

HAVOC Rods

The ammunition for the [CSW-S1-W1 Hyper-Accelerated Variable Ordinance Cannon "HAVOC"](#) is a relatively simple application of materials science and scale. Simply put, the majority of each round is a dense metal such as tungsten, coated in [Madite-C](#) to reduce its sensor profile.

Rods are equipped with a small [Semi-active Radar Homing](#) system and a modest gravitic drive. Given the immense velocities of the rounds, these are only capable of making small course corrections and not true homing.

For much of the rod's journey, the gravitic drive is used to minimize the rod's mass signature. A stealth device is included to further reduce the round's sensor signature against common forms of detection.

Variations of the standard rod exist that offer less raw kinetic power in exchange for other capabilities. The main example of this is an aetheric detonation rod that exchanges a significant amount of the standard rod's mass for a payload similar to that found in aether-based torpedoes.

A small anti-matter detonator is placed at the core of each rod with just enough payload to destroy the rod itself after it has traveled a pre-determined maximum distance.

Stats

Each standard rod is ~170 tons and, at maximum speed, delivers 6.2×10^{15} J of force - roughly 1.5 [Megatons](#). Higher rates of fire, or alternative payloads, reduce the total kinetic force in exchange for other attack options.

- Size: 1.5 meters x 5 meters
- Damage Description: Kinetic
- Effective Range: Unlimited along a mostly linear path; most rods are set to self-destruct if they travel more than 50,000 km beyond their intended target
- Muzzle Velocity: .6c - .9c
- Muzzle Blast: Minimal
- Damage Ratings:

Type	Purpose	Rounds per Minute
Standard Rod, Normal Fire	T13	4
Standard Rod, Rapid Fire	T10	48
Aether Explosion Round	T12, 30,000km diameter sphere	4

OOO Notes

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