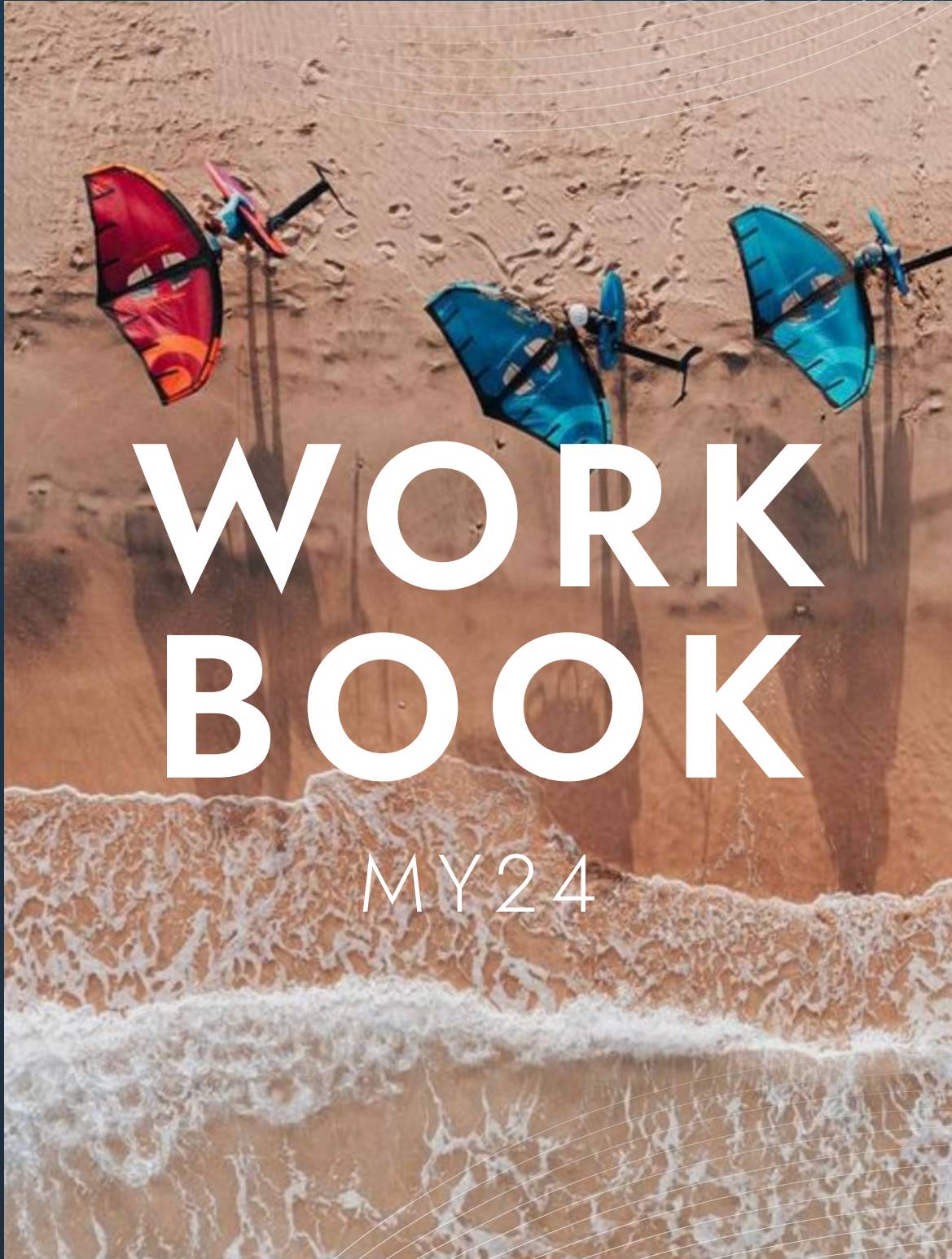


NEILPRYDE

WING



WORK BOOK

MY24

VERSION 2 OKTOBER 23

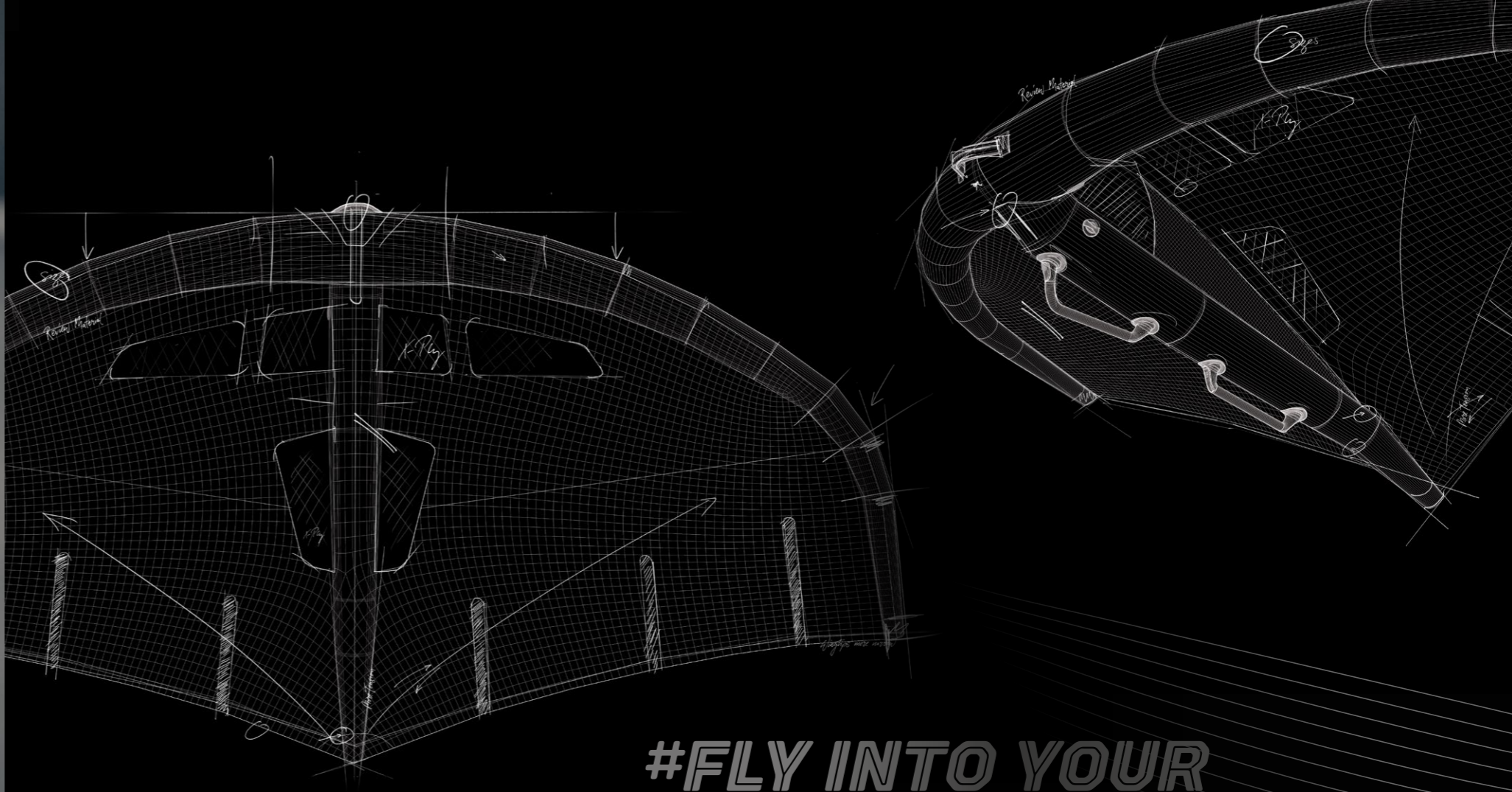
NEILPRYDE.COM



NILS ROSENBLAD

LORD OF THE FLY'S

Nils Rosenblad, head-designer of NeilPryde's windsurfing department in the 90's is back in the design team for a very special ♥-project: our first Wing. After years in the Americas Cup it was time to come back to the roots...



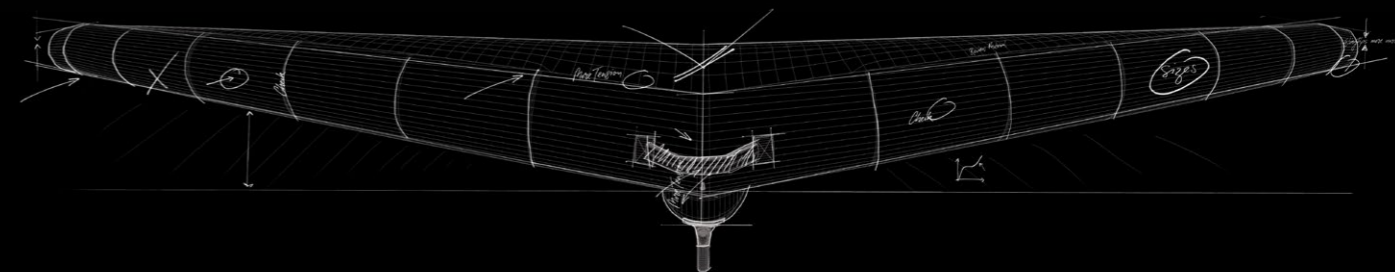
#FLY INTO YOUR NEXT CHAPTER!

We know we'll never outrun evolution. However, the NeilPryde ethos has always been committed to the best engineering humanly possible. To performance, innovation and top quality, long lasting products. After 2 years of development, we were confident that we've pushed the boundaries of what's possible again with the first NeilPryde Wing last year. Now, one year after the invention of the first FLY, we achieved some additional development goals and can announce the revised and further improved models FLY II PRO and FLY II.

The development of the FLY concept has been based on using the most proven materials, examining the technical development of wingfoiling down to the smallest detail and adjusting all the set screws.

With Nils Rosenblad - former NeilPryde sail designer and Americas Cup foil engineer - and our entire design team dedicated to this project, the first NeilPryde wing introduces several unique features and innovations.

The whole is greater than the sum of its parts and many of these small technical innovations, not at all visible at first glance, that make the difference here. Born from the unconditional view of the Wing from the perspective of an engineer, sailmaker, and flow expert. It was clear from the beginning that we didn't want to look at a Wing as a kite without lines, but had to adapt all design features to the specific requirements of a high performance Wing.



THE NEILPRYDE FLY CONCEPT

MADE IN GERMANY

SEPARATED AIR CHAMBERS

Fly II & Fly II Pro

The partition adds safety, increases the Leading Edge stiffness and allows the wing to be deflated more quickly.

Fly II & Fly II Pro

HIGH QUALITY BLADDER WITH ANTI-TWIST SYSTEM

Fixing the bladder on different spots in the tube prevents it from twisting and therefore protects it from breaking when inflating. It also makes changing the bladder super easy.

Fly II & Fly II Pro

X-PLY WINDOWS

Dyneema X-Ply for the optimum balance between visibility, light weight and structural integrity. The windows have been redesigned and repositioned to improve visibility.

ALUULA AERIS & ALUULA AERIS X

for exceptional strength, durability and less weight
More details: Page 6

Fly II & Fly II Pro

DIHEDRAL FRONT PROFILE

Allows higher aspect ratios and increases performance.

Fly II & Fly II Pro

VENTED STRUT

Allows the pressure to equalize across the two sides of the wing

MODIFIED DELTA PLATFORM

Creates a more efficient LE shape and an elliptical spanwise lift distribution for better upwind performance and control.

Fly II & Fly II Pro

LOW DRAG WINGTIPS WITH LINEAR WASHOUT

This improves low end acceleration during pumping as well as control when powered up.

OUR UNIQUE HANDLES

PRO Version now with Carbon

More details: Page 7

Fly II & Fly II Pro

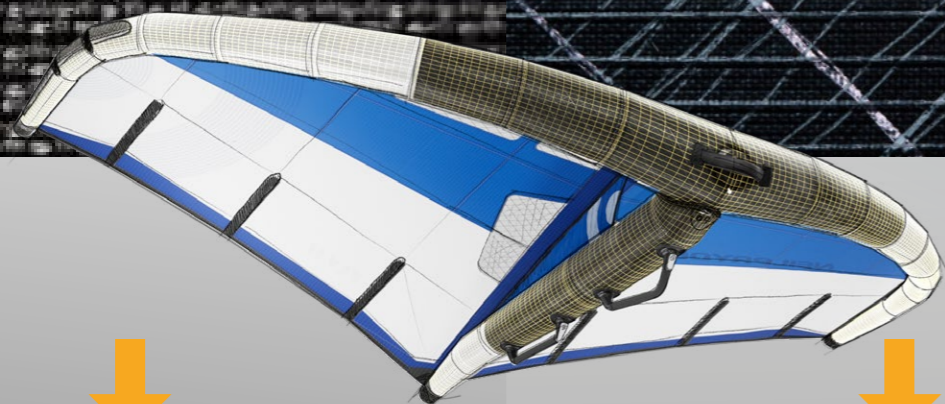
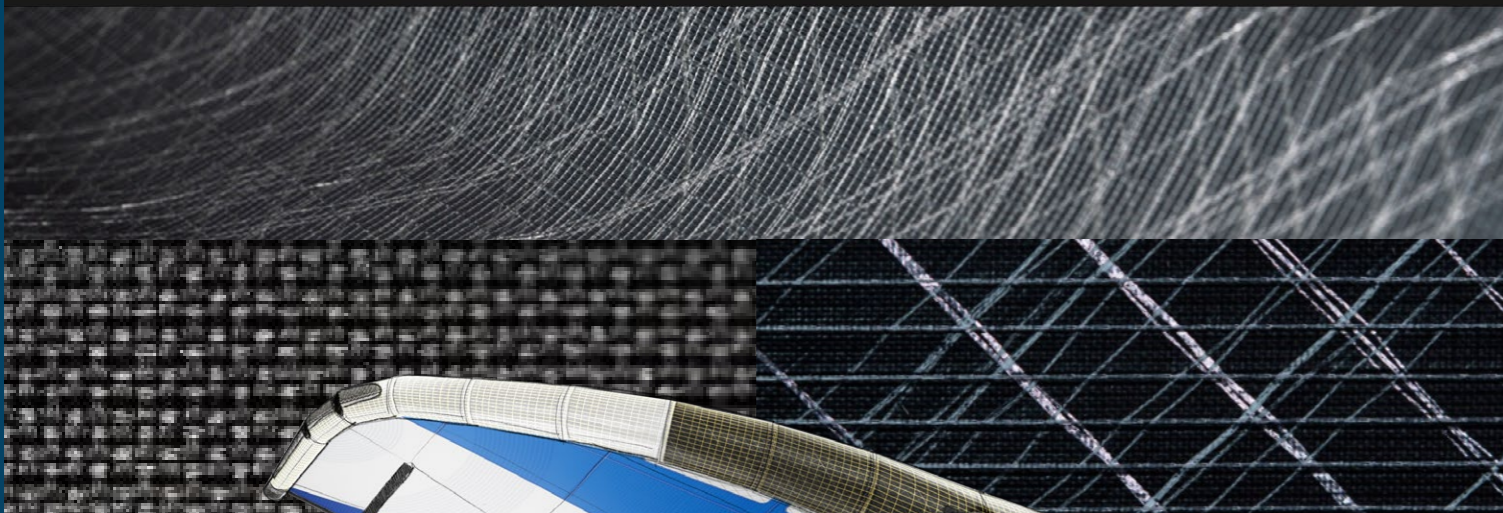
BOUNDARY PANEL ON CANOPY PERIMETER

The canopy structure is reinforced with a tough high tenacity rip stop frame for maximum strength and durability.

Fly II & Fly II Pro

LIGHT AND FLAT COMPOSITE BATTENS

HIGHLIGHTS FLY II PRO



ALUULA AERIS X

Exceptionally strong, durable & balanced fabrics.

Using the same patented ALUULA Fuse™ process as the structural fabrics, ALUULA Aeris X™ fabrics feature additional reinforcement on the bias that delivers an exceptionally balanced performance for applications such as kite and wing canopy, and sails.

Aeris X™ fabrics are typically 20-50% lighter than incumbent fabrics, yet are 3-4 times stronger and 6 times better in tear resistance. After 800 hours of simulated UV exposure, Aeris X™ is 6 times stronger and has a staggering 64 times higher tear strength than incumbent canopy/sail fabrics.

ALUULA AERIS

Exceptionally durable & ultralight

Built using the same ALUULA Fuse process as the more structural fabrics, the ALUULA Aeris™ family combines the unmatched strength performance of the ALUULA Core™ along with the toughest and strongest ultralight films available, resulting in a softer hand feel but unrivaled strength, tear and abrasion characteristics.



BIAS STRENGTH
14 times higher bias strength than incumbent canopy and sail fabrics.



UV RESISTANCE
Vastly superior UV resistance compared to PU, Nylon or Polyester Textiles.



RECYCLING
Made from a single polymer.



WEIGHT
Lighter than nylon, polyester and aramid.



STRENGTH
Eight times the strength-to-weight ratio of steel.



RECYCLING
Made from a single polymer and recyclable.

Our Aluula materials can easily be repaired at home with an iron – FOR MORE DETAILS CHECK WWW.NEILPRYDE.COM



CARBON HANDLE TECHNOLOGY

RIGID TUBULAR HANDLES WITH PROPRIETARY BASE SYSTEM

Add amazing roll control and comfort while providing the perfect structure to add a harness line. With the introduction of the new carbon materials for 2024, the FLY II PRO features even lighter handles.

ERGONOMIC DESIGN

The handle bases integrate seamlessly into the strut, while the arc of the handle plane reduces fatigue and positions the wing at the optimum flight angle.

INTEGRAL IMPACT PROTECTION

The curved front handle has a bumper under the EVA grip to protect you and your board from impact.



DROP GRIP FRONT HANDLE

The vertical section on the forward handle lets the rider fly the wing further from his body for more efficiency, and further increases the wingtip clearance. It is also ideal for flagging and waveriding due to improved roll control over conventional flagging handles.

CALIBRATED HANDLE POSITIONS

The handles are equidistant from the center of effort on each wingsize for effortless balanced flight. The larger wings feature longer handles to give the rider hand position options to maximize power or reduce fatigue.

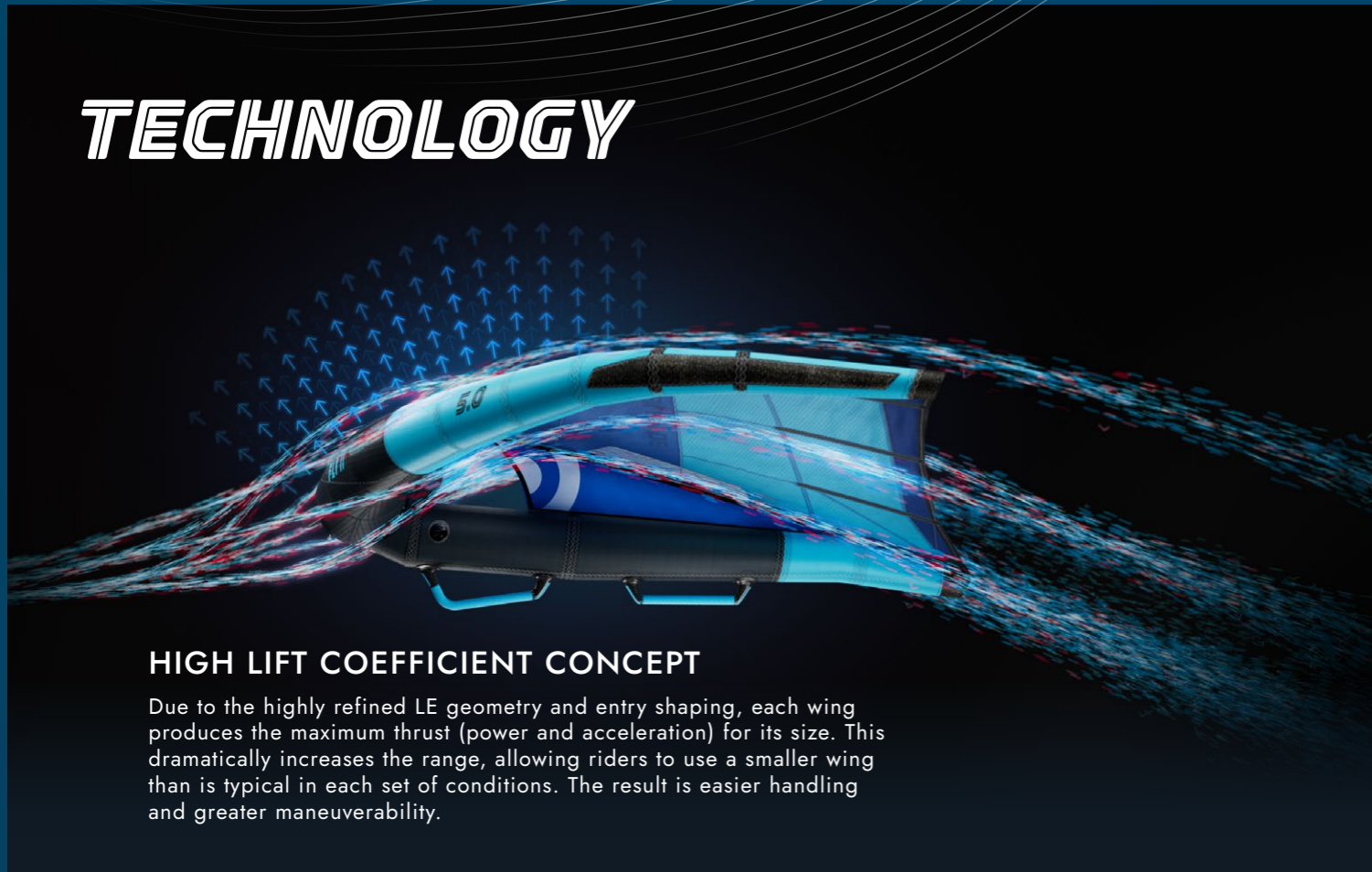


REDESIGNED X-PLY WINDOWS

NP X-Ply Windows with Structural Elements
2024 NeilPryde wings feature a dyneema X-Ply for the optimum balance between visibility, light weight and structural integrity. The windows have been redesigned and repositioned to improve visibility.

The new X-Ply windows are 80% lighter than the previously used standard PVC window material.

TECHNOLOGY

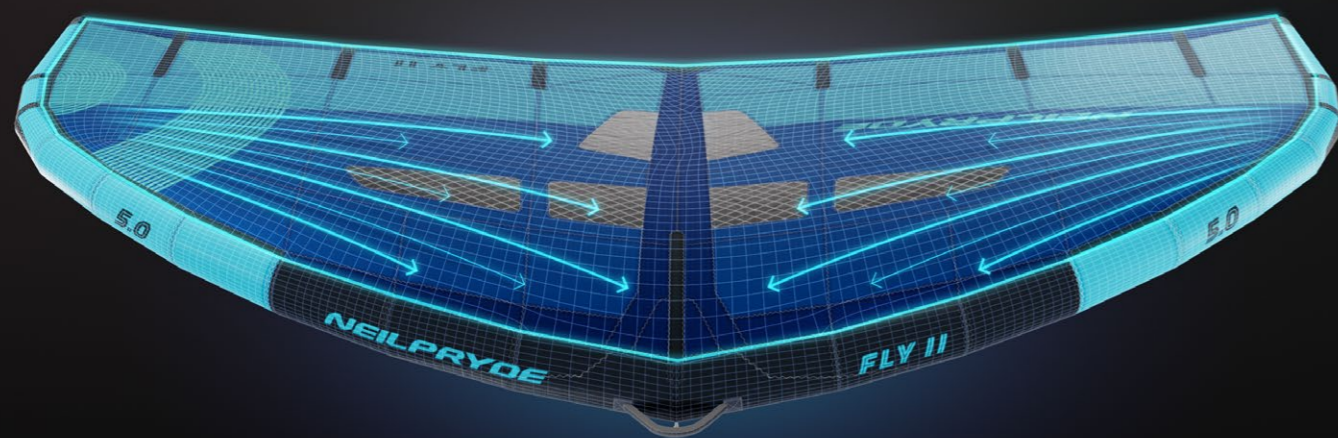
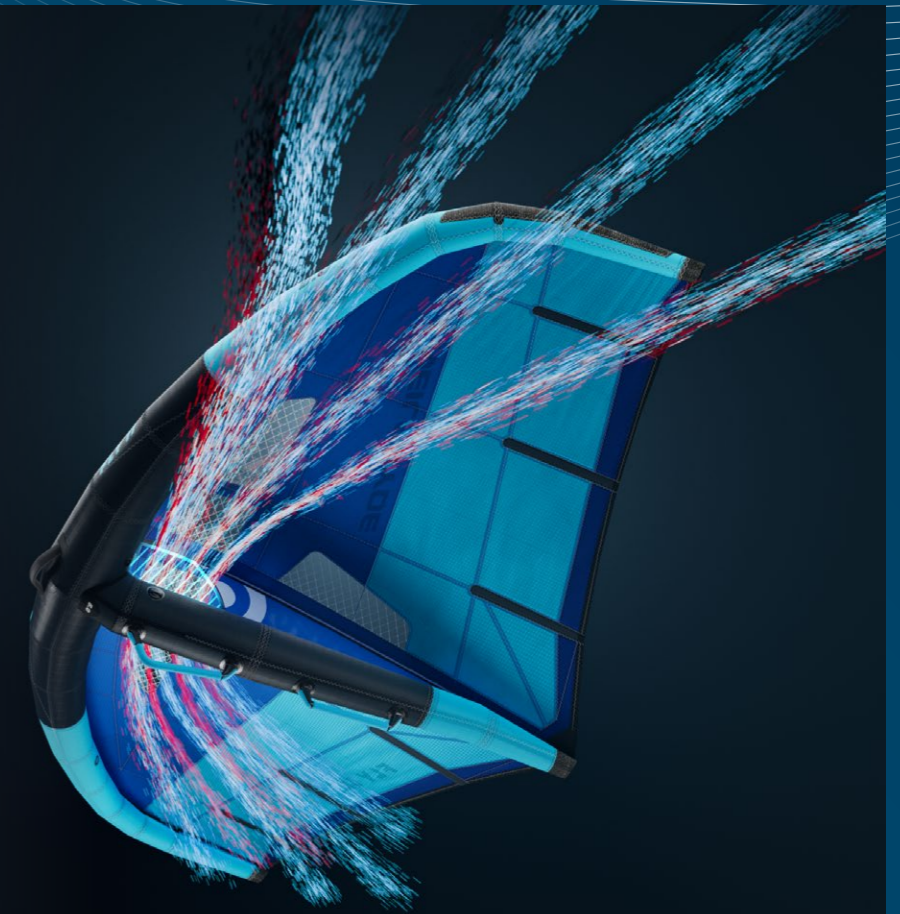


HIGH LIFT COEFFICIENT CONCEPT

Due to the highly refined LE geometry and entry shaping, each wing produces the maximum thrust (power and acceleration) for its size. This dramatically increases the range, allowing riders to use a smaller wing than is typical in each set of conditions. The result is easier handling and greater maneuverability.

VENTED STRUT

The large opening between the LE and the front of the fill panel (which connects the canopy to the strut) allows the pressure to equalize across the two sides of the wing. This improves overall performance and makes the wing even more stable.

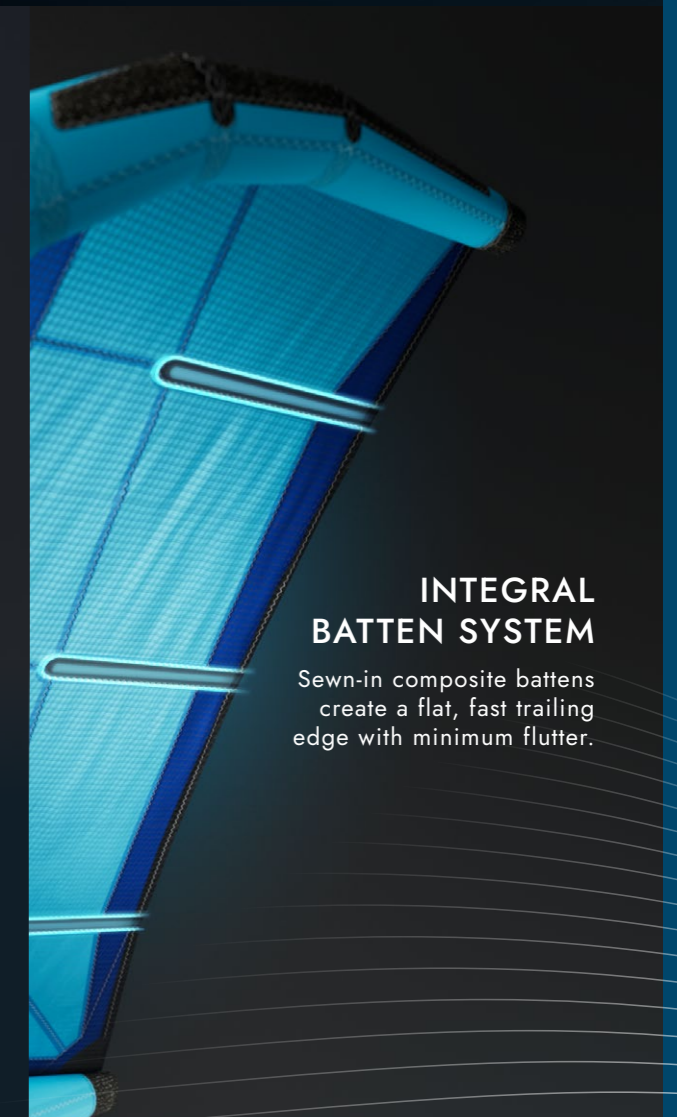
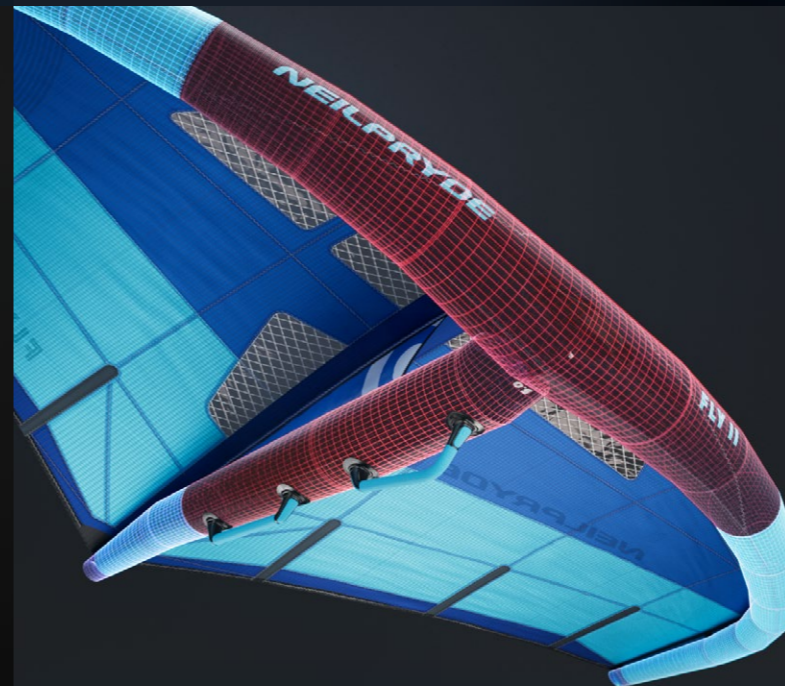


HIGH TENSION CANOPY WITH STRUCTURED CAMBER LENS

The 3D shape of the canopy leading edge is defined by a series of transverse panels that converge at the wingtips. This leverages the LE Tube structure to maximize tension in the critical entry sections – the result is more lift and a higher stall angle for better acceleration in light winds, and the ability to fly efficiently at low angles of attack for better control and higher top speeds in strong winds.

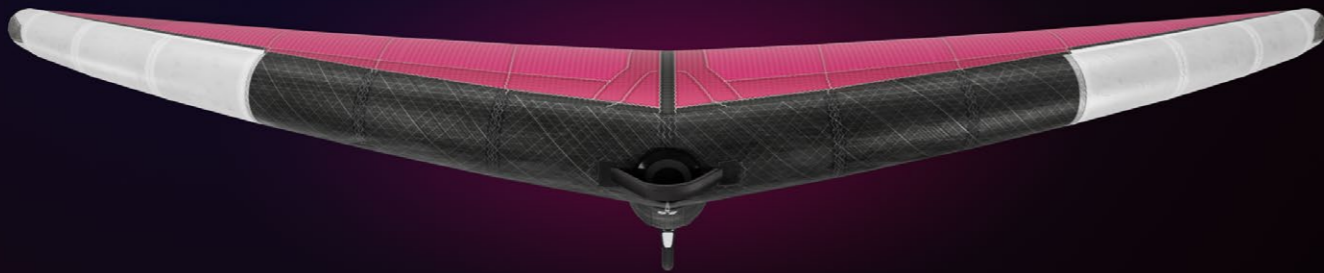
STAGGERED MATERIAL WEIGHTS ON LE

The use of an ultra-light, high-tenacity woven polyester at the wingtips and back of strut results in a very light 'feel' due to reduced swing weight. This improves overall performance and makes the wing even more stable.



INTEGRAL BATTEN SYSTEM

Sewn-in composite battens create a flat, fast trailing edge with minimum flutter.



HIGHLIGHTS

- LE with ALUULA AERIS X materials for strength and durability
- Wing Tips and end of Middle Strut with ALUULA AERIS materials – exceptionally durable & ultralight
- X-PLY Windows
- Carbon Handle



NEW

FLY II PRO

...CAUSE FLYING WILL NEVER BE THE SAME AGAIN!

The 2024 FLY II PRO is an innovative advancement of the first FLY edition from 2023. The shape itself was revised and received the similar updates just as the FLY II but was additionally equipped with premium quality and innovative materials for high performances and the best user experience on top.

Improvements to reach even more stability, stiffness, better handling and control were the base of all updates compared to the first FLY version. The FLY II PRO introduces Aluula Aeris X, which has a +/-45° X weave compared to normal Aluula, with Aeris lightweight wingtips, so the bias stiffness is a lot. This makes it possible, to have an even thinner and stiffer LE than ever. As the materials are made from a single polymer, they are recycling ready.

In general the handle weight has been reduced, the FLY PRO now features even lighter carbon handles with black EVA without texture, for a clean and technical look.

The sizes are carefully chosen - the half square metre increments of the Fly Pro are optimum for the more ‚pro‘ rider. From 3,5 to 6,5 - you can find your premium NeilPryde wing.

INCLUDED:

FLY II PRO Backpack, Pump Adapter, Bladder Repair Set

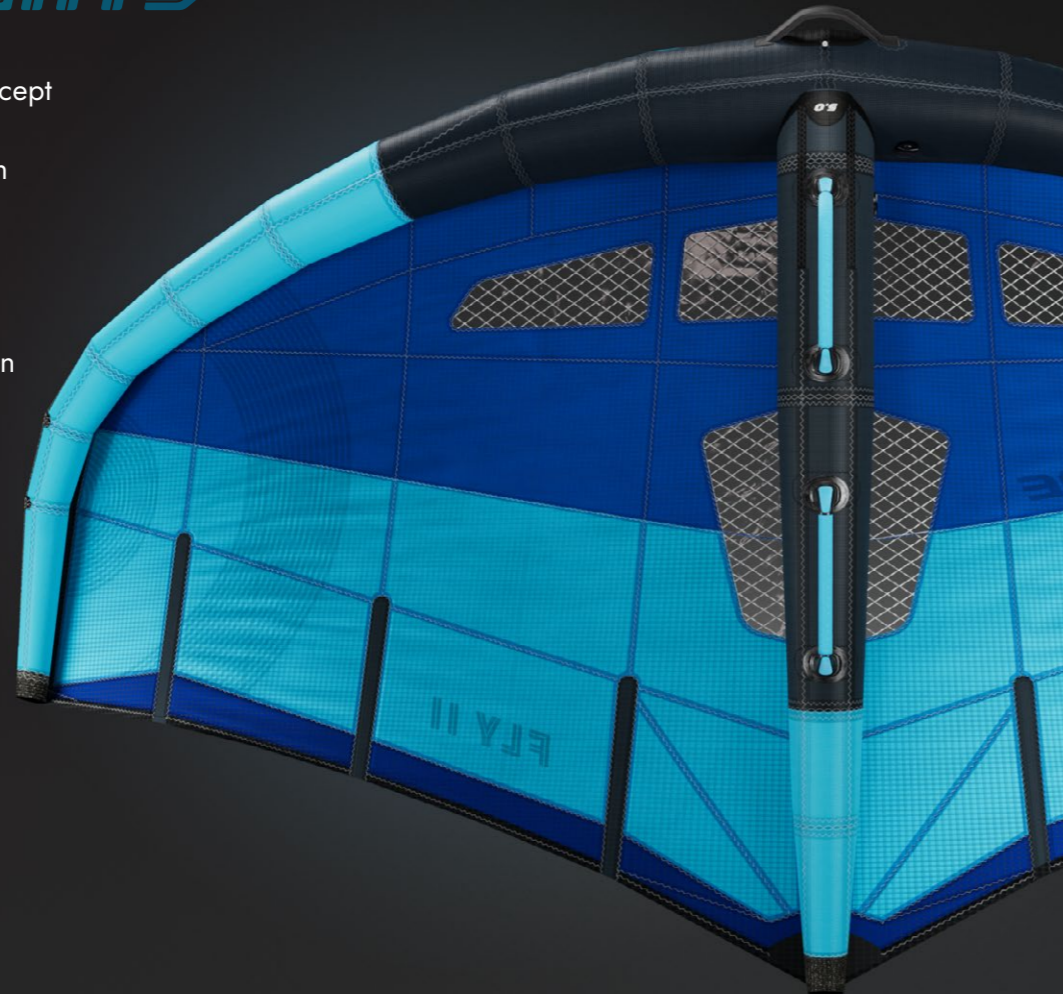


SIZE	COLOR	SPAN mm	STRUT mm	AR	WEIGHT kg	REC. LEASH LENGTH cm	CODE	SRP €*
3,5	C1 blue/white; C2 red/white	2990	1617	2,55	2,2	100	140040	
4,0	C1 blue/white; C2 red/white	3169	1697	2,51	2,3	100	140040	
4,5	C1 blue/white; C2 red/white	3330	1800	2,46	2,4	120	140040	
5,0	C1 blue/white; C2 red/white	3480	1928	2,42	2,5	120	140040	
5,5	C1 blue/white; C2 red/white	3642	2013	2,31	2,6	120	140040	
6,0	C1 blue/white; C2 red/white	3742	2157	2,33	2,8	140	140040	
6,5	C1 blue/white; C2 red/white	3890	2290	2,33	3,0	140	140040	



HIGHLIGHTS

- High Lift Coefficient Concept
- High Quality Bladder with Anti-Twist System
- X-PLY Windows
- Ergonomic Handle Design



NEW
FLY II
JUST FLY!

The 2024 FLY II is an evolutionary advance of the original that features new materials, even more advanced 3D flying shapes, and a host of details that increase performance and make the user experience even better.

Further following the unique high lift coefficient concept, it features an even stiffer airframe and a new twist profile for dramatically better handling and control at the top of the wind range. The canopy tension distribution, which was originally used from the design of a windsurfing sail, has been refined for better upwind speed and improved handling through upwind maneuvers. The dihedral front profile was updated by a re-sculpted front profile to make the wing more stable when sheeted in - especially important for riders using a harness. Additional LE segments at the wingtips further reduce drags while adding stiffness that allows the wing to point higher. The vented strut was updated as well by receiving an additional stiffener at the LE in the center - it makes the area ahead of the fill panel more stable and forgiving during tacks.

The FLY II is now made of 100% Teijin LE dacron, for an improved shape durance and fit. The trailing edge panels forward of the frame are made from Challenge Code 95 for exceptional stiffness and long lasting shape control. All windwos now feature a dyneema X-ply for the optimum balance between visibility, light weight and structural integrity. The windows have been redesigned and repositioned to improve visibility.

The numerous size options between 4.0 and 6.0 are unique to the Fly II, while simplifying the smaller sizes from 1.8 to 3.5 compared to the previous model makes choosing easy.

INCLUDED:

FLY II Backpack, Pump Adapter, Bladder Repair Set



SIZE	COLOR	SPAN mm	STRUT mm	AR	WEIGHT kg	REC. LEASH LENGTH cm	CODE	SRP €*
1,8	C1 blue; C2 red/orange				1,8	100	140041	
2,4	C1 blue; C2 red/orange				2,0	100	140041	
3,0	C1 blue; C2 red/orange				2,2	100	140041	
3,5	C1 blue; C2 red/orange				2,4	100	140041	
4,0	C1 blue; C2 red/orange				2,5	100	140041	
4,3	C1 blue; C2 red/orange				2,6	120	140041	
4,7	C1 blue; C2 red/orange				2,8	120	140041	
5,0	C1 blue; C2 red/orange				2,9	120	140041	
5,4	C1 blue; C2 red/orange				3,0	120	140041	
5,7	C1 blue; C2 red/orange				3,1	140	140041	
6,0	C1 blue; C2 red/orange				3,2	140	140041	
6,7	C1 blue; C2 red/orange				3,4	140	140041	

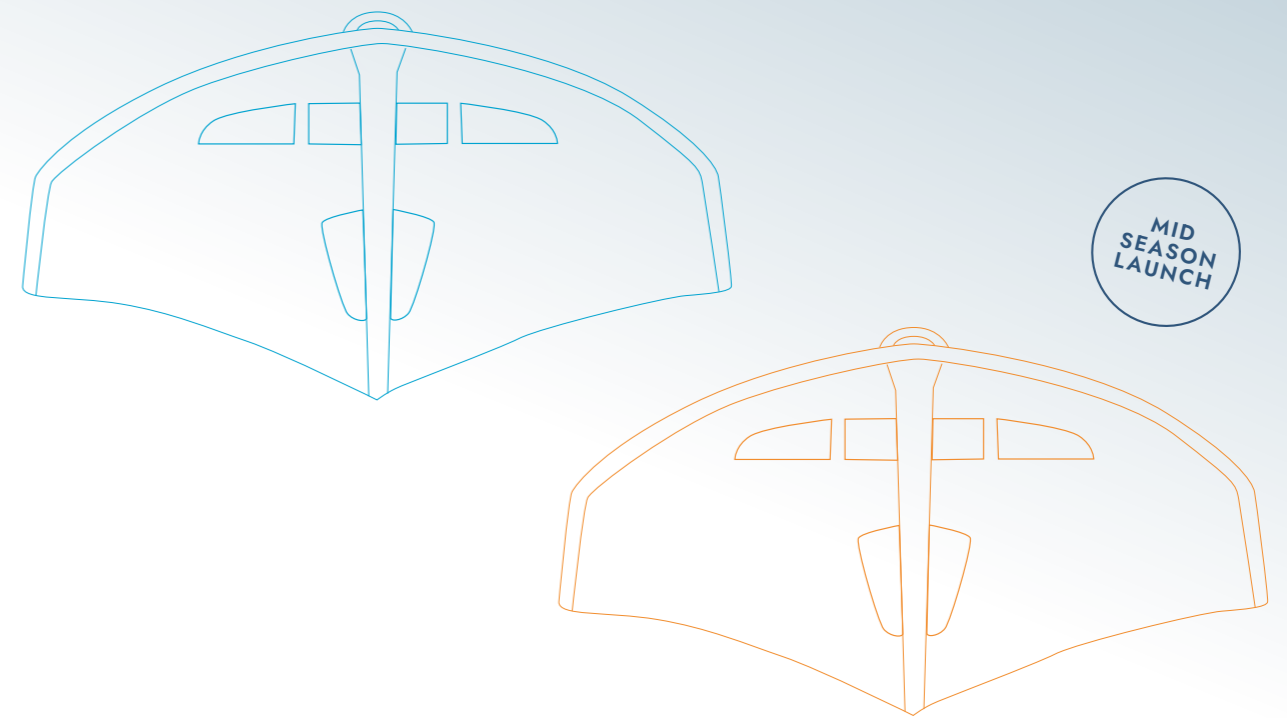
NEW

FLY II SL

XXXXX

XXXXX

FEATURES
FLY II SL



SIZE	COLOR	SPAN mm	STRUT mm	AR	WEIGHT kg	REC. LEASH LENGTH cm	CODE	SRP €*
7,0	C1 blue; C2 red/ orange							
8,0	C1 blue; C2 red/ orange							

WING ACCESSORIES

WING SPARE PARTS

prydegroup

WORK
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WING
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