

# LA-AM-G3800 "Vulcan" Plasma/Aether Solenoid Accelerator

Feeding from an [LA/AN063 G-Series Attenuated Aetheric powerplant](#) via Structol Substrate Solenoid, the LA-AM-G3800 serves as a means to weaponise and accelerate plasma and aetheric outputs of the master powerplant of a given unit into forms coherent and fast enough to be used offensively in combat.

Though quite small, the LA-AM-G3800 emphasises diversity of operational envelope and rate of fire, operating as light reserve weapons, ideal for close combat or shooting down missiles or to hit other fast moving targets though they lack the range to be a primary weapon. Mounted in sequence into a longer barrel, a round can be further accelerated into a denser tighter faster shot.

It should be noted that a Vulcan is not a complete weapon and relies on a store of plasma or aether, cooling equipment and a power source in order to function and as such these statistics are guidelines: **It is component to be used in other weapons.**

## About the LA-AM-3800 "Vulcan"

Given that the upcoming Winter II powered frame did not have a reserve weapon already designed for it, the decision was made to specially design a solenoid accelerator: a means of weaponising common outputs of plasma and aether already moving between the frame's systems with very low energy demands, ensuring the Vulcan would always be available even if other weapons had failed.

The Vulcan works as a combination of low output packet and sabre, both with plasma and aether outputs. While quite weak alone, the Vulcan is designed to be used in large numbers of five or more in order to be an effective weapon, depending on rate and density of fire to get the job done.

It is constructed from a specialised arrangement of [doresu](#) electromagnets, [capel](#) capacitors and [thermalis](#) radiator plates and has no energy source or computer of its own. In some applications it may be paired up with an arrangement of [solenoid superchargers](#).

## Arrangement

Critically, the Vulcan differs from other coil or rail systems in that it is composed of modular cuboid plates arranged in a triangular prism which are arranged in a radial configuration, rather than a sealed tube. These cuboid plates can be opened or closed, similar to the hinges of a door for a variety of different effects if numerous units are locked together (*for example two forming a hexagonal prism in radial alignment, a longer barrel in sequential alignment or two separate barrels in parallel alignment*). As such, while the Vulcan itself is not a weapon, arrangements of it combined with an energy, computation and munitions source *can* be.

## Nomenclature Information

- Designer: Lazarus Consortium
- Manufacturer: DATASS signees
- Name: LA-AM-G3800 “Vulcan” Solenoid Accelerator
- Nomenclature: Lazarus Consortium, Armour workshop Mechanics, Gun-part, 3800 series (3801, 3802, etc)
- Type: Multifunction plasma/aether weapon
- Role: Close In Weapons System
- Length: 30 centimeters
- Mass: 200 kilograms

## Appearance

The LA-AM-G3800 “Vulcan” Solenoid Accelerator resembles the bastard child of a commercial jet engine and a mining drill, extruded into a long fore-arm sized rod with the diameter of a beer-can. Its exterior is normally covered by a protective casing but if removed the unit is covered with hollow straw-thick channels for substrate solenoid to drive the weapon: providing its power-source, input material, cooling, computer control and ammunition.

## Discharge Information

### Plasma mode

- **Projectile Muzzle Flash:** The muzzle flash, vented only through the nozzle contorts forward and clings to the shot in a thin long line along its path, akin to fast-moving strings of syrup clinging to a bowl and a spoon before finally breaking. The line is often chased by plasma arcs. It is usually bright cyan in color, decaying into cerise, then finally pink.
- Retort: The weapon emits a subsonic “thrum” when firing and is described as “whacking an empty oil drum full in its side with an aluminium bat”
- **Projectile/Beam Appearance:** The shot is typically cyan in color, beginning as a sphere which is then stretched into a bolt at higher speeds.
- Effective Range 1.6m (atmos), 0.3 AU (space)
- Rate of Fire: Two rounds per second
- Recoil: Rearwards, 5kg per shot.

### Aether mode

- **Projectile Muzzle Flash:** A bright magnesium-like flash.
- Retort: A high-pitched ear-splitting sound, akin to grinding metal.
- **Projectile/Beam Appearance:** The shot is bright white, with a deep blue glowing outline when

seen with the naked eye.

- Effective Range 12700km (atmos), 0.7 AU (space)
- Rate of Fire: One round per second
- Recoil: Rearwards, 5kg per shot.

Ammunition (Or 'Energy Source' if applicable)

- Ammunition Supplied by a [LA/AN063 G-Series Attenuated Aetheric powerplant](#) (plasma & aether)
- **Average DR:** Tier 5
- Round Capacity: overheats after firing 20 successive rounds, requiring 1 minute to cool.

(Insert Ammo Name/Weapon Name for Firing Modes) Damage Quickchart	
(Type/Mode)	Damage
Plasma Shot	Tier 4, Light Anti-Armor
Aether Shot	Tier 7
Plasma Blade	Tier 7
Aether Blade	Tier 8

Weapon Mechanisms

- **Firing Mechanism:** Electromagnetic compression & linear acceleration of round
- **Loading:** The weapon feeds directly from a substrate solenoid.
- **Mode Selector:** Safety and mode are selected via computer control.
- **Firing Modes:**
  - Shot-mode: the weapon will fire a short range projectile of plasma or aether.
  - Blade-mode: the weapon will project a thin beam which widens momentarily before a physical strike.
- **Safety Mechanism:** None
- **Weapon Sight:** The weapon is aligned and controlled via software.
- **Attachment Hard Points:** Substrate solenoid (rear), additional accelerator equipment (frontal)

OOC

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