

Revision 1

- Corrected information on the 109 fuselage where the longer side needs to face forwards, not the short side. Adjusted the order of wing sizes from biggest to smallest.

Revision 2

Updated foil package names. Changed the front wing of the Wing Pro package to be the Glider Pro 710.





Our dedication to innovation since 1994 made Starboard one of the first brands to offer foils. The same spirit of innovation led to the design of some breakthrough racing foils, two back to back racing world titles and the introduction of foiling in the Olympics. We also introduced some engineering innovations such as the carbon/alu/carbon foil construction and side-bolts, both accepted today as common industry solutions.

Today, we're proud to launch our 2025 UCS collection that introduces two more innovations: the Universal Connect System and an incredible wing design method we call Auto-Optimisation 7000X.

UCS is a new foil connection standard that we hope will be adopted by many brands. Look for the label "Works with UCS" and you can be confident it'll fit and just work.

Auto-optimisation is a breakthrough foil design method developed by Martin Fischer, Charles Dhainaut and Mathieu Durant. It uses computers to optimise a wing design, looping thousands of times over to generate a hyper-optimised wing shape. With the right computing resources, what would take classic prototyping decades to optimise can now be done in a short time frame, giving you wings that have never felt so efficient.

2025 is truly a special year and we hope you'll be just as excited as we are with this incredible new collection.

Tiesda You Starboard Foils Chief Designer

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UCS - a new connection standard Auto-Optimised 7000X Front Wings and Tail Wings Masts & Foil Packages Fuselages & Accessories

With 3D files available for all brands to download from Jan 1 2025, UCS is a new connection system designed to unite all needs into one universal system.

From pro riders who wish to fine tune wing angles to every day foilers who just want parts to fit each other, a UCS foil "just works" right out of the box.

Strong and light for freestyle, streamlined and extremely stiff for racing, compatible with thick or thin wings, UCS also offers geometry options that work for all foiling disciplines, from wing to windsurf. All in an elegant and simple-to-use system.

A thin carbon cover wraps around the top of the saddle to guarantee a smooth, streamlined nose no matter the front wing's shape, size and thickness. No more steps or seamlines to disturb the flow of water.

Two pairs of bolts placed side by side creates an innovative mast-fuselage connection that is simple, strong and incredibly stiff. A subtle mating V-shape keeps it all aligned under pressure.

Both front and tail wings use the same connection. Large, flat mating surfaces guarantee maximum strength and stiffness.



With more brands joining the Universal Connect System, UCS makes everything easy. Look for the 'Works With UCS' logo and feel confident the part will fit.



CNC-machined aluminium angle spacers are available as an accessory, letting advanced riders fine tune either tail wing angles, front wing angles or both.





15mm spacers are also available as an accessory. Inserting these lets you move the front wing or tail wing by 15mm to add stability or upwind power.



Tiesda You (left) and Martin Fischer (right) discuss the Auto-Optimisation process and its impact on foil design. Visit our YouTube channel 'Starboard Foils' to watch the full video



Wings designed with the Auto-Optimised 7000X process have the 'Auto-Optimised' logo printed on them.

Innovative and ground-breaking, the auto-optimisation 7000x process was developed by Martin Fischer, Charles Dhainaut and Mathieu Durand.

"Starting from a base design, we enter our desired performance parameters and the structural limits. The computer then first calculates an optimum shape, before feeding this new design back to itself to recalculate an even more optimised shape."

Repeated thousands of times over, this looping optimisation process is made possible thanks to a novel approach to the equations that govern fluid dynamics. Eventually, the process converges towards a hyper-optimal design, something that would have previously taken the most powerful supercomputer weeks or months to calculate (and taken a human decades).

The result: wing designs that offer incredible flight characteristics virtually at the limit of the laws of physics.

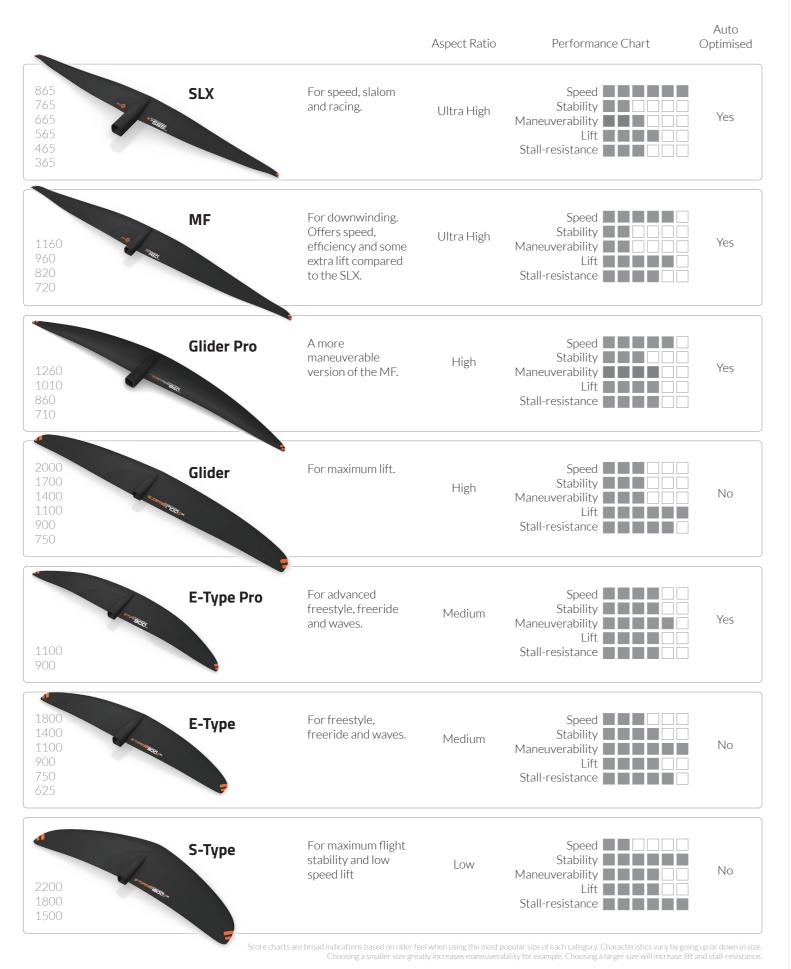


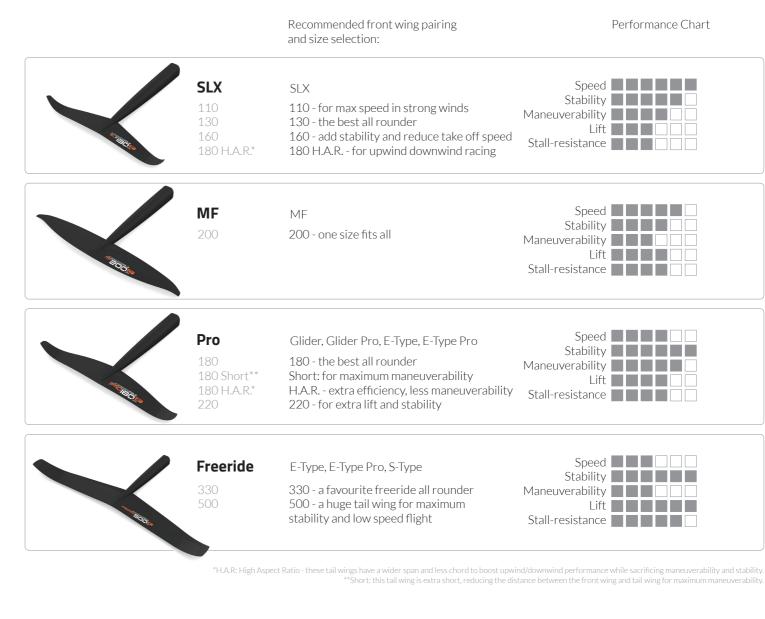






Wing, windsurf, surf, downwind, SUP, tow, kite or dock. Our wing collection covers every foiling discipline, from entry level to world-championship-winning pro level.





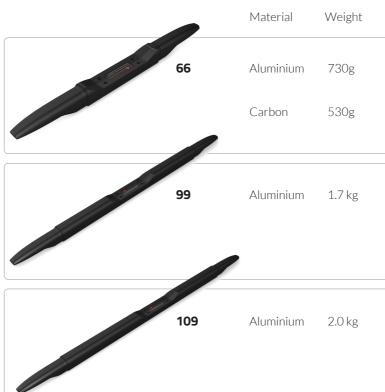


From 72cm to 105cm, carbon or aluminium, Top Plate or Deep Tuttle, we've got you covered. Our Solid Core Carbon masts are built inside out in Ultra High Modulus Carbon (for the C600 series) or High Modulus Carbon (for the C400 series). The Foam Core series use a PVC foam core and a 19mm thick section to combine light weight with stiffness. The V8 aluminium masts offer a blend of superb reliability, stiffness and strength.



The 66 fuselage is the fuselage we use for almost all our foiling activities, from downwinding to wing, dock foiling, surfing and SUP. The 99 and 109 fuselages are for windsurfing, where the 99 is the one we recommend for speed, slalom and freeride. The 109 is ideal for course racing. The 66 is available in a lightweight carbon option that saves 200g.









We tasked the Starboard team to make foiling easy and they came up with this curated selection of parts to make six packages: three for wing and three for windsurf.



Wing package 'Starter'

FW: S-Type 2200 FW: E-Type 1400 Fuselage: 66 Alu Fuselage: 66 Alu Mast: V8 72cm TP



'Free Fly'

Wing package Wing package 'Pro'

FW: Glider Pro 710 Fuselage: 66Alu Mast: V8 82cm TP Mast: V8 82cm TP



Windsurf package 'Go Fly'

FW: S-Type 1800 TW: Freeride 500 Fuselage: 99 Alu Mast: V8 75cm DT



FW: E-Type Pro 900 Fuselage: 99 Alu Mast: V8 95cm DT



Angle Spacers

aluminium.

This set of seven angle

Precision-machined in

spacers lets you fine-tune

front and tail wing angles.



Fuselage Collar

Inserting a collar shifts the front wing forwards by 1.5cm to boost power, or the tail wing backwards to boost stability.

FW: E-Type 1400 Fuselage: 99 Alu Mast: V8 85cm DT

| Reversible? | Suitable for |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Yes, both sides are symmetrical Yes, both sides are symmetrical | Wing, Surf, SUP Downwind, Dock Wing, Surf, SUP Downwind, Dock |
| Yes. One side is 2cm longer than the other. Placing the longer side forward generates more power. Placing the shorter side forwards reduces power. | Windsurf Slalom |
| No. One side is considerably longer than the other. Placing the longer side forward is recommended for course racing. | Windsurf Course Racing |



Team Bag

XXL V3: 107 x 46 x 16 - designed to fit the mast with a 66 fuselage attached.

XL V3: 128 x 16 x 36 - more compact, but it requires the fuselage to be removed.