

# LW50MG

## .50 caliber (12.7mm) machine gun



The Lightweight .50 Caliber (12.7mm) Machine Gun (LW50MG) represents a new generation of crew served weapons. The LW50MG offers unparalleled combat effectiveness in accuracy, lethality and mobility while decreasing the soldier or vehicle load.

The LW50MG's advancements over current weapons are achieved by a significant reduction in weight and recoil. The weight reduction allows easy transport by small ground units, expanding the mission flexibility of .50 caliber firepower. The recoil mitigation technology significantly improves accuracy and dispersion.

The LW50MG incorporates a quick-change barrel with fixed head space and timing. It is compatible with existing heavy weapon sights, ensuring effective target engagement to 2,000 meters in all conditions. Through reduced parts count and simplified design, the LW50MG is extremely reliable and easy to maintain.

The LW50MG easily integrates on stabilized remote weapon stations (RWS) and has effectively engaged moving targets from a moving vehicle. The light weight and low recoil provides the unique ability to mount a .50 caliber weapon on the newest generation of light RWS, providing a significant firepower advantage for vehicles limited by weight or recoil constraints.

### Specifications

Weight	40 pounds / 18 kg max. (weapon only) 62 pounds / 28 kg max. (ground mount system)
Recoil	325 foot-pounds
Dispersion	Less than 1.1 mils, one sigma radius
Range	Lethal and suppressive out to 2,000 meters
Ammunition	.50 caliber (M33 ball, M8 & MK211 API, M903 SLAP)
Feed system	Belt feed, M9 link (compatible with M2 feed system) Left hand feed, right hand eject of cases and links
Rate of fire	265 shots per minute (cyclic) 40 shots per minute (sustained, with barrel cooling or replacement after 400 rounds)
Reliability	6,000 MRBF (threshold) / 10,000 MRBF (objective)
Dimension	9.9Wx7.2Hx61.5L max. inches (52.5L charged)
Environmental	Operationally insensitive to conditions
Applications	Two-man portable emplaced with no sandbags Unmatched vehicle mount options for a .50 caliber weapon
Safety	Fires from open bolt position

## GENERAL DYNAMICS

Armament and Technical Products

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