



NEILPRYDE

**RS:RACINGEVOX**

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# **ONCE A BENCHMARK, ALWAYS A BENCHMARK.**

**RS:Racing — a mark that declares the concentrated essence of NeilPryde. Sails with the best technology, speed, power and enhanced specification, designed to propel you across new boundaries. Sails for riders who only play to win.**

**Over 30 years of domination in slalom and speed events didn't come easily. It came from the hands and hearts of the best racers in the world, the best designers and top engineers. We know how to bring them together and make the fastest sails in the world.**

**Since we started the racing program in early 1980's, the objective has always been the same: research, development and innovation with a no-compromise approach to designing sails that offer the best possible performance on the race course.**

**The technology, ideas and concepts that are created and refined during the RS:Racing development process are ultimately applied to all of the sails in the NeilPryde range.**

**NeilPryde's race sails have been the dominant force in windsurf racing and speed for the past 30 years with numerous world, speed, PWA, Euro Cup and continental championship wins to their credit. Think Ken Winner, Pascal Maka, Fred Haywood, Bjorn Dunkerbeck, Anders Bringdal, Antoine Albeau and Sara-Quita Öffringa — all legends with numerous titles and records to their name. All made possible by years of development, countless hours of testing and a bit of magic from designer Robert Stroj and the NeilPryde Dream Factory.**

**The RS:Racing EVOX marks a decade of evolution in NeilPryde's EVO series and the 17th sail borne from the RS:Racing program.**

**We can't wait to see what you do with it.**

# RS:RACING Legacy



**PWA Slalom Men**  
World Championships



**PWA Slalom Constructor**  
World Championships

*I have been working on the RS:Racing program for many years now with Robert Stroj and those sails helped me to win many world titles and break records. The new EVOX is just incredible, it is the most exciting improvement yet — I can't wait to get it on the race course.*

— Antoine Albeau



**World Speed Records**  
2015 / 2012 / 2008

**Top Speed:**  
54.17kts on the 500m course



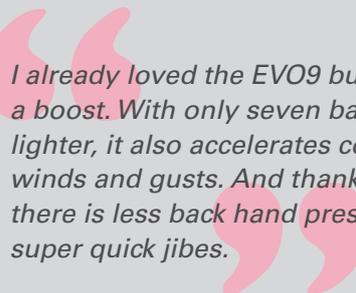
**PWA Slalom Women**  
World Championships



**Formula Windsurfing Men**  
World Championships



**PWA Slalom Men Vice**  
World Championships



*I already loved the EVO9 but the new EVOX is such a boost. With only seven battens it's not only much lighter, it also accelerates continuously in light winds and gusts. And thanks to fast cam rotation, there is less back hand pressure while allowing super quick jibes.*

— Sarah-Quita Offringa



**PWA Overall Constructor**  
World Championships



**Formula Windsurfing Women**  
World Championships

# EVOX

The all-new RS:Racing EVOX simply revolutionizes how a racing sail is built: ground-breaking Airflow Batten Layout places battens parallel to the airflow when sailing, reducing drag and improving acceleration and speed. The resulting seven-batten design allowed us to dramatically drop the sail weight and speed up rotation while holding on to stability. EVOX is further charged with reactive leech opening and handling, updated progressive aspect ratio, cleaner panel layout doing away with the unnecessary and four UltraCams. Welcome to the future of fast.



Size	Luff	Boom	Base	Weight/kg	Battens	Cams	Ideal Mast	Top Finishing	Code
5.2	396	165-171	26	4.72	7	4	370RDM	Fixed Head	BNPRE1000001052
5.6	410	172-178	10	4.95	7	4	400RDM	Fixed Head	BNPRE1000001056
6.4	434	182-188	4	5.18	7	4	430	Fixed Head	BNPRE1000001064
7.0	456	192-198	26	5.46	7	4	430	Fixed Head	BNPRE1000001070
7.8	481	202-208	22	5.75	7	4	460	Fixed Head	BNPRE1000001078
8.6	505	212-218	16	6.06	7	4	490	Fixed Head	BNPRE1000001086
9.4	526	226-232	6/36	6.36	7	4	490/520	Fixed Head	BNPRE1000001094
10.0	555	251-256	36	7.30	9	5	520	Fixed Head	BNPRE1000001100
11.0	577	268-273	28	7.70	9	5	550	Fixed Head	BNPRE1000001110
12.2	602	285-290	52	8.10	9	5	550	Fixed Head	BNPRE1000001122

## TECHNOLOGY



DUAL BOOM  
LENGTH  
C/CLEW



AIRFLOW  
BATTEN LAYOUT



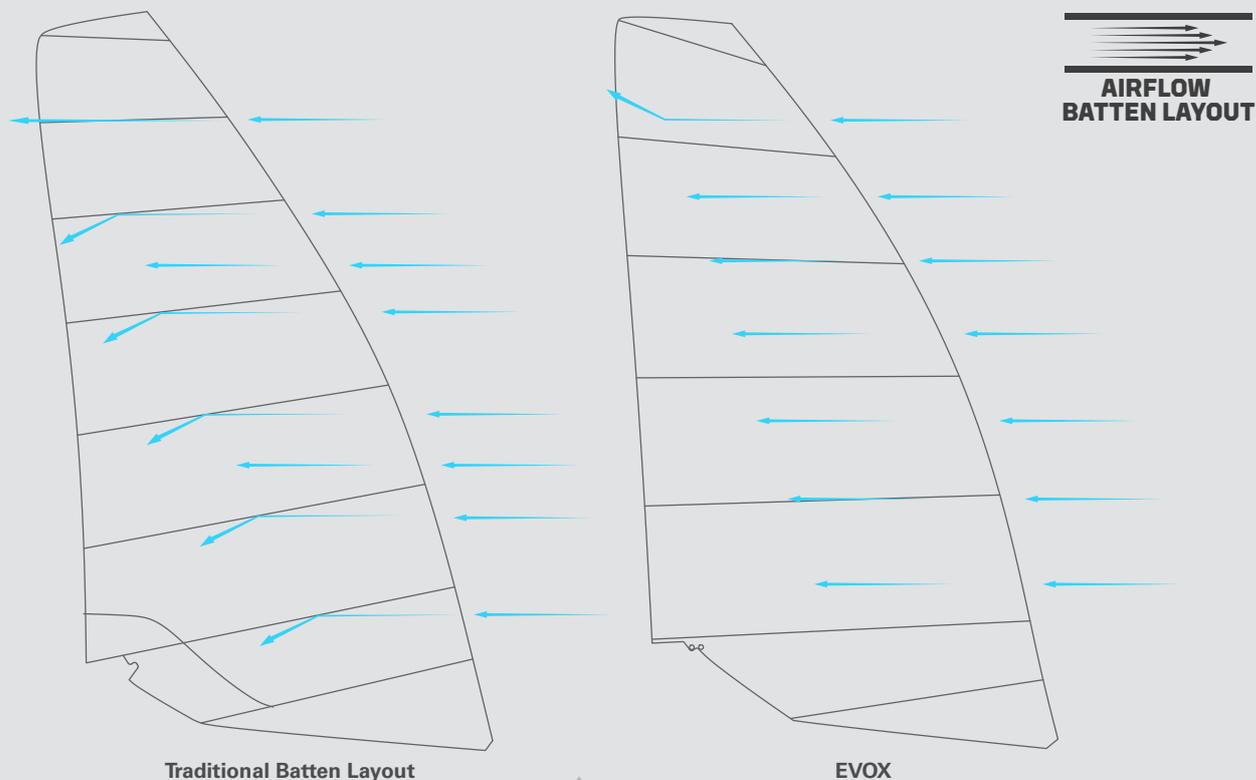
FUSE POCKETS



FORGE LINE  
PANEL



# Highlights



Traditional Batten Layout

EVOX

## AIRFLOW BATTEN LAYOUT

Battens are laid out angled up from the mast and, as a result, they end up laying horizontal and parallel to the airflow when sailing. This cleans the airflow along the sail body and reduce drag. This innovative concept allowed us to reduce the design from eight to seven battens by extending the total length of each batten.

### More Acceleration

Clean airflow along the sail body reduces drag. Combined with the new leech twist, the sail reacts to every gust and pump, opening instantly to gain that moment of pure acceleration. These improvements result in increased overall top speed.

### Better Stability

EVOX is incredibly stable, especially considering it is a seven batten racing sail. The angled batten design gives excellent support to the sail profile, leading the sail to feel far more comfortable through gusts.

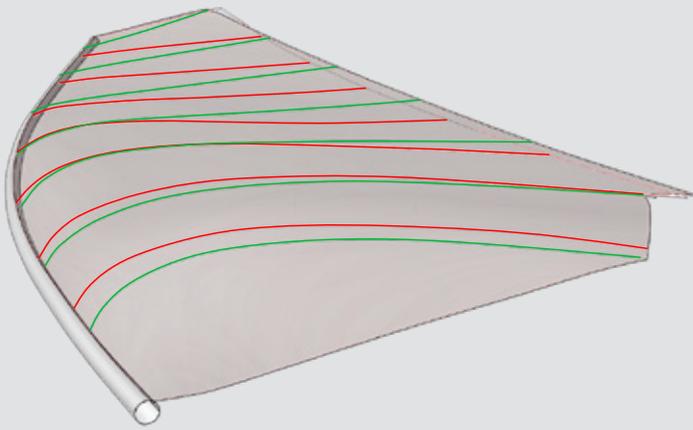
### Lighter Weight

The lightest RS:Racing sail ever developed. The weight was reduced by an average of 500g compared to EVO9 while maintaining strong construction and without reducing film thickness. Reducing from eight to seven battens as well as adjustments in the Quadruple Luff Panel Layout and clew construction add to the very significant weight reduction.

### Faster Rotation

Ease and speed of rotation was a top priority in the EVOX evolution. The elimination of one batten and the reduction of the profile in the rear of the sail in the boom area allows the rotation to start to "S-bend" in the back — like a freeride sail — and then smoothly progress through the front, to the UltraCams. Flipping the sail through rotation is much quicker and allows you to exit the jibe faster with greater stability.

# Highlights



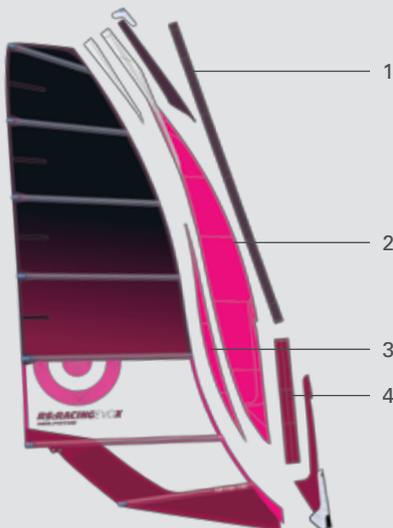
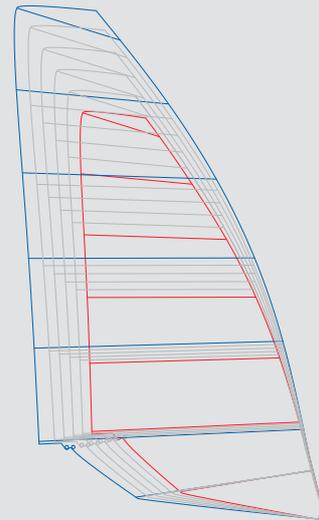
— EVOX — EVO9

## Twist Shaping Concept

Sail twist allows even more release than EVO9, so you feel like you have gained an extra gear. Even with just seven battens, EVOX opens instantly, gaining that moment of acceleration when going through a gust, feeling much more stable and preventing the center of effort from moving back in the sail. The result is reduced backhand pressure that gives smooth acceleration boosts in gusts.

## Progressive Aspect Ratio

Provides a specific functionality across different sail sizes. Higher aspect ratio in larger sizes (7.8 and up) reduces boom length, delivering light wind efficiency and improving maneuverability. Lower aspect ratio in smaller sizes (7.0 and down) keeps a longer boom helping to maintain top-end control and stability.



## 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. Lightweight Tetoron™ upper-front section(1) offers the necessary elasticity and durability to resist direct mast contact. A low stretch Dyneema™ ArmourWeb section(2) can take high downhaul tension and is critical in stabilizing the profile entry, providing smooth bridging between 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 in this area together with improved durability. The bottom part of the sleeve is finished in our durable and elastic Luff Glide material(4) allowing for important smooth rotation.

# Highlights



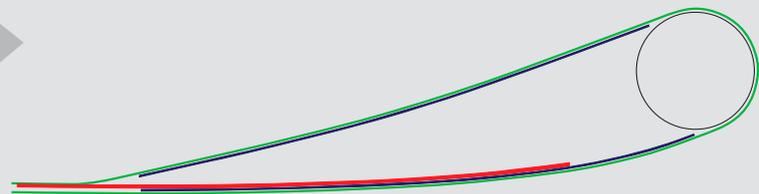
## Quadruple Luff Panel Layout

EVOX 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

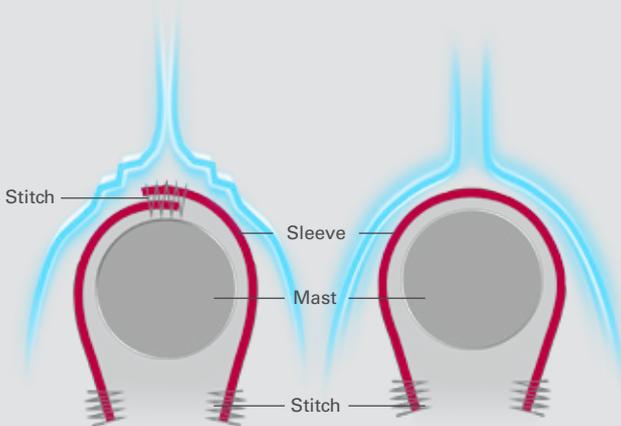
Carbon ribs sewn onto the upper sleeve's leading edge stabilize this critical section of the profile on the highest battens where cambers are not used. This helps maintain the sail's profile clean, reducing drag, allowing higher top speed and ensuring proper rotation.

- Mast
- Batten
- Leading Edge Rib
- Sail Contour



## Traditional Construction

## EVOX



## Seamless Leading Edge

Removing any stitching that could come in contact with the mast. This increases precision during the assembly process, reducing weight at the leading edge and creating a perfectly clean profile entry to eliminate construction weak spots.



# Features



## Carbon Leech Mini Battens

Provide maximum support with minimum weight.



## Kevlar Batten Bridges

To distribute the high downhaul load crossing the battens.



## 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.



## Dual Boom Length Compact Clew

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.



## Batten Chafe Protection

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



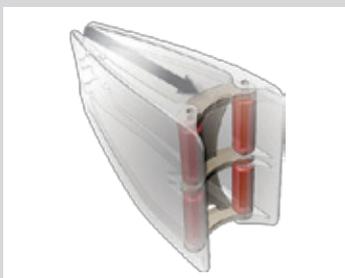
## Loopsters

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*).



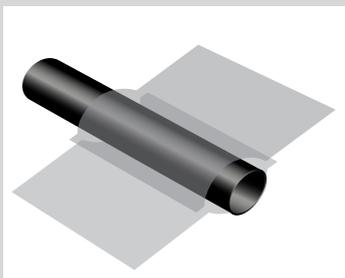
## Batcams

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*).



## Ultracams

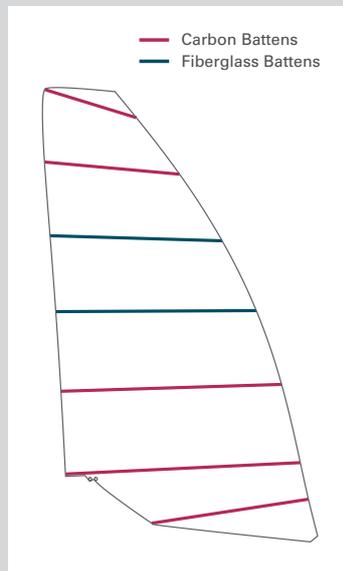
Suspended camber system improves sail rotation and acceleration out of jibes. Simultaneous tuning of battens and cambers makes sail tunable for different mast diameters and camber pressure.



## 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.



## Battsens

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*) and #5 - #6 - #7 (*Precision Tapered CNC 2-piece Fiberglass tube*).

Carbon tubes are placed in the central section of the leech, 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. Starting from the Top; #3 (*Single RDM Carbon tube*) and #4 (*Precision Tapered CNC 2-piece Carbon tube*).