

# LSDF 30-ton Tank 'Kiwi'

The [Lorath Self Defense Force](#)'s take on the Main Battle Tank is decidedly true to their culture - the LSDF 30t 'Kiwi' is much lighter, faster, and in their opinion, deadlier than many of its equivalents on the modern battlefield. Combining superior mobility and technological superiority, the Kiwi is the ideal tank for a force that emphasizes quality over quantity.

Weight 30 tons

Length Hull: 25 ft (7.6 m) Overall: 27 ft (8.2m)

Width 11 feet 1 inch (3.38 m)

Height 9 feet 10.5 inches (3.01 m)

Crew 3 (commander, gunner, driver)

Main Armament: 'R-88 Acesulfulzel' 88mm Subspace Enhanced Railgun

Main Armament Ammunition Capacity: 70 rounds (carried in 14 5-round drums)

Secondary Armament(s): fairy kisses

Suspension: Horstmann suspension

Ground clearance: 1 ft 8 in (50.8 cm)

Top Speed: 500 km/h (310 mph) Officially the tank is documented as possessing a speed of approximately 120km/h (75~ mph ) and the true upper limit remains classified outside of the LSDF, and operation of the vehicle at such speeds is ludicrously unsafe - tales abound of reckless crews that disable the engine governors on their vehicles and end up crashing, killing themselves and costing the Matriarchy valuable time and money.

## Design and Features

The LSDF 30t Kiwi is a conventional tank design, consisting of a tracked, armored vehicle with a rotating turret that possesses the ability to both elevate and depress its main gun. The tank is amphibious, by way of the Magnetohydrodynamic drive principle - magnetic field generators installed in the hull allow the tank to use this principle to move itself through water.

The tank features a completely automated fire suppression system, and blowout panels on both the ammunition and power-plant compartments. The hull, ammunition stowage, power-plant compartment, and turret all feature Zesuaim foil lining to protect the crew and the interior from spalling created by round impacts and penetrations.

It also boasts a small onboard air compressor, with which to over pressurize the crew compartments for

protection against NBC attacks, as well as a climate control system for extreme temperatures, both hot and cold.

## **Armor and Countermeasures**

The hull and turret are constructed from cast Durandium, chosen primarily for its weight and relative durability. The LSDF 30t relies primarily on the training of its crew, its Lorath Sensor suite, and the LAC-RAMMS system to protect it from harm, though the Kiwi is compatible with a Hardlight Projector Survivability Kit (or HPSK), a small-profile, dome-shaped hard light projector that generates Hardlight standoff plates to further protect the vehicle. The HPSK mounts itself to the top of the turret.

Besides its passive defenses, the Kiwi relies primarily on its Lorath Sensor Suite to detect hostiles long before they would otherwise detect it, and its LAC-RAMMS system to shoot enemy projectiles out of the air.

The Kiwi also features a proprietary smoke canister launcher mounted on the outside of the hull. Triggered with a simple electrical impulse, the smoke canisters discharge a smokescreen capable of hiding the tank both visually and from sensors and guidance systems to facilitate tactical movement or retreat.

## **Tracks and Suspension**

The Kiwi boasts a Horstmann style suspension system, chosen because Horstmann suspension features the dual advantage of being easily replaceable and not encroaching at all on the tank's already cramped interior.

An additional quirk engineered into the suspension system is the capability for the tank to 'hunker down' pressing itself firmly against the ground as a means to prevent hostile PA from gaining access to the underbelly of the tank. Additionally the tank assumes this posture when engaging in anti-starship fire as it provides increased stability while firing.

The tracks are formed from Lor-derived Stone Thread composite polymer, impregnated with picojelly. The tracks are a single, continuous belt, as opposed to the traditional segmented track design. This offers advantages in ease of construction and durability - a single mono-track can take far more punishment than a conventional track design. The picojelly impregnation can also be used to repair damage in the field, as well as alter the shape of the tracks, widening them if need be to cross especially boggy terrain.

## **Powerplant**

The Kiwi relies on the LA/AN063 G-Series Attenuated Aetheric powerplant to provide power to all of its systems, except the guns, which usually use pre-charged capacitors present in the ammunition drums. However, for the purposes of anti-starship duties with select loadouts, the Aetheric Powerplant can be used as the power drive for the main gun, allowing for drastically increased range and penetration.

The onboard powerplant allows the Kiwi to move and traverse extremely quickly - theoretically the design is only limited by how much power the commander wishes to allocate to these tasks and how much fuel is onboard.. LSDF doctrine limits the tanks to a combat speed of about 50-60 km/h, though, experienced units often operate much more quickly.

## Main Armament

The Kiwi's main armament is the 'R-88 Acesulfulzel' 88mm Subspace Enhanced Railgun, a gun originally intended for static artillery positions. It was chosen for the Kiwi due to a balance of several features present in its design: its small size, relatively modest logistic requirements, power, and the wide range of ammunition available for its use.

When the gun's power requirements are slaved to the onboard aetheric generator, the Kiwi's main gun can be used for limited anti-starship duties.

## Secondary Armament

lol comin' soon an shit

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