

# User guide

## General

You **must read through** these instructions in detail, as **there will most likely be new instructions** compared to regular diving equipment. Any **use of FinnFin's products is a sign of confirmation and agreement** that the user has read and understood the following user guide and related instructions.

FinnFin Diving fins are high-performance products made from light-weight materials and constructions. This means that they have **lower tolerance for abnormal use** and **require more care** to keep them in good working order.

**Alterations** made to the product **or deviations** from this user guide's instructions **transfers the liability** for the safe functioning of the product **to the user**.

This user guide represents the best possible information at the time of writing, but FinnFin Diving reserves the **right to make changes** to these instructions at any time.

## Product assembly

**Apply** a thin layer of **grease or thread seal tape to the screws** before assembly.

Assemble the product in a **clean place** to ensure no dirt, sand etc. are in the screws or threads.

The left and right **ankle locks** are different, so check that you are attaching them **to the correct foot pockets**.

**Start** assembling the product to its desired configuration by **threading the screws by hand**, without any tools to ensure that the screws go into their correct threads and there are no other complications (e.g. sand) before using tools for tightening them.

Continue tightening the screws using **correct tools** (e.g. hex- and torx-wrenches) that are in **good working order**. **Never use power tools** in the assembly or disassembly of the product.

**Orient the fin-blade(s)** to be straight forward before tightening the screws.

**Do not tighten** the screws to **over 5 Nm** torque. This roughly corresponds to turning a slightly stiff door handle.

**Use protective washers** (small metal plates under the screws) to spread the tightening load over wider area. Even with these washers there will be small cosmetic marks, scratches made to the product, which is normal and do not influence the performance of the product.

**Use only screws and bolts provided by FinnFin** Diving in their **correct places**. Take **extra caution** to use the correct 10mm-long screw for **attaching the ankle lock to the foot pocket**, as a longer screw could damage the foot pocket.

## Pre-dive inspection

Check that all the **screws** are in place and tightened correctly.

Check that the **Velcro straps** are in good working order.

Check that the **fin blade(s)** are oriented correctly and are in good working order.

Check that the other parts of the diving **fin assembly** are in good working order

If you have **any doubts**, **don't use** the product and **contact FinnFin** Diving for more advice. We are happy to help you resolve any questions or issues!



## Product use

FinnFin Diving fins are designed to provide exceptionally high performance in the intended use, which is kicking with muscle force in free water. The consequence of this high performance is that these fins have lower tolerance for other kinds of stresses or loads. Most notably

- **Don't jump into water feet first**, as this could cause abnormally high temporary load to the fin
- **Don't stand** on the bottom or **kick from the wall using the tip of the fin blade** (e.g. when turning in the end of the swimming pool), as this is the most delicate part of the diving fin assembly
- **Avoid scratching** the product, e.g. by standing on sharp rocks
- **Protect the product from temperatures** that are **below freezing or over 60** degrees Celsius.
- **Don't dive to over 100m** depth. We'll update this number later when we've had the chance to verify the product's performance in deeper conditions, but at the time of writing this is the deepest test we've been able to perform in Finland.

## After use

The user should **perform these maintenance activities after every dive**, regardless of the type of water used (salty, fresh, pool) to ensure the product stays in good working order.

**Remove the screws** that **attach the fin blade to foot pocket** and **ankle lock to the foot pocket**. This exposes the non-replaceable threads that are built into the foot pocket so that they can be maintained.

**Rinse** all the parts and screws **with fresh water**. Do not use a power washer.

**Do not use** water that is **over 60 degrees** Celsius, or any **aggressive cleaning solvents**.

Use only **soft cleaning tools**, e.g. a rag when cleaning.

**Dry the product thoroughly**, also the threads built into the foot pocket. **Don't use heat over 60 degrees** Celsius (e.g. hair dryer or leaving the product in a hot car on sunny day).

## Storage

**Store the product in a cool and dry place**, where it is **protected from** direct **sunlight**, **contaminants** (e.g. smog or aggressive chemicals) or **impacts**.

Ensure that the **product is not under stress or tension** when stored or being transported.

When storing the product for multiple days, **detach the ankle lock from the foot pocket**. In longer storage the surface coatings of these parts can begin to stick together making later disassembly more difficult.

