

XM307

25mm airbursting weapon system



General Dynamics Armament and Technical Products is developing and is the lead system integrator of the XM307, a lightweight, portable Advanced Crew Served Weapon utilizing 25mm airburst ammunition. This next-generation potential replacement for current heavy and grenade machine guns efficiently manages recoil in a lightweight package and fires without sandbag ballast or human restraint.

The XM307 has a full-solution fire control system that includes a laser range finder and a day/night sight. The weapon delivers highly lethal and suppressive fire out to 2,000 meters against personnel and lightly armored vehicles.

Highly portable within small soldier units, the XM307 provides overwhelming lethality compared to existing systems. The XM307 provides devastating firepower against visible and hidden targets, such as those in foxholes, behind rocks and walls, and inside buildings with windows.

General Dynamics Ordnance and Tactical Systems is developing the airburst 25mm ammunition. Kaman Dayron, Inc. is developing the fuze and Raytheon is developing the full-solution fire control. The XM307 program is managed by the U.S. Army's PEO Soldier.

Specifications

System

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| Weight | 50 pounds (19.05 kg) (gun, mount and fire control) |
| Fire control | Full solution, day/night |
| Portability | Two-man portable and vehicle mountable |
| Stability | Up to 18-inch tripod height |
| Environmental | Operationally insensitive to conditions |

Gun

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|--------------|--|
| Dimensions | 9.9Wx7.2Hx52.3L max inches (43.3L charged)/ 251.46x182.88x1328.42mm (1099.82 charged) |
| Rate of fire | 250 shots per minute, automatic |
| Dispersion | Less than 1.5 mils, one sigma radius |
| Range | Lethal and suppressive out to 2,000 meters |
| Ammunition | High explosive airbursting, armor piercing and training ammunition (HE, AP, TP, TP-S) |
| Feed system | Weapon-mountable ammunition can (left feed) |

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Ordnance and Tactical Systems



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Armament and Technical Products

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