

*FLIGHT*F4 RACING
NEIL PRYDE



FLIGHTF4
RACING

RACE. EVOLVED.

Introducing our newest addition to the foil family:
the F4 Racing Foil.

A fully evolved, high-performance racing
experience, shaped and crafted through months of
development, CFD simulations and water testing.

We have reduced drag by integrating the fuselage
into the front wing as well as the tail adjustment
within the foil. The High Modulus Carbon
construction makes it the stiffest foil ever produced.

These solutions and innovations truly make the
difference and help reinvent the racing experience,
ensuring it feels like nothing else.

The F4 Racing stands for power, speed, balance and
control on all courses and racing formats.

Race riding: Evolved.



SMALL

Small wing/fuselage - 780mm
Mast - 1050mm
Medium tail - 420mm
Total length - 850mm

MEDIUM

Medium wing/fuselage - 900mm
Mast - 1050mm
Medium tail - 420mm
Total length - 1000mm

LARGE

Large wing/fuselage - 1000mm
Mast - 1050mm
Large tail - 460mm
Total length - 1200mm

NEILPRYDE

Highlights

RACE SMOOTH: INTEGRATED WING TO FUSELAGE CONNECTION

An upgrade on regular bolt-on-wing connections, F4 Racing Foil integrates the wing and fuselage together creating unparalleled stability and improved hydro-dynamics.

The integrated design ensures that the critical leading edge of the front wing creates undisturbed flow, meaning improved lift-to-drag ratio, and faster speeds.



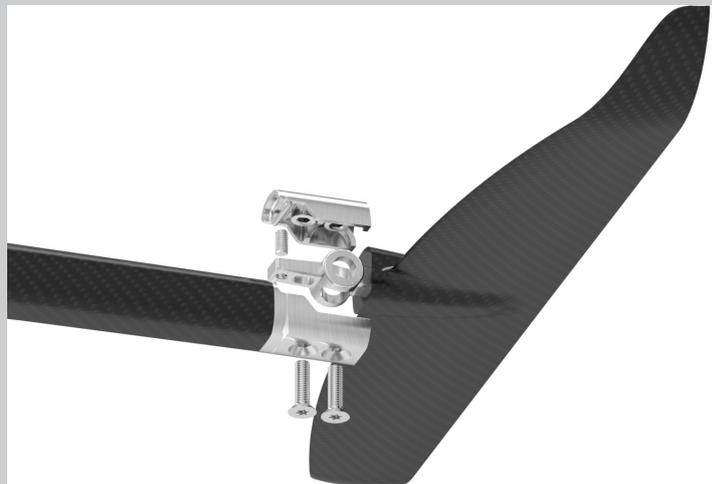
RACE PRECISE: PROGRESSIVELY TAPERED MAST TO BOARD CONNECTION

Progressively tapered in the area flying above the water, this newly refined mast improves strength and rigidity where it is needed most: just below the Tuttle box. Additionally, the tapered shape creates a step on the mast that sits on the underside of the board and prevents the foil from moving, thus ensuring an ultra precise angle position for board and rider.

Highlights

RACE SOLID: STAINLESS CLAMPING TAIL SYSTEM

Innovatively engineered, F4 Racing Foil eliminates the classic bolt-on tail in favor of a more seamless design that blends the fuselage into the tail wing. This connection technique further reduces drag, enables precise angle tail adjustment and is rock solid.



RACE CONNECTED: TAPERED ELLIPTICAL MAST INTO FUSELAGE CONNECTION

Unique to F4 Racing Foil, the elliptical mast progressively tapers from its thinner edge to thicker core, eliminating weakness at the critical stress point on the front edge where the down-force hits the foil.

To connect fuselage to mast, we engineered a system using 3 stainless steel bolts molded into the carbon fibre. This design offers the most effective load transfer between mast and fuselage by eliminating the typical straight-edge, and also provides a stronger mast-to-fuselage connection compared to standard drilled carbon and cross-dowel system.

Product Set up

