
NEILPRYDE
RS:RACING
FLIGHTEVOIII

NEILPRYDE RACING PROGRAM

A milestone that declares the concentrated essence of NeilPryde. Sails with the best technology, speed, power and enhanced specifications, designed to let you experience the unexpected. Sails made to compete and win. Over 30 years of undisputed leadership in slalom and speed events didn't come by chance. It came from the hands and hearts of the best racers in the world, the best designers and top engineers.

At NeilPryde, we know how to bring them together and make the fastest sails in the world. Since we started the racing program in the early 1980's, the objective has always been the same: Create the fastest and most advanced sails yet, through continuous research, development and innovation paired with an insatiable appetite for speed.

The RACING range stands for countless wins on the water, wins that are based on the continuous efforts our team makes, to create the fastest and most advanced sails ever produced. The technology, ideas and concepts that are created and refined during the RS: Racing development process are our guiding design principles, ultimately applied to all of the sails in the NeilPryde range.

FOIL RACING. REDEFINED.

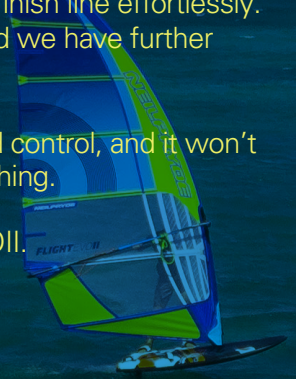
We are extremely excited to introduce the new Flight EVOII to the range. Experience foil racing like nothing before, thanks to the refined high aspect ratio of the sail.

The new 7-batten layout of the sail makes it lighter overall, and dramatically improves its handling especially during maneuvers, which is extremely important in foil racing.

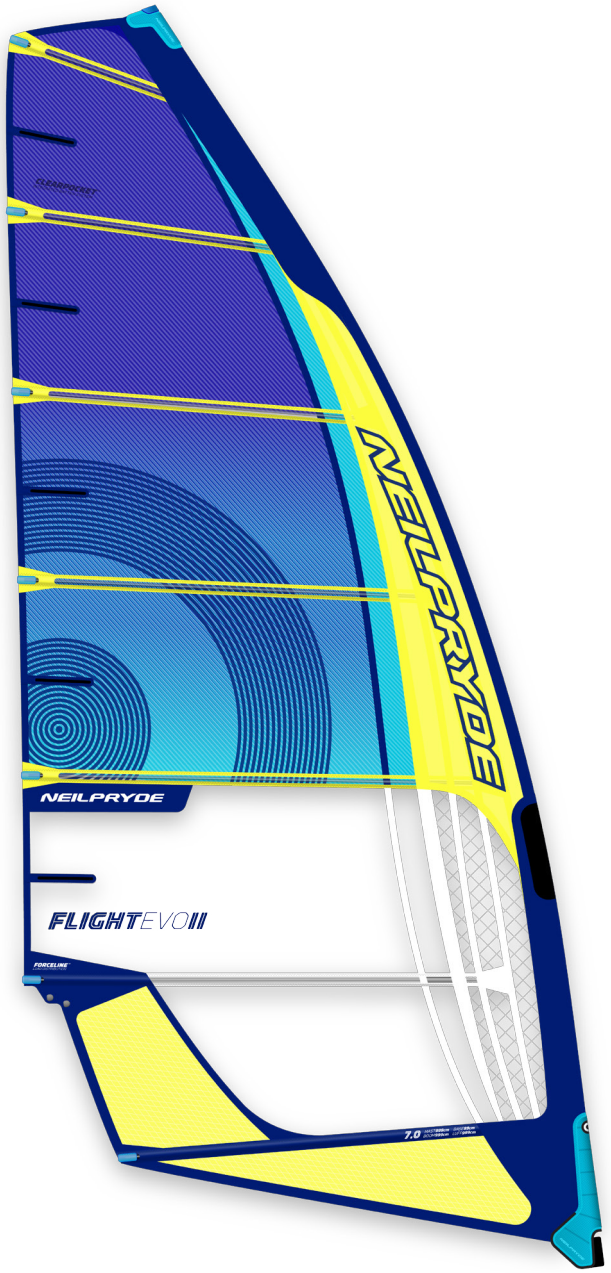
We made it our mission to equip and design this sail to be the must-have for foil championships and racers that seek nothing more than their next victory. This sail is an evolution of its predecessor, fully delivering on the high aspect ratio needed to speed through your next finish line effortlessly. The Flight EVOII comes in race-ready construction and we have further optimized the balance of speed and control.

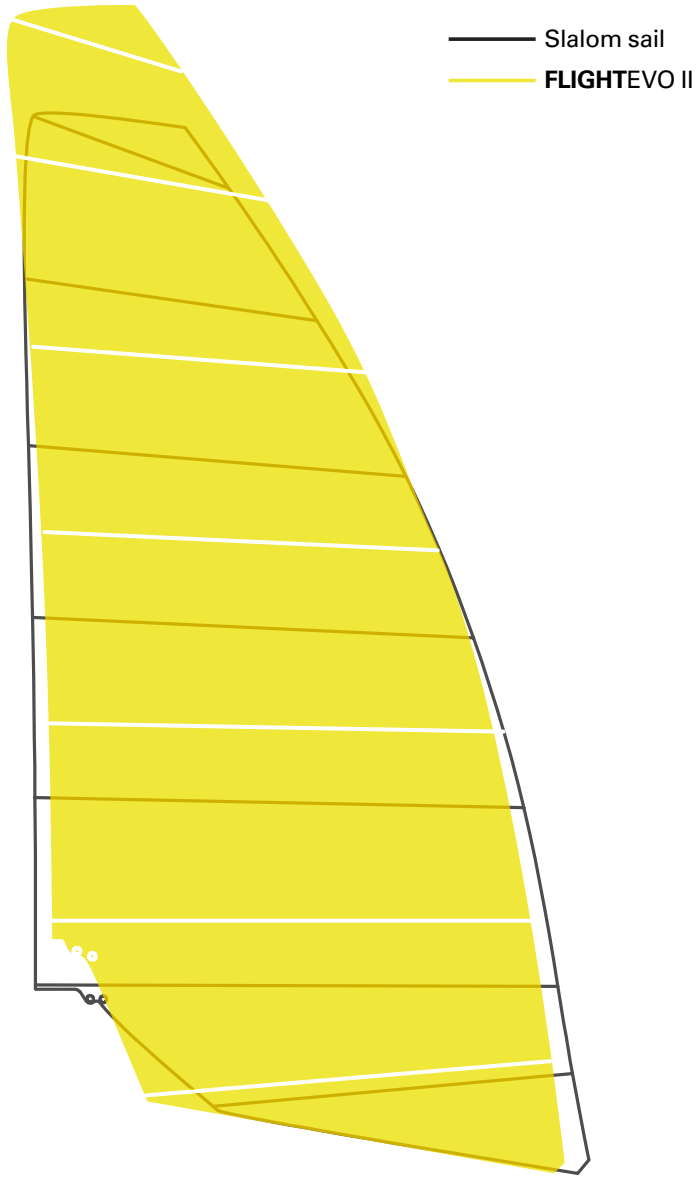
This sail has it all: speed, gracious design, stability and control, and it won't let you down, no matter if upwind, downwind or reaching.

Quench your thirst for speed with the new Flight EVOII.



SIZE	SDM/RDM	MAST	BASE	LUFF	BOOM	BATTENS	CAMS	WEIGHT/KG	PRODUCT CODE
8.0	SDM	520	6	525	210/217	7	4	5,5	B0SA29FLE001080
9.0	SDM	550/520	10/40	559	221/228	7	4	6,4	B0SA29FLE001090
10.0	SDM	550	58	608	227/234	7	4	6,75	B0SA29FLE001100





HIGH ASPECT RATIO DESIGN. REFINED.

Foiling requires a very precise technique as it is crucial that the position of the draft stays unchanged to keep the flight stable and uninterrupted.

The very high aspect ratio design of the sail adds efficiency, while keeping profile stability and this way dramatically improves the foiling experience. This specific design makes the sail's luff longer, therefore allowing for the boom to be shorter, which translates to more control.

HIGHER EFFICIENCY

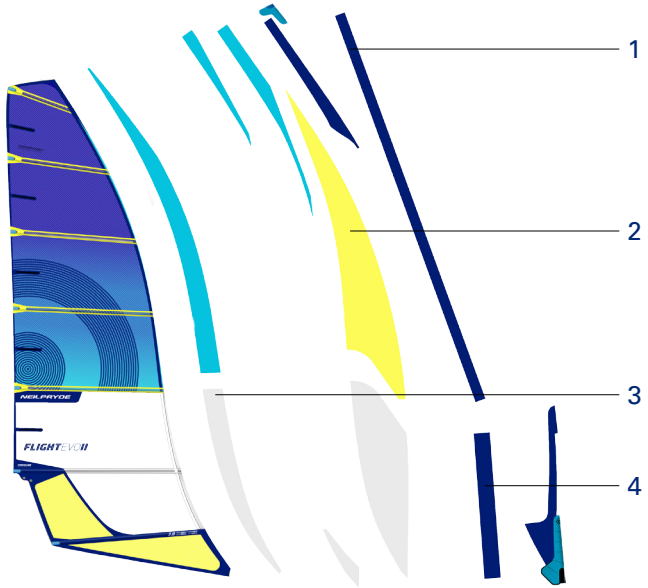
Lift is created by the leading edge. On a high aspect sail, the leading edge is much longer relative to the sail size and this extra lift creates a more efficient sail for the rider. One of the major drag components is the tip vortex. On a high aspect ratio sail this is relatively less compared to the overall sail size, hence the effect is minimized.

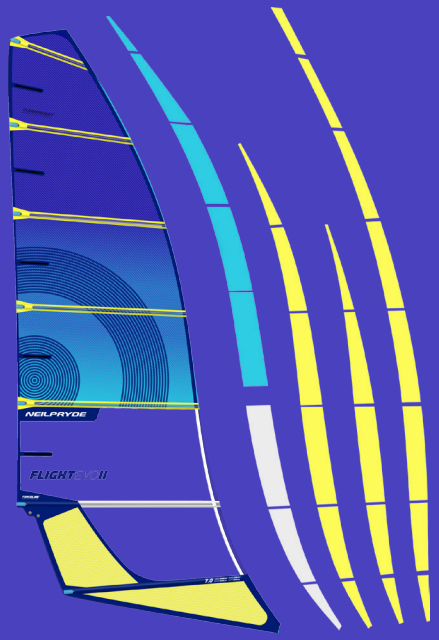
COMPONENT SLEEVE CONSTRUCTION.

Combining different materials in the sleeve sections allows us to achieve optimum profile entry stability and elasticity, smooth rotation and light weight.

By removing any stitching that could come in contact with the mast, we created a seamless leading edge. This increases precision during the assembly process, reducing weight at the leading edge and creating a perfectly clean profile entry to eliminate weak spots. The lightweight Tetoron™ upper-front section (**1**) offers the necessary elasticity and durability to resist direct mast contact. A low stretch Dyneema™ Armour Web section (**2**) can take high downhaul tension and is critical in stabilizing the profile entry, providing smooth bridging between the UltraCams. A tapered strip of Tetoron™ along the back edge of the sleeve (**3**) where it connects to the sail body is used to provide the necessary elasticity and durability.

The bottom part of the sleeve is finished in our durable and elastic Luff Glide material (**4**) allowing for smooth rotation.



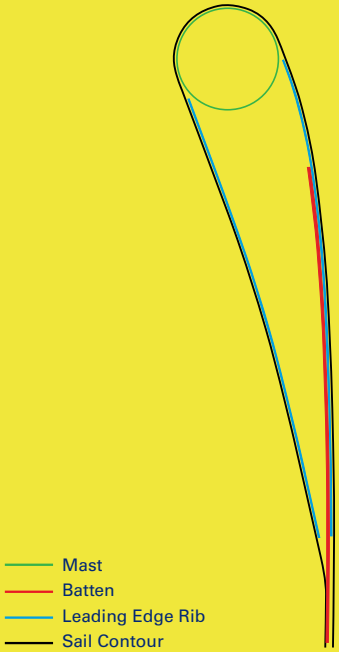


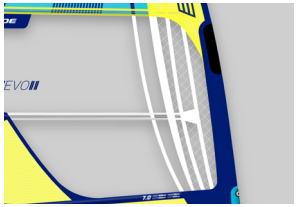
QUADRUPLE LUFF PANEL LAYOUT.

The Flight EVOII features four continuous, durable, stretch-resistant and lightweight luff panels that carry most of the sail body shaping. This configuration stabilizes the critical section draft position while providing an increased film thickness proportional to downhaul load distribution. Continuous panels eliminate horizontal seams crossing the highly loaded leading edge, which increases response of the sail. Introducing this stable leading edge platform allows very high downhaul loads and integrated clear pocket construction.

LEADING EDGE RIB.

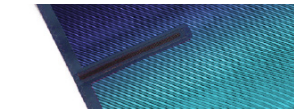
Carbon ribs sewn onto the upper sleeve's leading edge stabilize this critical section of the profile on the highest battens where cambers are not used. This helps maintain the sail's profile clean, reducing drag, allowing higher top speed and ensuring proper rotation.





CLEAR WINDOW IN MAST SLEEVE

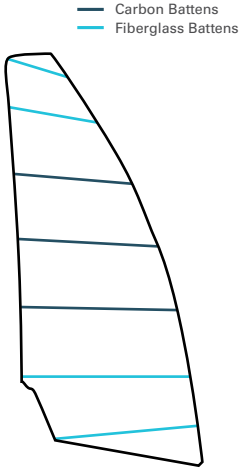
Clear window in the mast sleeve for better visibility during racing. Especially when arriving to the first buoys. This was the most required feature from our team riders to improve racing.



CARBON LEECH MINI BATTENS

Provide maximum support with minimum weight.

CARBON COMPOSITE BATTENS



Carbon tubes are placed in the central section of the sail body, adding extra stability and preventing the profile from moving back. The lightness of carbon battens minimize the swing weight which increases the reflex of the leech which is something really unique in our sail.
Starting from the Top; #3 (Single RDM Carbon tube) #4 and #5 (Precision Tapered CNC 2-piece Carbon tube).
Besides the Carbon tubes in the central section of the sail, additional Fiberglass tubes offer extra durability in areas more exposed to crashes.
The progressive flex creates a deeper profile, essential in generating low end power and upwind performance.
Starting from the Top; #1 - #2 (Single RDM Fiberglass tube) - #6 - #7 (Precision Tapered CNC 2-piece Fiberglass tube).

VISUAL TRIMMING SYSTEM

Downhaul tension guide. Max. and Min. Recommended leech release points. Located on the upper leech between battens #2 and #3.

AERODYNAMIC BOOM CUTOUT CLOSURE

Prevents the apparent wind from blowing into the mast sleeve and generating drag.

KEVLAR BATTEN BRIDGES

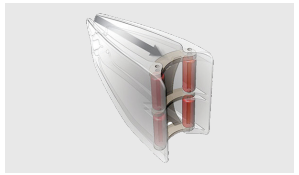
To distribute the high downhaul load crossing the battens.

DUAL BOOM LENGTH COMPACT CLEW

Has been slightly improved and redesigned to avoid contact of sail edge body with the boom. Outer and inner clew position straight alignment. Retains same clew height and boom to mast rake on both clew positions, reduces weight and prevents rear part of the foot touching the water when jibing.

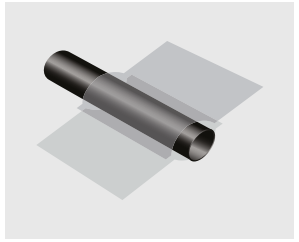
LOOPSTERS

Allowing easy rigging through loop to loop system and optimized adjustable outhaul function that reduces the friction and eliminates any crossing lines (crucial when using adjustable outhaul system).



ULTRACAMS

Suspended camber system improves sail rotation and acceleration out of jibes. Simultaneous tuning of battens and cambers makes sail tunable for different mast diameters and camber pressure.

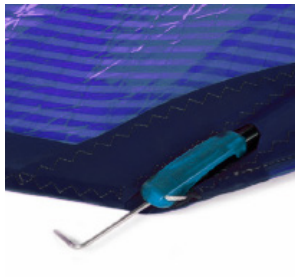


FUSE POCKETS

Overlapping body panels create a sleeve for battens, eliminating the need for traditional, separate batten pockets.
This saves on unnecessary weight, simplifies construction and creates a fully symmetrical batten cavity, delivering a fully equal sail on both tacks.

BATTEN CHAFE PROTECTION

Abrasion resistant PU print to help protect the battens from damage caused by rigging or boom contact.



BATCAMS

Batten tensioner system allowing precise tuning and secured positive locking without the need for tools. Starting from the Top: #1 - #2 - #3 (Mini lightweight Batcams combined with tension adjuster set), #4 - #5 (Batcams combined with tension adjuster set) and #6 - #7 (Batcams combined with tube screw adjuster and Allen key for an extra tension system).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