

Light Gauss Starship Cannon

First fielded in [YE 40](#), [Origin Industries'](#) Light Gauss Starship Cannon is a medium anti-starship weapon designed to be a relatively small but heavy hitting armament for starships without having to rely on Aether technology.

About the Light Gauss Starship Cannon

The Light Gauss Starship Cannon, or LGSC was designed to be a heavy hitting 'Main Gun' for small to medium starships. Based on the larger [500mm Gauss Impelled Positron Cannon](#), the LGSC is a scaled down version providing similar results on a smaller scale. It was originally designed for a refit of the [Jinkan-class Escort](#)

Nomenclature Information

- Designer: [Origin Defense Manufacturing](#)
- Manufacturer: [Origin Defense Manufacturing](#)
- Name: Light Gauss Starship Cannon
- Nomenclature: OI-d1-4000
- Type: Gauss cannon
- Role: Medium anti-starship
- Length: 15 meters
- Mass: 20,000 lbs, 9000 kg

Appearance

The Normal appearance of the LGSC is a simple tube that is mounted onto a starship, and can be either sticking out from the front of the craft or mounted along its surface. The rest of the LGSC is buried within the ship. Unmounted, the LGSC is a long tube, which has a large receiver at one end where ammunition is inserted by an automatic loader.

Discharge Information

- Muzzle Flash: Little to no muzzle flash, occasionally tiny golden sparks will come out with the round and dissipate almost immediately.
- Retort: In atmosphere, there is an extremely loud, sharp crack when the weapon is fired.
- **Projectile Appearance:** The Projectile is a round or pointed nose projectile, usually black. it is invisible to the naked eye when fired.
- Effective Range 300,000 km in space¹⁾, 100,000 km in atmosphere
- Rate of Fire: 12 rounds per minute
- Recoil: Medium-High²⁾

Ammunition

The LGSC Fires 250mm x 1000 MM Projectiles.

- Ammunition [250x1000mm Gauss rounds](#)
- **Purpose:** HEP³⁾: Tier 11, HKP⁴⁾: Tier 10. EMP⁵⁾ Tier 8 (Tier 10 to shields and Electronics)

250x1000 MM Damage Quickchart	
(Type)	Purpose
High Explosive Positron	Heavy anti-everything, overloads shields and ablates armor
Heavy Kinetic Penetrator	Medium to heavy anti-armor, can overload shields with Kinetic force and penetrates armor
Electromagnetic Pulse	Relatively light physical damage, heavy damage to Shields and Electronics

Weapon Mechanisms

Information about how the LGSC functions

- **Firing Mechanism:** A round is loaded into the chamber via an autoloader, and then pushed forward into the Gauss coils, which propel the round forward at high fractions of the speed of light. The coils and rails must be allowed to cool for several seconds before another round can be inserted, re-starting the cycle.
- **Loading:** A magazine feeds an auto-loader through a belt feed mechanism. The autoloader, when commanded, loads a round into the chamber. The autoloader can select between different ammunition types, but takes 3-5 rounds to switch between different types.

Other

Pricing

- **Light Gauss Starship Cannon:** 15,000 KS/Unit

Replaceable Parts and Components

- **Barrel Assembly:** 12,000 KS
- **Autoloader:** 4,000 KS

Ammunition

Ammunition pricing for the LGSC

(Insert Ammo Name) Price Quickchart	
Type	Price (per 100 rounds)
HEP	15,000 KS
HKP	5,000 KS
EMP	10,000 KS

OOC Notes

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Products & Items Database	
Product Categories	weapons: starship
Product Name	Light Gauss Starship Cannon
Nomenclature	OI-D1-4000
Manufacturer	Origin Industries

1)

Theoretically unlimited, however it can only targets within 300,000 km

2)

While the weapon is hard-mounted, it can be felt recoiling by the ship's crew unless mitigated by ship systems

3)

High Explosive Positron

4)

Heavy Kinetic Penetrator

5)

Electromagnetic Pulse

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