

LA-AM-G1800 Solenoid Supercharger

A solenoid supercharger is a computer-controlled array of [phyliaus doresu quasicrystals](#) arranged in what could be considered an inside-out form of the [Lorath Enhance Subspace Wave Drive](#). Its purpose is to act as an after-market accelerator/compressor, 'supercharging' the particle output from a substrate solenoid such as the [LA-AM-G3800 "Vulcan" Plasma/Aether Solenoid Accelerator](#).

Importantly, the solenoid supercharger is not a weapon but is instead a component of other weapons.

More about the LA-AM-G1800 Solenoid Supercharger

Mechanically, it works similarly to the Linear Acceleration Control assembly in kinetic rail cannons, as well as the LACs in plasma weapons and even aetheric equipment. In this case, the G1800 is a direct follow-on from the accelerators found in the [Compressed Packet Rifle](#) - allowing rounds fed through the supercharger to achieve high sub-luminal velocities from otherwise very conventional round velocities (ie, fractions of the speed of light). This extends the effective range and velocity of weapons enormously while widening their operational envelope to include sub to post orbital, lunar-orbital, intrasolar and deep space combat. Importantly, a weapon can be fired without the Solenoid Supercharger engaged, meaning its power drain is only present when the weapon is fired at full capacity.

Usage

The Solenoid Supercharger is optionally linked to other equipment via bypass, similar to the systems used to exchange plasma between different equipment on Lorath starships. Quite importantly, all equipment involved requires adequate cooling in order to function properly as the solenoid supercharger gets quite hot during optimal function.

Functions

The Solenoid Supercharger is able to further focus a round in order to improve its conventional ranges also, while maintaining its accuracy over longer ranges. In addition, the solenoid supercharger's output can be vectored up to 10 degrees off axis, to compensate for detected inaccuracies in weapons and equipment fired through it.

While normally used to accelerate rounds, it can be used to create a static "anchor point", a vertex at which a round becomes larger and larger in size, often exceeding the diameter of the barrel in question. To do so, the superchargers must be arranged in a radial pattern.

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