

Magathiel Mini-Missile Cell

Developed in [YE 42](#) for internal and export sales, the [Ryu Heavy Industries'](#) Mini-Missile Launcher is designed to be installed into external pods and launch systems. It became available for sell in [YE 45](#).

About the Magathiel Mini-Missile Cell

Named after an [Elysian](#) friend of the Mizumitsu Clan, the Magathiel Mini-Missile Cell was developed to accommodate the wide variety of mini-missiles on the open market. Orginally a dedicated launcher, the cell came about as engineers, end users, and management could not decide on how many cells should be in the launcher.

“Why develop yet another mini-missile, when there are plenty of great ones available?” Project Manager

The Magathiel makes use of canister assemblies, allowing customers to make use of a variable number of Magathiel cells for their designs. A fighter might use a 54 cells in a traditional horizontal pods. Another craft might make use of a 130 cell mini-vertical launcher.

Nomenclature Information

Weapon Name	
»Optional Image«	
Year Created:	YE 44
Faction:	Nepleslian Reds
Designer / Manufacturer:	Ryu Heavy Industries
Nomenclature:	RHI-W8-1A
Role:	Depends on the loaded missile
DRv3 Tier:	Depends on the loaded missile
Production:	Mass Production
Price:	1,000 KS

Appearance

The Magathiel Mini-Missile Cell typically have a grey coloration and a rectangular cube shape with mounting rails on the side. The top is a heavy clam shell type hatch that protects the payload when not in use. Exhaust channels are located at the opposite side of the cell.

- Dimensions: 350mm (length) x 150mm (width and height) per cell
- Weight: 75kg

Discharge Information

General information about the Magathiel Mini-Missile Cell's discharge, including details of visible and audible actions and effective ranges.

- **Muzzle Flash:** Depends on what the cell is mounted in. In vertical launchers, a flare from the exhaust is first seen before the exhaust of the mini-missiles comes out of the cell after it exits. For horizontal launchers, both the flare and the exhaust comes out of the rear.
- **Retort:** A popping sound before a whoosh as the missile flies out. It is then replaced by the sound of the missile's motor.
- **Projectile Appearance:** Depends on the mini-missile used.
- **Effective Range:** Depends on the mini-missile used.
- **Rate of Fire:** 1 missile per 10 seconds.
- **Recoil:** Moderate if the exhaust comes out the front. Light if horizontal.

Ammunition

The capabilities of the Magathiel's ammunition is mostly dependent on the selected munitions types; most compatible missile types, however, have an explosive capability - the severity of which is decided by their type and tier.

- **Ammunition:** Any mini-missile less than 100 in diameter and 300 in length
- **Purpose:** Depends on the mini-missile(s) loaded into the cell.
- **Round Capacity:** Depends on the diameter of the mini-missile, usually 1 per cell.

The following mini-missiles are compatible with the Magathiel Cell:

- [Star Army Mini-Missiles, Type 41](#)
- [Suzukaze Type Mini Missiles](#)
- [Galactic Horizon Mini Missile](#)
- [Starfighter Mini Missiles](#)
- [OHI Mini Missile](#)

Weapon Mechanisms

General descriptions about how the Magathiel Mini-Missile Cells functions and cycles.

- **Firing Mechanism:** Parent craft first selects the number of mini-missiles to launch. The mini-missiles are then programmed, protective hatch opens, and the launch command sent. The hatch closes in 5 seconds to allow remaining exhaust to exit.
- **Loading:** Canister assemblies containing the mini-missile(s) slide into the cell and are locked to the mounting rails.
- **Mode Selector:** The parent craft's fire control selects which and how many cells to fire.
- **Firing Modes:** 1 missile launched individually or in 5 missile salvos, staggered by 2 seconds when

multiple cells are used.

- Safety Mechanism: Mini-missiles are not armed until programmed and 2 meters away from the cell.
- Weapon Sight: The Magathiel lacks an integrated targeting system. The mini-missile is instead programmed by the carrying craft's own fire control system before launch.
- Attachment Hard Points: None

Note: A Magathiel cell can accommodate reloading from the rear. After opening the rear, the spent canister is removed and a new canister is slid into place. But it is a lengthy process and requires an external loading system (manual or an autoloader). Even with an autoloader, it will take 10 seconds to complete a reloading cycle.

OOO Notes

[Demibear](#) created this article on 2021/04/05 20:45.

Approval Thread:

<https://stararmy.com/roleplay-forum/threads/ryuk-xuanwu-transatmospheric-shuttle.71351/>

Products & Items Database	
Product Categories	weapons: missile launchers
Product Name	Magathiel Mini-Missile Cell
Nomenclature	RHI-W8-1A
Manufacturer	Ryu Heavy Industries
Year Released	YE 45
Price (KS)	1,000.00 KS
DR v3 max	Tier 8
Mass (kg)	75 kg

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