



SAMSON MK II REMOTE WEAPON STATION

Enhanced survivability multiple weapon station



The Samson Mk II is a dual-axis, gyro-stabilized, dual-sight remote-controlled weapon system capable of mounting multiple weapons. Based on the Samson Mk I, the Mk II offers improved combat capability with a lower silhouette, optional armor protection, improved hit accuracy, under-armor reloading, increased rigidity and higher gun elevation capabilities.

The Samson Mk II provides forces with mission flexibility in both urban and open country scenarios with maximum survivability for the vehicle and crew.

The Samson Mk II enables forces to effectively engage with a range of firepower. The system supports main and secondary armaments, including a 25mm to 30mm main gun and a secondary 7.62mm coaxial machine gun with an optional 40mm grenade launcher. An anti-tank guided missile launcher and smoke grenade launcher are also optional. The Mk II is lighter than manned turrets and does not require penetration into the vehicle hull, saving

significant interior space. The proprietary in-hull reloading system boosts crew survivability, and the low silhouette enables the platform's surfaces to easily accommodate protective armor, ranging from STANAG level one to four.

KEY CHARACTERISTICS:

Low silhouette with under-armor reloading for any 6 x 6, 8 x 8, or tracked armored fighting vehicle

Supports multiple weapons, including 25mm to 40mm weapons, anti-tank guided missile launcher, automatic grenade launcher and smoke grenade launcher

High hit and kill probability

Day/night operation and endurance under extreme conditions

Based on the operationally deployed Samson Mk I remote weapon station

Does not require penetration into the vehicle hull, saving significant interior space

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General Dynamics Ordnance and Tactical Systems and Rafael are teamed in a joint venture, GR Dynamics, LLC, to provide integration and production of the Samson Mk II remote weapons station. Based on the operationally deployed Samson Mk I, the Mk II remote weapon station offers improved combat capability with higher protection and a lower silhouette.

Specifications

Weight

Overall Combat Weight (including main and secondary weapons, full ammunition load, external and internal units, ATGM Missile Launcher and 2 missiles; excluding additional armor protection) Approximately 3,306 pounds (1,500 kg)

Weapons (partial list)

Main Armament	M242 25mm gun Mk44 30mm gun
Secondary Armament	7.62mm machine gun
Secondary Armament (optional)	40mm automatic grenade launcher
Effectors (optional)	Anti-tank guided missile launcher Smoke grenade launcher

Ammunition types - ready for use

25-40mm	200 rounds, including ABM
AGL 40mm (optional)	32 rounds
7.62mm	500 rounds
Missiles for ATGM launcher	Two missiles
Smoke grenade launcher	Up to eight

Traverse Range 360°

Elevation Range

Note: Depression range may be limited by vehicle structure. -20° ±1 to +70° ±1

Power Supply 24 voltage direct currents (VDC)
Nominal (18-32 VDC)

Power Consumption

Average power consumption <90 amps at 28 VDC

GENERAL DYNAMICS
Ordnance and Tactical Systems



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