DILLON AERO

M134D/T Minigun

DILLON AERO, INC.

LAND

Photograph courtesy of the United States Air Force

AIR

SEA

Dillon M134D Gatling Gun

Steel, P/N: M134D
NSN: 1005-00-903-0751

Titanium, P/N: M134D-T
NSN: pending

Photograph courtesy United States Air Force

Photograph courtesy United States Army

Photograph courtesy Her Majesties Royal Navy

The Dillon Aero M134D is an electrically powered, six barreled, Gatling gun capable of fixed firing rates of either 3,000 or 4,000 shots per minute. It can be powered by AC or DC power sources. The weapon is chambered in 7.62 MM NATO with magazines available in 1500, 3000 or 4400 round capacities. The M134D is a modular system, allowing easy adaptation to any existing platform. This flexibility allows it to perform equally well in the fixed-forward fire or crew served mode. It is simple to load and easy to maintain. With an average of 30,000 rounds between stoppages, the Dillon M134D is one of the most reliable weapons in the world.

The standard Dillon Gatling gun fires 3,000 shots per minute. That equals 50 shots per second. No other 7.62 MM weapon comes close to this rate of fire. Why is shooting fast important? Because only fast guns such as the M134D can achieve the extreme shot density needed to suppress multiple targets in compressed periods of time.

More importantly, fast guns are more accurate than slower firing weapons. There are two reasons for this and both are a result of the high cyclic rate. First, Gatling guns experience virtually no recoil. The M134D fires 50 shots per second, meaning there is 1/50th of a second between each shot. Because the time between shots is so short the M134D, on a properly engineered mount, simply moves aft with the first shot with no tendency to pitch up or yaw. This makes the weapon far more stable and easier to aim. Secondly, in the time it takes to fire one round from an M-240, four rounds are fired from the Gatling gun—this makes for very dense shot grouping. This also means that with four times the number of impacts in the target area, there is a four-fold reduction in the amount of time it takes for a gunner to see his hits and adjust his aim.

Additionally, fast guns are more accurate when it comes to reduced error correction. When a gunner fires on a target, he must see the impacts to know exactly where the gun is aiming. As the amount of time between each impact increases, the amount of error caused by target movement or gun movement also increases. The amount of error can grow quite large due to helicopter movement, gun movement, and target movement. As the range to the target increase to 100 meters or more, the problem becomes severe. However, by increasing the number shots per second, the amount of time between each observed impact is greatly reduced.

But just how much more accurate is the M134D? Four times the number of shots should equal four times the number of hits, right? Wrong. Surprisingly, the M134D is, on average, nine times more likely to score hits. This is true because of the combined effects of high rate of fire, extremely dense shot grouping, and high weapon stability.

Since Gatling guns are more effective and more reliable than conventional "gas operated" guns, fewer weapons are required to cover a target area. Fewer guns mean fewer bodies to man them and fewer platforms to support them. This translates into big cost savings.

The Dillon M134D is a true force multiplier.

On land the M134D is currently deployed worldwide for convoy escort, border patrol, and VIP protection. In the naval role Gatling guns are employed in the force protection role on board the US and Royal Navy blue water fleet, and as fire support weapons on Special Operations boats. However, it is in the helicopter that the M134D is most often found. It is used throughout the world, on board the Bell UH-1, Bell-212, Bell-412, AH-6, H-60, H-47, and H-53.

The M134D, or component systems, are currently employed by the US Army, US Navy, US Marine Corps, US Air Force, the United Kingdom, Bahrain, Jordan, and Colombia.

Dillon Aero is currently delivering new production M134D Gatling Guns. Dillon also offers Service Life Extension kits for older generation General Electric GAU-2B/M134 Miniguns.