

XM312

.50 caliber (12.7mm) machine gun



The XM312 .50 caliber (12.7mm) machine gun represents a new generation of crew served weapons. The XM312 offers unparalleled combat effectiveness in accuracy, lethality and mobility while decreasing the soldier or vehicle load.

The XM312'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 XM312 is compatible with existing heavy weapon sights, ensuring effective target engagement to 2,000 meters in all conditions. Through reduced part count and simplified design, the XM312 is extremely reliable and easy to maintain.

The XM312 quickly converts to the XM307 25mm grenade machine gun, creating a weapons system family with common parts and similar operation. This commonality reduces user cost, logistical burden and training time while increasing mission flexibility.

The XM312 integrates easily on 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 light RWS, providing a significant firepower advantage for vehicles limited by weight constraints.

Specifications

Weight	35 pounds / 16 kg max. (weapon only) 53 pounds / 24 kg max. (ground mount system)
Recoil	300 foot-pounds (similar to the 7.62mm M240)
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	230 shots per minute (cyclic) 40 shots per minute (sustained, without barrel change)
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

GENERAL DYNAMICS

Armament and Technical Products

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