

Type 40 Yamatai Integrated Rail System

Created by [Ketsurui Zaibatsu](#) in [YE 40](#) as a means to improve function of various weapon systems by having a mounting system that could be standardized across various frames and designs. While its use is currently limited, it has been expanding within the [Star Army of Yamatai](#) military hardware. Currently the [Star Army of Yamatai](#) is the only force using this system, with the number of weapons that have them integrated easily counted on one hand at the time of this report.

Designer:	Ketsurui Zaibatsu
Nomenclature:	Ke-G1-40
Manufacturer:	Ketsurui Zaibatsu
Fielded by:	Star Army of Yamatai

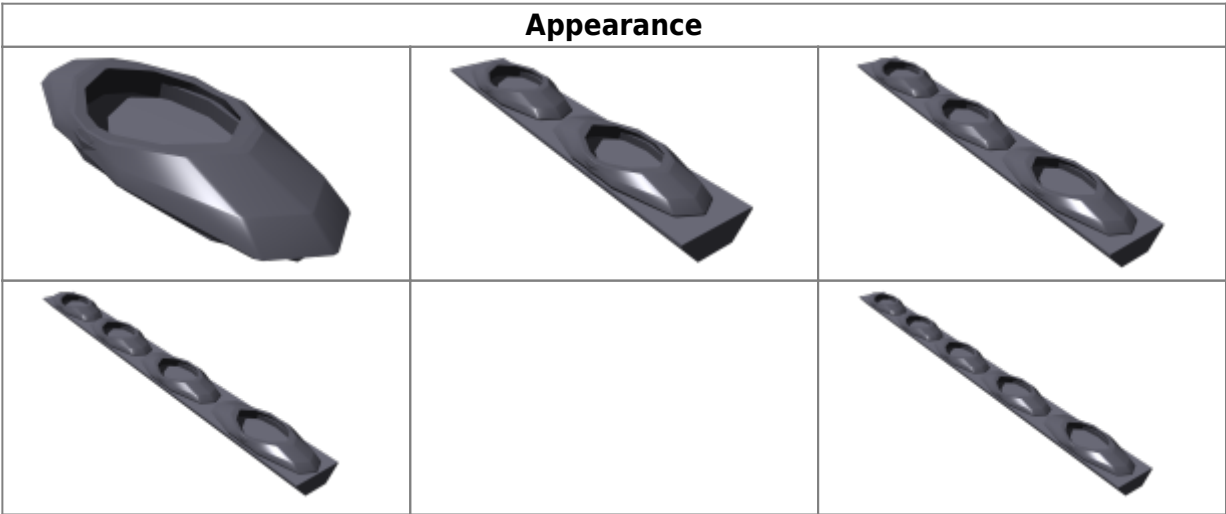
History

With the advancing change of pace of combat by Yamatai forces, as well as the changing style of combat, efforts to facilitate ease of adapting to situations. Frequently troops would require an armory officer to use materials and time to install the modification, and these attachments were frequently only removable by an armory officer, often leaving troops with a difficult to alter set-up for a mission that might very well be the wrong kind of mission for the mission they now find themselves assigned to.

With this in mind, finding a system of attaching modules with little armory experience, time, and resources, but still provide reliable and effective module usage that would give expanded options for a mission. And if needed, the ability to quickly remove unneeded modules for a mission. The YIRS (Yamatai Integrated Rail System) was thusly born and first tests on the [Ke-M4-W4000 Power Armor Automatic Rifle - 40YE](#), and soon found its way to other weapons as the field tests of the system proved to be able to perform as well as advertised.

Function and Design

The YIRS is a rail-mounting system to assist in mounting various devices to weapons with more ease and reliability than previous rail systems, though it lacks the firmament of having additions mounted directly to the weapon. Each node, which is a rounded protruding cup, is configured in such a way that any module which is inserted requires two nodes to ensure proper fitting, as this helps with both zeroing the module to the weapon as well as helping to keep the module firmly into place. Most modules which attach use a lever system to lock the rotating insert on the module to fully seat it into the second of two nodes. A single node is 84.27mm long, 31.21mm wide, and 6.76mm tall. Depending on the length of the rail unit on the weapon, accounting for a minimum of two requiring a 1mm separation to facilitate durability of the nodes frame. The rail length that nodes are located on can increase the height if attached on a weapon not built with it in mind, though this amount is often negligible.



Availability

As of this time, only a small selection of [Star Army of Yamatai](#) weapons utilize the system, including [Ke-M4-W4000 Power Armor Automatic Rifle - 40YE](#), [Star Army Rifle, Type 41](#), [Ke-M2-W4001 Heavy Aether Pistol](#) and [Type 41 Turbo Aether Plasma Shotgun](#). This results in the weapon being considered in limited run development for Yamatai military equipment only at this time.

OOO Notes

[Glein](#) created this article on 2019/05/09 00:01.

Approved by Ametheliana at 21:53 PST on 2019/06/11, in this thread: [LINK](#)

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