

NAM 'Fang' Multipurpose Guided Missile

MGM-01a

Developed in [YE 41](#) by [Nepleslian Arms and Munitions](#) to replace the earlier armor-grade heavy guided munitions utilized by such PA as the [EARTH](#), the Fang Multipurpose Guided Missile MGM-01a is a self guided anti-vehicle munitions delivery platform. Rebuilt from the ground up, the Fang combines high velocity and endurance with a robust warhead and defensive suite.

Stats

The Fang is a relatively large missile, compared to the popular minimissiles used nowadays by many nations. This size, however, is in part due to its long range, powerful warhead options, and integrated defensive systems.

- Length: 1,200 mm ¹⁾
- Diameter: 170 mm ²⁾
- Nomenclature: MGM-01a
- Effective Range: 25km in atmosphere, 10,182,920km(controlled) in space
- Muzzle Velocity: .85c ³⁾
- Propellant Reserves: 40 seconds worth.
- Recoil: Heavy, forcing the weapon directly back and up.

Missile Damage Quickchart	
Missile	Purpose
WHITE Tungsten Cap	Tier 4, Light Anti-Armor
RED High-Explosive	Tier 6, Light Anti-Mecha
BLUE EM Pulse	Tier 9, Heavy Anti-Mecha to armor grade shields
GREEN Antimatter Warhead	Tier 9, Heavy Anti-Mecha

Systems that use the Fang include:

- [NAM Assault Ordinance Projector AOP-02a](#)
- [Scirocco WIND Pack](#)

Guidance

The Fang MGM-01a is guided by its own internal guidance system and AI, which has four tracking modes:

- Infrared Guidance, where the Type 41 missile homes in on a heat source.
- Anti-Radiation Guidance, where the Type 41 homes in on the largest source of electromagnetic or subspace radiation
- Aspect Seeking, where the missile homes in on an object which fits the initial aspect or visual

profile of the target

- Radar Guidance, where the missile's internal radar locks onto a target before being fired.

In all of these modes, the Fang is self guiding and does not need further input from the firing platform.

Propulsion

Propulsion for the Fang is provided by a steerable, cut down [NAM Dual-stage Hyperspace Tap Drive](#). This DHTD is fixed into plasma drive mode and feeds from an internal propellant tank filled with ionized hydrogen, with enough propellant for 40 seconds of acceleration.

Defenses

The Fang has its own integrated defensive measures, based on a scaled down and cut back version of the [Na-M/V-E4100 Black Veil Electronic Warfare Suite](#). This version of the suite has only the following features:

- ECM and ECCM
- Active Defenses
- Stealth

OOC Notes

[Firebrand](#) created this article on 2019/09/12 19:33.

Approved by Charmaylarg [here](#) on 11/11/2019

¹⁾

3 ft 11 in

²⁾

6.7 in

³⁾

constant boosting makes the round lose fuel quickly

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