Weight	
Mount with Ammunition	14,018lbs (6,372kg)
Off-Mount Equipment	7,766lbs (3,530kg)
Total Weight	21,784lbs (9,902kg)
Muzzle Velocity/Rate of Fire	3,900ft (1,189m) per second/ 4,200 shots per minute
Ammunition	30mm HEI, API, TP, MPDS
Feed System	Linkless, 1,200 round capacity
Drives/dispersion	Electric / 1.10 mr
Search Antenna	
Frequency/type	X-band / linear array
Beam width	1.5° horizontal, 60° vertical
Track Antenna	
Frequency/type	X and KA band / cassegrain
TV	Compatible with CIR

