

# Personal Defense Shield "Svalinn"

The Svalinn personal defense shield is a hand held shield produced by [Origin Defense Manufacturing](#) for personnel class use.

**Designer:** [Yori Kataoka](#)

**Manufacturer:** [Origin Defense Manufacturing](#)

**Classification:** Protective Equipment

**Role:** general shield

**Weight:** Varying, base unit ways 2kg. Shield plates can add anywhere from 1 to 3 kg

## About PDS Svalinn

The Svalinn personal defense shield is [Origin Industries'](#) solution to the lack of impromptu defense mechanisms on the market for those in non-power armor situations. There had been many solutions for vehicles and powered armor, but for the rest it was hope you already had your armor on, or nothing. It takes advantage of a small gravity generator on the back side of the system to manipulate projectile paths and make them easier to guard without super human hand eye coordination.

## Appearance

The PDS Svalinn can come in several different shapes and sizes based on preference. However the most common shapes are a small buckler, a mid-sized coffin shield, and the rectangular tower shield. Despite the variance in shape and size one thing remains consistent through out the shields, the presence of several small emitters on the edge of the shield.

Behind the shield is a simple rectangular mechanism about 2 inches thick and 12 inches wide by 14 tall. On one side of this centerpiece is a small display, as well as an extended bar handle with controls on it. On the front is an secure locking mount where the shield plates are placed.

Along the edge of the shield plates are placed small elongated hexagonal emitters each only 4 inches long, 1 inch wide and three-quarters(0.75) an inch thick.

## History

The first prototypes of the Svalinn shield were produced during the operation to terraform the planet Ake. A crew that was not expecting much combat needed to become combat ready within a night, and with the lack of power armors, the crew was sorely in need of defensive equipment, so solid volumetric

emitters were attached to metal plating and used as primitive shields.

After the operation it was realized that there could be a market for such devices so Yori began work on improving the technology. The final form was the Svalinn, with an added gravity manipulator to help in protecting the user.

## Mechanics

**Shield plate:** The standard plate of the shield is [Durandium Alloy](#) core, coated in [Endurium](#). This creates a rather light shield that is capable of high kinetic absorption. The plate has been designed to be detached and removed, for easy maintenance of the shield, as a composite surface makes repair difficult.

**Each shield plate has 6 emitter slots**

**Volumetric Emitters:** In default the shield comes with 2 volumetric emitters that project a visual guide to show the effective range of the gravity system when a button is pushed on the controls.

**Gravity Manipulator:** The gravity manipulator on the back of shield is attached to handle and used generally to push things away, causing a reduction in speed of physical matter projectiles. If pushed up strong enough it can even divert projectiles all together.

**Controls:** A control system is featured on the handle that allows for turning off and on of the gravity manipulator and volumetrics. These controls can also reverse the gravity manipulator to pull things in, or switch it to diversion mode. Extended functions are also controlled by this.

**Battery:** The Svalinn runs on a double [Interchangeable High-Volume Capacitor](#) in order to assure it does not run out when it's needed.

**Display:** The shield has a display on the back that shows the current settings and how much time it has left at current operation.

## Performance

### Energy Efficiency

The Svalinn has several different functions that can be interchanged but all use the battery, so a simple guide for how much energy the functions consume is provided.

- **Gravity Manipulator (Standard):** At it's standard levels the gravity manipulator consumes 2% battery every minute
- **Gravity Manipulator(Diversion):** When at full power to alter projectile trajectory, the gravity manipulator consumes 20% battery every minute.

## Damage resistance

- *Shield*: Designed to withstand multiple [Medium Anti-Personnel](#) attacks.<sup>1)</sup>
- *Gravity Manipulator*: Reduces the power of [Light Anti-Armor](#) or weaker attacks, that are effected by gravity, by one grade.

## Other

- *Course Diversion*: Can divert a [Light Anti-Armor](#) attack that is effected by gravity 1 meter off course away from the center of the shield.

# Optional Modifications

## Solid Volumetrics

An optional solid volumetrics system can be purchased to to increase the effectiveness of the Svalinn. The system works by clipping six emitters onto the pre-allotted spots where the normal emitters go. When in use this system creates a solid volumetric coating over the shield to help with attack negation.

**Requires all six emitters to work**

## Performance

- **Efficiency**: The solid volumetrics consume roughly 3% battery life every minute.
- **Resistance**: Makes the shield capable of withstanding multiple [Heavy Anti-Personnel](#) attack<sup>2)</sup>

## Electric Stun System

Another option, more practical for police use or other crowd suppression operations. The shield can create a strong electric pulse over the surface that can send a charge through a body and cause convulsions and render them helpless. **Requires 4 emitters to work**

## Performance

- **Efficiency**: The electric stun system uses 5% power per pulse
- **Resistance**: Provides no defensive buff, but performs a [Light Anti-Personnel](#) electrical stun attack. (Ignores armor and only effected by electrical resistance)

## Battery mod

Upon ordering, the system can be requested to work with different battery systems.

- **BR-28E:** Default for *Star Army of Yamatai* orders. Can hold upto 2, each one giving 50% power.

## Pricing

- **Base system:**(Main Unit, Battery, **normal** volumetric emitter) 1300KS
- **Shield plates:**
  - Small size shield: 300KS<sup>3)</sup>
  - Medium sized shield: 500KS<sup>4)</sup>
  - Tower Shield: 700KS<sup>5)</sup>
- **Solid Volumetric Emitter system:** 1200KS
- **Electric Stun system:** 450KS
- **Double Interchangeable High-Volume Capacitor:** 80KS

## OOC Notes

[Syaoran](#) created this article on 2015/12/08 18:10.

Products & Items Database	
Product Name	Svalinn
Manufacturer	<a href="#">Origin Industries</a>

<sup>1)</sup>

Treated as Teir 3 armor

<sup>2)</sup>

Treated as T4 armor

<sup>3)</sup>

-100KS off replacement if you turn in a small shield plate for recycling

<sup>4)</sup>

-200KS off replacement if you turn in a medium shield plate for recycling

<sup>5)</sup>

-300KS off replacement if you turn in a tower shield plate for recycling

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