

Star Army Rifle, Type 41

The Star Army Rifle, Type-41, which is produced by [Origin Defense Manufacturing](#) as a standard infantry rifle, is the standard rifle for [Ranger](#) units operating outside of power armor suits, and has begun to phase out regular [Star Army Rikugun](#) unarmored infantry forces, and is available as an option for [SAINT](#) and [SOFT](#) units. Developed in [YE 37](#) by Origin Defense Manufacturing as the [Kuvexian](#) situation begun the founding of new roles in the [Star Army of Yamatai](#) would result in the [Ranger](#) corps. It would receive a b model in [YE 40](#) with upgraded components and the newly developed [Type 40 Yamatai Integrated Rail System](#) to make the weapon even more adaptable. It would enter full issue and production status in [YE 41](#), after the lengthy development process which took it through two full iterations of the weapon, thus earning the designation Star Army Rifle, Type 41b.

Price: 750 KS

About the Type 41

While most rifles are intended as a weapons to overpower the enemy, this rifle, while providing a degree of this function, is more intended as a method to allow forces that need a lightweight, compact, but reliable weapon when in conditions and situations where supply logistics make restocking on parts and ammo potentially hazardous, or where heavier weapons would be considered “overkill” in handling local threats. By reducing the reliance on more advanced hardware to operate the system, the ability for it to operate effectively in more varied environments is made. Having begun to be issued to Rikugun forces, is the standard rifle for Rangers, and is designed to replace the [Type-33](#).

Nomenclature Information

Originally built to be a weapon to be issued to Rangers, as an option for SOFT and SAINT forces, and now being issued to the Rikugun as a lighter, more combat ready weapon, it is intended to succeed the [Type-33](#) for these forces.

- Manufacturer: [Origin Defense Manufacturing](#)
- Internal Designation Name: Origin Defense Manufacturing Model 17 Special Operations Fire Team Assault Rifle
- Official Designation Name: Star Army Rifle, Type 41
- Nomenclature: Oi-W17-1b
- Type: Cased Chemical Projectile Propulsion
- Role: Combat Infantry weapon for use when outside of Power Armor
- Length: 736.6mm (29in)
- Height: 251.46mm (9.9in)
- Width: 63.5mm (2.5in)
- Mass: 3.31kg (7.3lbs)

Appearance

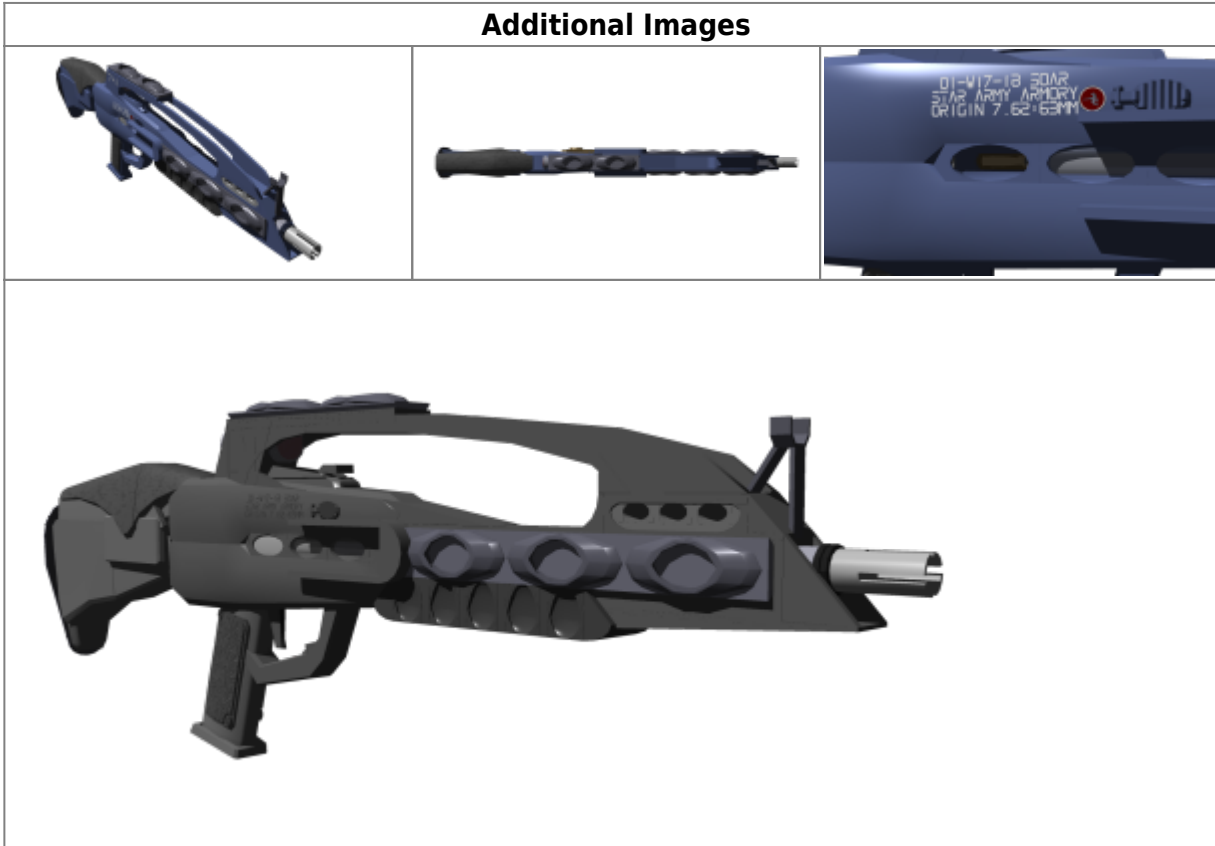
Lightweight, with a fairly sleek design for ease of holding, this infantry weapon forgoes some of the heavier duty parts of its predecessor, as well as the gauss systems used for the projectiles. A large reason for this was to reduce reliance on parts or tools that might not be available in the field for longer operations by special forces. With the carry handle built into the framework of the handguard, it has increased strength to handle misuse by operators. The unmagnified red dot sight located in the back of the carry handle is situated inside the frame of the handle, helping to zero the rifle while also protecting most of the components for its operation. The biggest change in operation stems from its side-loaded magazines. The weapon is ambidextrous to a degree, with the ejection port being set to the slide opposite of the magazine. The magazines are semi-transparent to help with ammo tracking purposes while firing their 50 rounds of capacity. There is also a front sight post on the weapon, with a half-pipe shape to help focus the operator should the power cell for the red dot sight fail. The weapon is traditionally in the standard colors of the Star Army weaponry, though there are black versions available that lack the [Type 38 Hinomaru](#) connected to the weapon information block, and T-41 markings located on the sight frame for those missions with the intention of not revealing the operatives origin as quickly, as the black version still has 'STAR ARMY ARMORY' punched into the data block..



Additional Images



Additional Images



Weapon Operational Information

With the use of cased chemical propellant to operate the weapon, there are extra steps required to ensure continued operation of the weapon, though many steps have been made to reduce the risk of jams or blockages by environments in which the rifle may find itself in.

Discharge Information

The weapon has a strong side-ways kick to it as the weapons magazine and bolt operated to the side of the weapon, instead of forward/back in some models, or up/down in other models of weapons.

- Muzzle Flash: A quick gout of flame that is dispersed by the facets of the flash-hider, giving the weapon a pillar of muzzle flash coming out of the end, with spokes of heat extending from the other sections of the open billed flash hider.
- Retort: When used in full automatic fire, the sound is akin to a un-suppressed portable power generator popping in rapid succession, though single and burst fire tend to make it sound more like a sharp crack of noise.
- Effective Range Up to 1600 meters
- Rate of Fire: 650 RPM
- Recoil: Strong. This weapon would be limited in firing to single, semi-automatic fire when used by most personnel, though military personnel with augmented bodies can handle the weapon in full automatic fire with only a sore shoulder for extended firing sessions.

Ammunition

The Type-41 uses a more readily and smaller caliber projectile than the [Origin 12.7x50mm Electromagnetic](#) used in the Type-33, to further reduce the weight of the ammo for the operator, and allow for more to be available. While it is not nearly as powerful at further distances, it has enough impact that few can deny it has hit them when it does connect. While various options exist, the Type-41 is only advised and issued four types of ammo: Standard, Hollowpoint, Armor Piercing, and Training rounds.

- Ammunition [7.62 x 63mm Origin](#)
- [Purpose](#): Tier 0-3
- Round Capacity: 50 rounds per magazine.

Damage Quickchart			
Round Type	Purpose	Identifier	Image
Standard	Tier 2 Offensive (Standard)	Uncolored Tip	
Hollowpoint	Tier 2 Offensive (Soft Targets)	Light Gray tip	
Armor Piercing	Tier 3 Offensive (Anti-Armor)	Black Tip	
Training	Tier 0 Offensive (No valid combat application)	Blue Tip	
Firing Modes			
Mode	Count		
Safe	Weapon unable to fire		
Semi-Automatic	Fires 1 round per trigger pull		
3-Round Burst	Fires 3 rounds per trigger pull		
Full Automatic	Fires as long as trigger is held		

Weapon Mechanisms

Using a rotating bolt in the body of the rifle, and a revolving magazine feeder to allow the 'vertical' holding of ammo to then be feed in the correct direction in the rifle, it has few high-maintenance parts, the most important being the short-stroke piston gas-block system to facilitate control of the weapon during firing and the magazine's rotational feed system.

- **Firing Mechanism:** With a firing pin that must be cycled with every shot, the weapon operates via short-stroke piston gas-block to ensure greater control and management of the weapon. The bolt is pushed back into the weapon with each shot fired, helping to load the next round into the system. The pin then strikes the primer cap on the base of each bullet, igniting the material inside each case to propel the projectile.
- **Loading:** The weapon has a variable lock method for determining which side the magazine is feeding into the weapon. Whichever side of the bolt has the magazine notched in place will be mechanically locked open, which allow the magazine's rotating feed system to insert rounds. As the piston pushes the bolt back from firing, the motion ejects the empty casing and thusly allows

the next round to be fed in via pressure from behind in the magazine, and the bolt being forward enough to prevent the weapon from jam feeding rounds in.

- **Mode Selector:** Located on the bottom of the trigger guard, the fire selection switch (which includes the safety) is operable by the user's trigger finger. Due to its central position on the guard, it is a more natural ambidextrous fire selector switch, though it still has a slight left-handed bias as the settings are, from left to right, with Safe being on the far left, Semi-Auto (Notated as 1), Burst Fire (Notated as 3), and Full-auto (notated as F) on the far right.
- **Firing Modes:** When not on safe, the weapon is capable of firing in one of three modes - Semi-Automatic, Three-Round Burst, and Fully Automatic.
- **Weapon Sight:** The default sight on the rifle is an unmagnified red dot sight, with a locked-in front sight post to allow for aiming when the power cell in the sight is without a charge. It is possible to adjust the zero on the rifle, though the controls to do so are protected by a cover to prevent accidental changing of the adjustments.
- **Attachment Hard Points:** Current Generation 1b models have [Type 40 Yamatai Integrated Rail System](#) to allow for installing of attachments such as foregrips, laser aiming devices, and flash-lights, in addition to alternate sighting devices located above the built-in sight. The weapon also fires at a low enough velocity to allow for a suppressor to be installed for more stealth oriented missions.

OOC Notes

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

Star Army Logistics	
Supply Classification	Class G - WEAPONS INDIVIDUAL SMALL ARMS
First Used	YE 41
Last Review	YE 41
Products & Items Database	
Product Categories	military equipment, weapons: rifles
Product Name	Star Army Rifle, Type 41
Nomenclature	Oi-W17-1b
Manufacturer	Origin Defense Manufacturing
Year Released	YE 41
Price (KS)	750.00 KS
DR v3 max	Tier 3
Mass (kg)	3.31 kg

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