



M-197

20mm Gatling Gun

ARMAMENTS

AIRCRAFT GUNS

OVERVIEW

The 20mm M-197 produced by General Dynamics Ordnance and Tactical Systems is a lightweight, three-barrel version of the M61A1 Gatling gun intended for applications that require a lightweight, highly reliable weapon capable of firing up to 1,500 shots per minute.

The gun is specifically designed for helicopters, light fixed-wing aircraft and small naval attack vessels. It is adaptable for turret, pod, pintle or internal installations using either linked or linkless ammunition feed systems. Currently, the M-197 arms the Marine Corps AH-1J, AH-1T, AH-1W and AH-1Z. The M-197 is also used in the GPU-2/A 20mm gun pod.

Power requirements for the M-197 are lower than most weapons offering comparable rates of fire due to the M-197's continuous rotary motion. The M-197 is also capable of firing longer burst lengths than its competitors.

SPECIFICATIONS

Gun Type	Three-barrel, 20mm, externally powered Gatling gun
Weight	132 pounds (60kg)
Rate of Fire	Up to 1,500 shots per minute
Dispersion	8.0 milliradians diameter, 80 percent circle (M50)
Muzzle Velocity	3,380 feet (1,030m) per second
Average Recoil Force	1,300 pounds (5.8 kN)
Drive System	Hydraulic, electric, pneumatic
Feed System	Linked or linkless

