

HS-MH3-W75400 Akko Rotysam (Coil Gun)

The HS-MH3-W75400 Akko Rotysam was developed for use by the [Poku Saeruo Degonjo](#) in the [Matu'dahoka \(Battle Bear\) Stako Yanuto](#), it became available in 754 CY [YE 35](#).

About the HS-MH3-W75400

The Akko Rotysam is functionally the same as the [Akko Rotysa \(Coil Gun\)](#) used on starships.

Specifications

Manufacturer: [Poku Saeruo Degonjo](#) Nomenclature: HS-MH3-W75401 Type: Gauss Class: Weapon
Designer: [Otâmovi Wiy Jael \(Silver Moon Sect\)](#)

Performance

Rate of Fire: Three round burst 10 seconds Damage: ([Damage Rating \(Version 3\)](#))

- 2 ADR

Effective Range 2,000 yards Maximum Range: 10 miles Payload 300 rounds

Internals

Barrel

The Barrel is constructed of several components. They are listed here.

Frame

The barrel frame is constructed of [Mâqirây \(Bound Metal\)](#) and is 1 meter in length. It is lined with Magnetic coils that provide the motive force for the projectile. The projectiles are suspended by the magnetic field of the coils, so they do not contact the inside of the barrel. The end of the barrel can elevate and lower by 45 degrees. The bore of the barrel is 1.27cm (5in).

Magnetic Coils

The projectile is accelerated through a series of 🧲 [Superconducting](#) magnetic coils. Each coil activates sequentially to continue accelerating the projectile. The coils are cooled by a system to keep the coils at optimum conductivity temperature.

Casing

The barrel and its surrounding coils are encased in [Mâqirây \(Bound Metal\)](#). This protects the inner workings of the barrel from debris and other objects.

Muzzle Cover

The muzzle of the barrel is closed when the weapon system is shutdown. The muzzle cover keeps dust, debris, etc from entering the barrel during travel and damaging the internal mechanisms. The muzzle cover is a four part clam shell, when open it resembles a four pointed star.

Charging System

The charging system is tied directly to the exo-skel power system. It builds up a charge sufficient to fire a three round salvo and then recharge. This accounts for the 10 second interval of firing.

Loader

The projectiles are fed into the cannon barrel by a fabric belt feed mechanism. The belt disintegrates as the projectile is extracted. Inspection and cleaning of the loader must be done after battle.

Magazine

The Akko Rotykam magazine houses 300 projectiles in a drum container. The Magazine takes one minute to remove and install a new one. The cannon must be disabled during the exchange.

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