

+

COLLECTION 2019 / 2020

+



TAAROA
HYDROFOIL

ADVANCING WITH TECHNOLOGY.

+

www.taaroa-hydrofoil.com

+

People often compare the
sensation of foiling with
flying...

**WHO DOESN'T DREAM OF
FLYING ?**





TAAROA is a French brand established in 2012, and one of the European leaders in the leisure-driven hydrofoil market

TAAROA has a clear objective: to propel an evolution in an industry that can sometimes seem inaccessible, by offering modular and high-tech products at a competitive price.

We focus on quality, performance, and durability when designing our products — some of which are under warranty for ten years. In our R&D process, we collaborate closely with a global expert in composite technology.

Through this partnership, we are able to integrate the best materials in our designs, therefore maximizing the rigidity and performance of our components.

In March 2019, **TAAROA** became part of FLY 4 ALL Group. Together, our renewed focus centers on maritime mobility and notably hydrofoil technology that caters to both professional and leisure markets.

We are a team of enthusiasts with varied backgrounds who share the same goal: pushing the limits of maritime mobility by using our experience to imagine new products, to develop increasingly more efficient foils, and to create technology that consistently pushes the boundaries of what was previously thought impossible.

Welcome aboard.

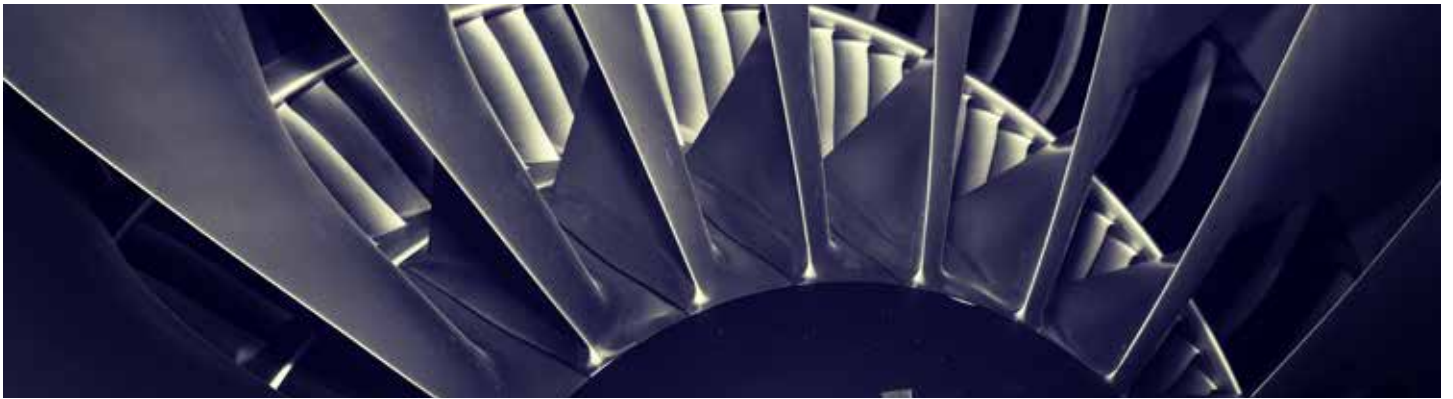
Corentin Legris, CEO





**MODULAR
DESIGN.**

All components of our foils are removable and compatible with either our kitefoil or windfoil range. This is our standard. It provides freedom for the customer to maximize their product lifetime and the ability to adapt according to navigation conditions or desired performance.



**INNOVATIVE
TECHNOLOGY.**

TAAORA is inspired by the design and manufacturing techniques mastered by other leading industries, like aeronautics and Formula 1. Accordingly, we manufacture our products with the same types of materials like titanium and Ultra High Modulus (UHM) carbon.

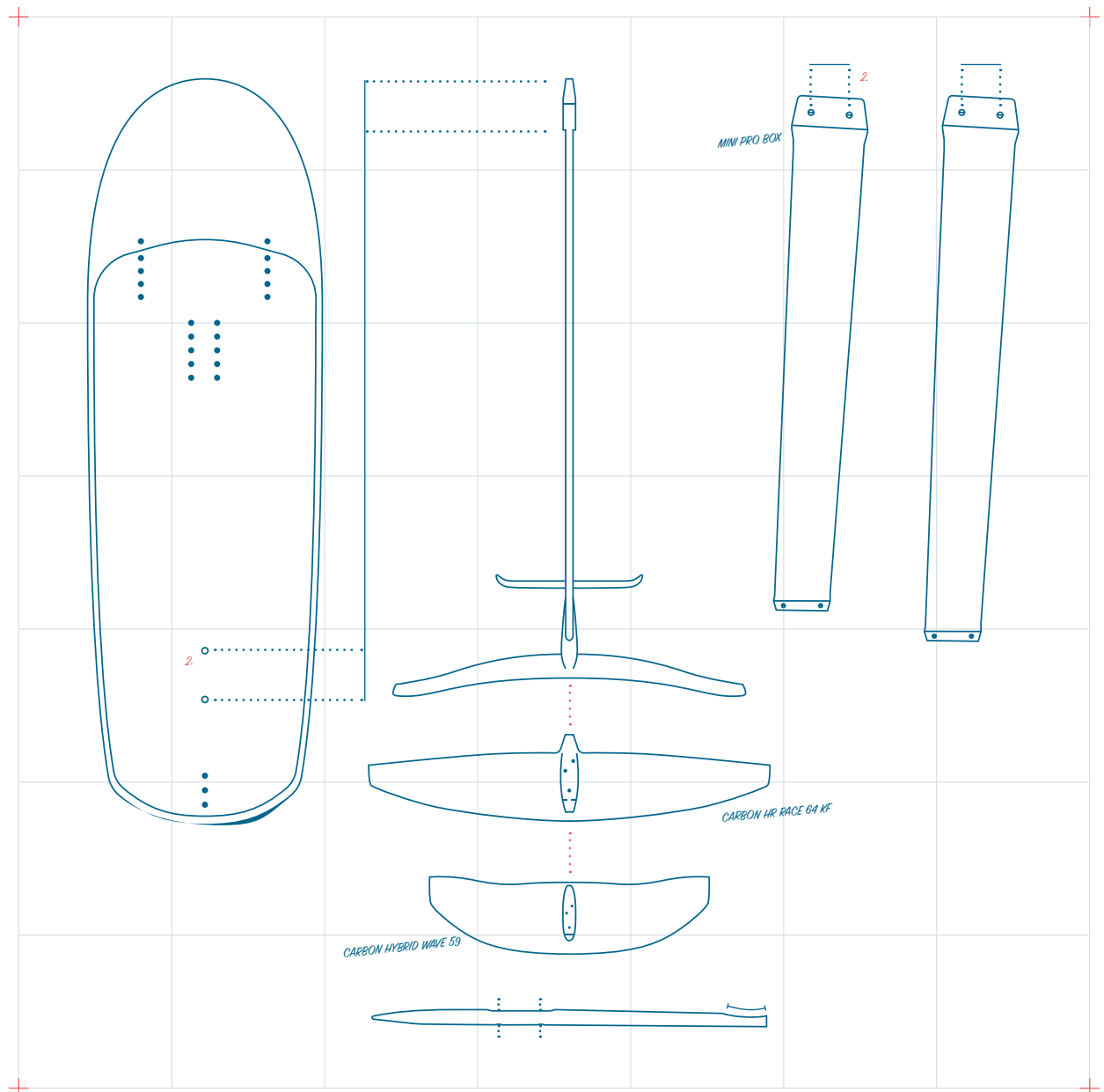


**UNPARALLELED
PERFORMANCE.**

TAAORA ensures an unmatched quality to price ratio in the leisure foil market through its close collaboration with a leading industrial manufacturer of composite materials.

Kitefoils

FOILS, BOARDS AND ACCESSORIES



ALL PRICES INCL. VAT

JOY 90

ALU

849 €

+

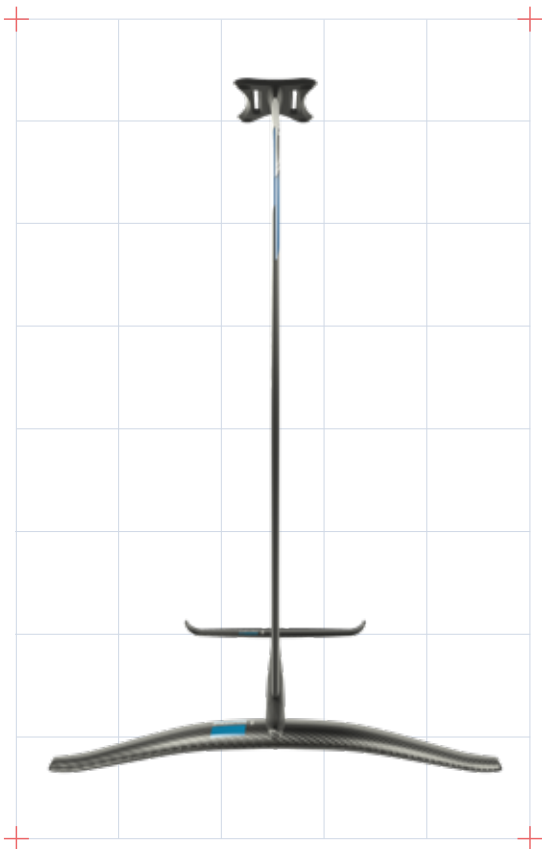
A highly adaptable foil that is perfect for beginners and performs well in all conditions.

The **JOY ALU 90** is equipped with the **ALUMINIUM 60** fuselage and **ALUMINIUM 90** mast. This combination provides good multi-directional rigidity and minimum drag.

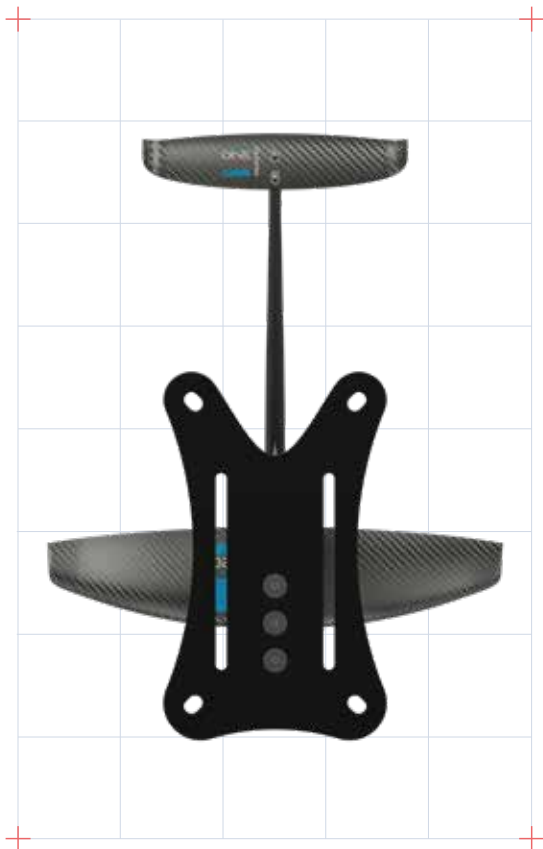
It is also equipped with the **CARBON HYBRID FREERIDE 62** front wing and **CARBON HR FREERIDE 34** stabilizer. Together they deliver versatility in all conditions and give eager riders the ability to learn airs.



DIMENSIONS



Height. 34 inches



Wingspan.35.4 inches

SPECIFICATIONS



FEATURES

	CATEGORY	FREERIDE
	MAX WEIGHT	Up to 220lbs
	COMPATIBILITY	JOY PRODUCTS

TECHNOLOGIES

RIDER LEVEL



JOY 90

CARBON

1 299 €



A foil offering maximum performance in all conditions, with the best quality to price ratio of the JOY range.

The **JOY CARBON 90** is the result of TAAROA's years of experience in manufacturing foils.

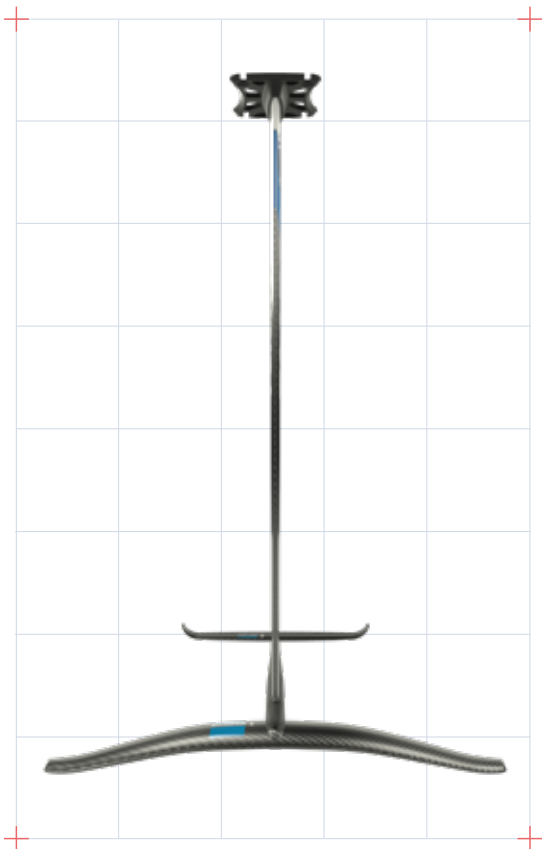
The **CARBON HR 90** mast and **ALUMINIUM 60** fuselage provide excellent rigidity, stability, and minimal drag.

It is also equipped with the **CARBON HYBRID FREERIDE 62** front wing and **CARBON HR FREERIDE 34** stabilizer.

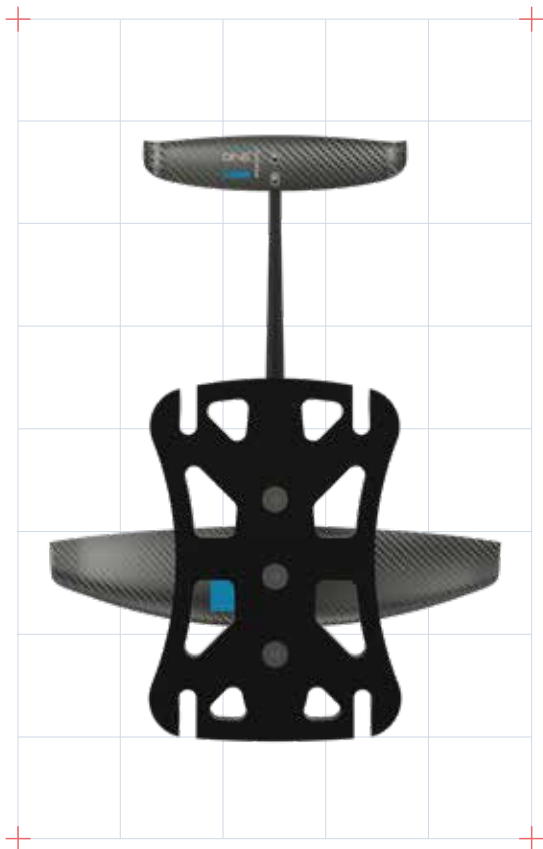
This combination delivers maximum versatility and effective navigation in all conditions—with even more stability.



DIMENSIONS



Height. 39 inches



Wingspan.35.4 inches

SPECIFICATIONS



FEATURES

	CATEGORY	FREERIDE
	MAX WEIGHT	Up to. 220lbs
	COMPATIBILITY	JOY PRODUCTS

TECHNOLOGIES

RIDER LEVEL



MAST



FUSELAGE



WINGS



JOY 100

CARBON

1 299 €



+

A foil that is an excellent compromise between maneuverability, performance, and price.

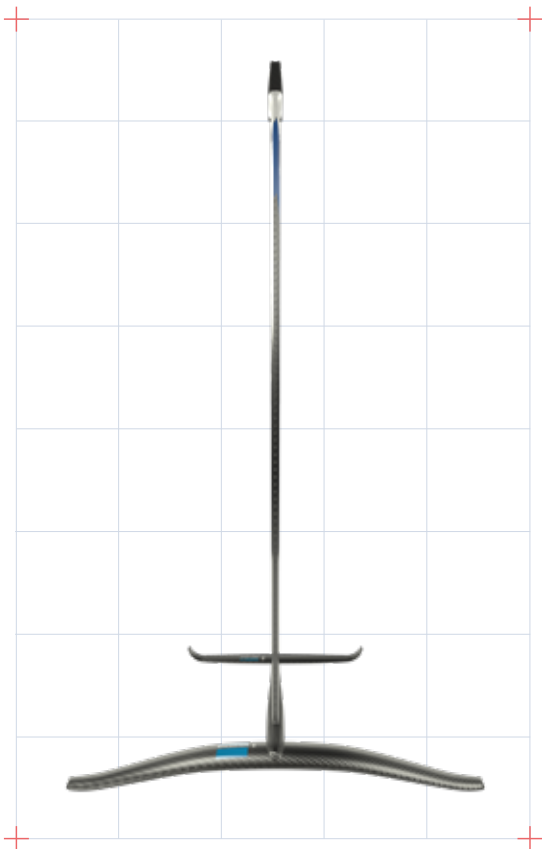
The **JOY CARBON 100** offers better upwind performance than the **JOY CARBON 90**.

It is equipped with the **ALUMINIUM 60** fuselage, the **CARBON HYBRID FREERIDE 62** front wing and **CARBON HR FREERIDE 34** stabilizer.

This fuselage provides great resistance in all directions and minimal drag.

This wing set combination is an excellent compromise between performance, price, and ease of movement. Additionally, the front wing's large surface makes this foil suitable for learning airs.

DIMENSIONS



Height. 39 inches



Wingspan. 39.3 inches

SPECIFICATIONS



FEATURES

	CATEGORY	FREERIDE / PERFORMANCE
	MAX WEIGHT	Up to. 220lbs
	COMPATIBILITY	JOY PRODUCTS

TECHNOLOGIES

RIDER LEVEL



MAST



FUSELAGE



WINGS



JOY 100

TITANIUM

1 799 €

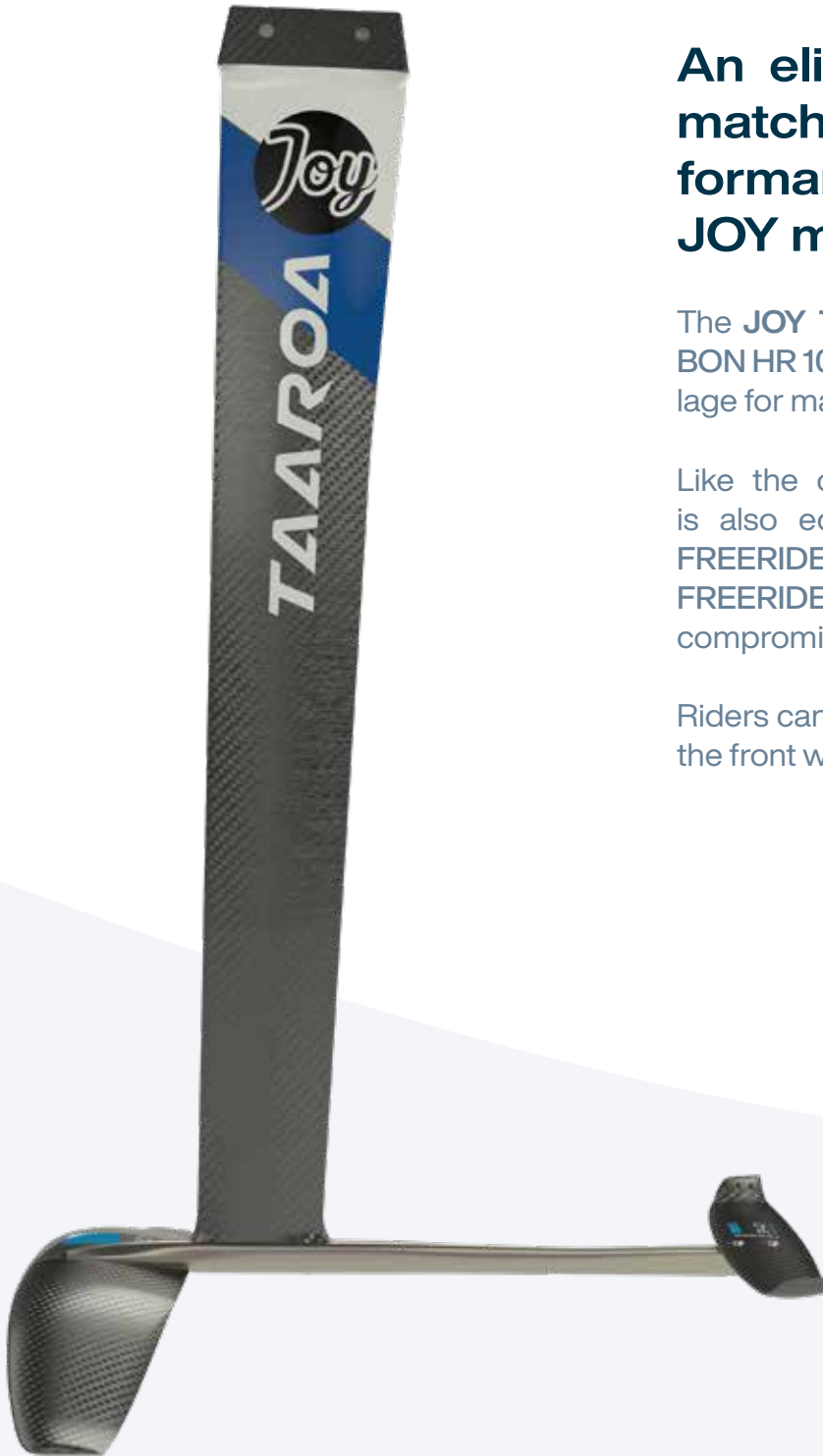


An elite model offering unmatched precision and performance. This is the ultimate JOY model.

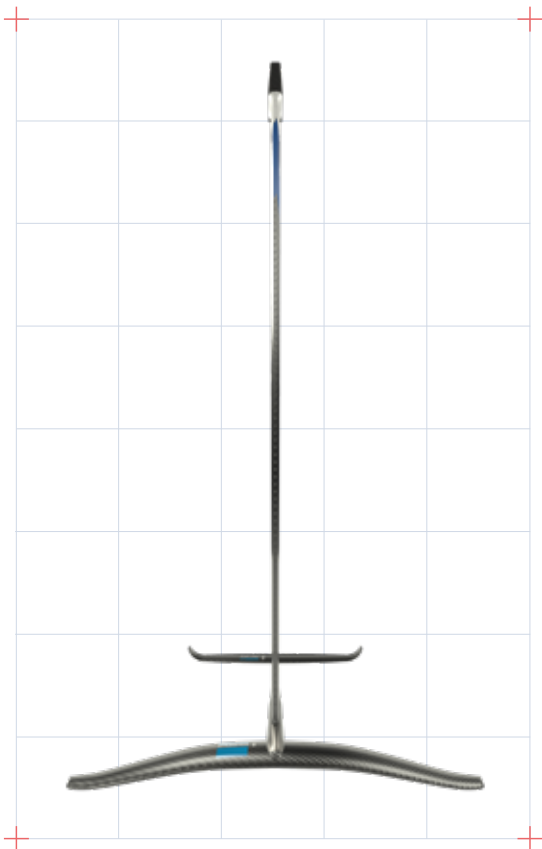
The **JOY TITANIUM 100** comes with the **CARBON HR 100** mast and the **TITANIUM 60** fuselage for maximum rigidity.

Like the other products in the JOY range, it is also equipped with the **CARBON HYBRID FREERIDE 62** front wing and our **CARBON HR FREERIDE 34** stabilizer in order to ride without compromising maneuverability or performance.

Riders can also practice airs with ease, thanks to the front wing's large surface area.



DIMENSIONS



Height. 39 inches



Wingspan.39. 3 inches

SPECIFICATIONS



FEATURES

 CATEGORY **FREERIDE / PERFORMANCE**

 MAX WEIGHT **Up to. 220 lbs**

 COMPATIBILITY **JOY PRODUCTS**

TECHNOLOGIES

RIDER LEVEL

 MAST

 FUSELAGE

 WINGS



SWORD

108 UHM

2 499 €



A racing foil that combines accessibility and elite performance.

The **SWORD 108 UHM** foil is an expression of TAAROA's experience and brand know-how.

All its components have been optimized for precision and speed, including the **CARBON UHM RACE 64** front wing and the **CARBON UHM RACE 37** stabilizer.

The **CARBON UHM** mast 108 cm is the result of 3 years of research and development, it offers the most rigid and precise ride in the market. Combined with the **TITANIUM 60** fuselage, riders can enjoy maximum rigidity and stability.



DIMENSIONS



Height.50 inches





Wingspan. 43.3 inches


SPECIFICATIONS



FEATURES

 CATEGORY **FREERACE**

 MAX WEIGHT **Up to. 200 lbs**

 COMPATIBILITY **JOY / SWORD PRODUCTS**

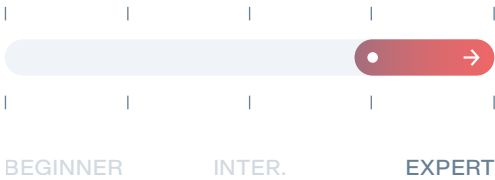
TECHNOLOGIES

RIDER LEVEL


MAST


FUSELAGE


WINGS



BOARDS & ACCESSORIES

KITEFOIL



Bee 110749 €

FEATURES



INTERMEDIATE / EXPERT



CATEGORY

WAVE / FREESTYLE



MAX WEIGHT

Up to 190 lbs



COMPATIBILITY

JOY PRODUCTS



MATERIAL

CARBON/EPOXY



Volume. 15 litres

Size. 110 cm

Peak 130899 €

FEATURES



INTERMEDIATE / EXPERT



CATEGORY

FREERIDE / PERFORMANCE



MAX WEIGHT

Up to 210 lbs



COMPATIBILITY

JOY / SWORD PRODUCTS



MATERIAL

CARBON/EPOXY



Volume. 30 litres

Size. 130 cm

Peak 142899 €

FEATURES



BEGIN. / INTER. / EXPERT



PRODUCT

FREERIDE / PERFORMANCE



MAX WEIGHT

Up to 220 lbs



COMPATIBILITY

JOY / SWORD PRODUCTS



MATERIAL

CARBON/EPOXY




Volume. 35 litres

Size. 140 cm




ALUMINUM 90 KF 299 €


This mast is the best balance of performance and affordability, perfect to learn the basics of kitefoiling or freeride sessions.



HEIGHT
35 INCHES



BEGINNER
INTERMEDIATE




FREERIDE




CARBON HR 90 KF 699 €


A versatile and very rigid mast that provides great performance in all conditions.



HEIGHT
35 INCHES



BEGINNER
EXPERT



FREERIDE
PERFORMANCE



CARBON HR 100 KF

799 €

A versatile mast that provides easy navigation in all conditions, with excellent upwind performance.



HEIGHT
39 INCHES



INTERMEDIATE
EXPERT



FREERIDE
PERFORMANCE



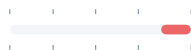
CARBON UHM 108

1 299 €

A mast for competition, providing the most rigid ride of our entire kitefoil range.



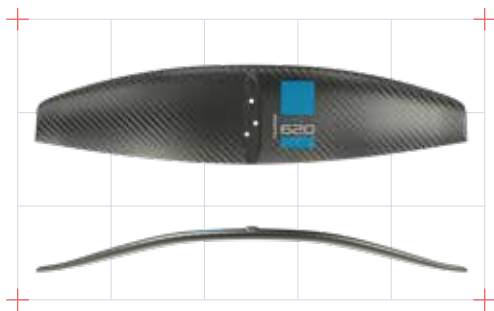
HEIGHT
42 INCHES



RACER



RACE



**CARBON HYBRID
FREERIDE 62 KF**

349 €

A versatile front wing, designed to maximize performance in every kitefoil practice: freeride, strapless, and learning.



**WINGSPAN
24.4 INCHES**



**BEGINNER
EXPERT**



**FREERIDE
PERFORMANCE**



**CARBON HYBRID
WAVE 59 KF**

349 €

An ideal front wing for freestyle and wave riding. Based on the same profile as the FREERIDE 62, it offers increased lift and maneuverability.



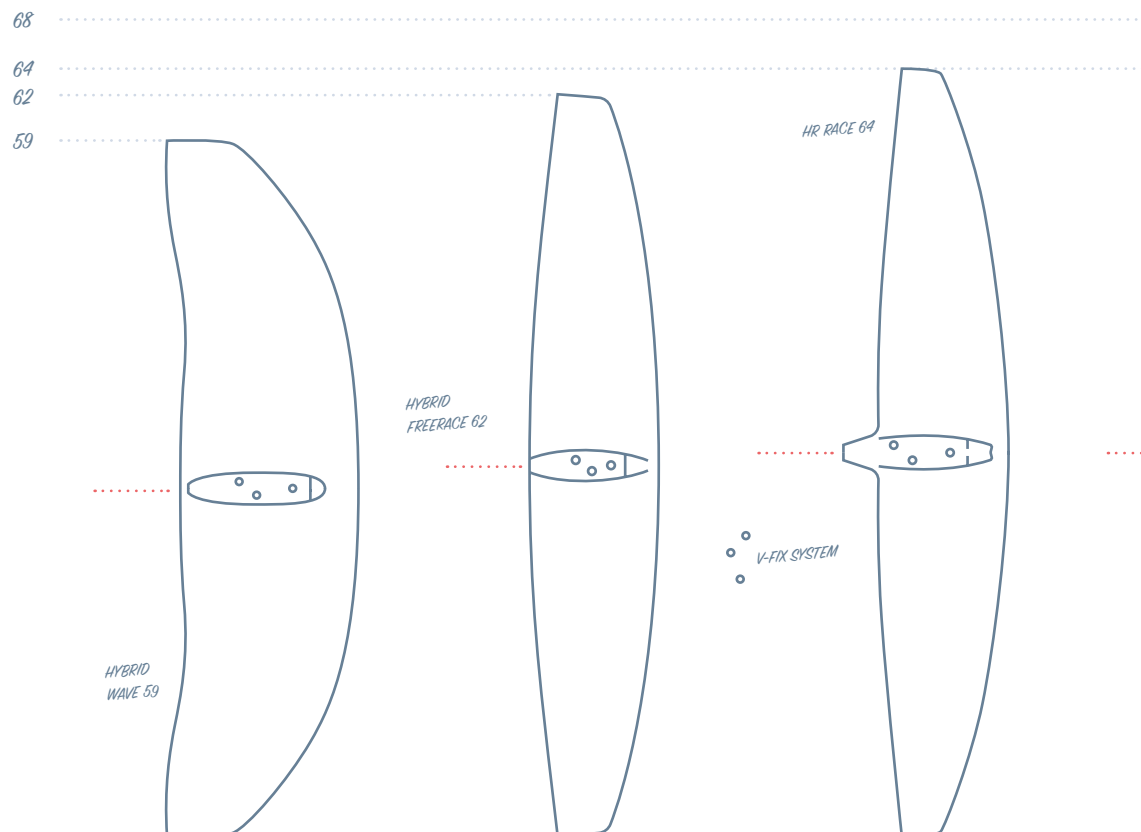
**WINGSPAN
23.2 INCHES**

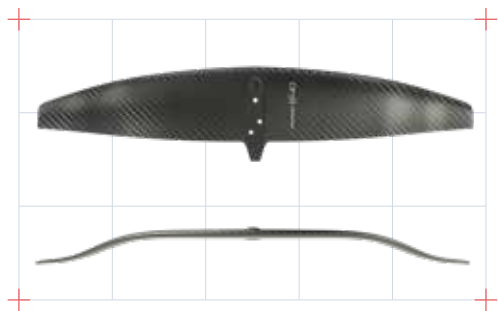


**BEGINNER
EXPERT**



**WAVE
FREESTYLE**





CARBON HR RACE 64KF

399 €

A front wing developed for performance, ideal for thrill-seekers.



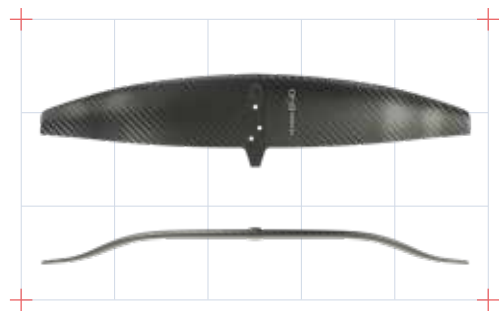
WINGSPAN
25.1 INCHES



INTERMEDIATE
EXPERT



FREERACE



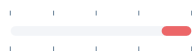
CARBON UHM RACE 64KF

499 €

A front wing designed for maximum performance. Its UHM composition offers more than twice the amount of rigidity as the CARBON HR, making it an exceptional product for competition.



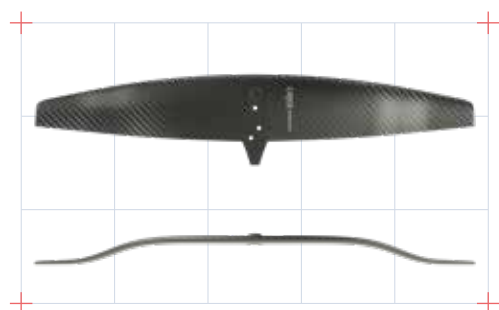
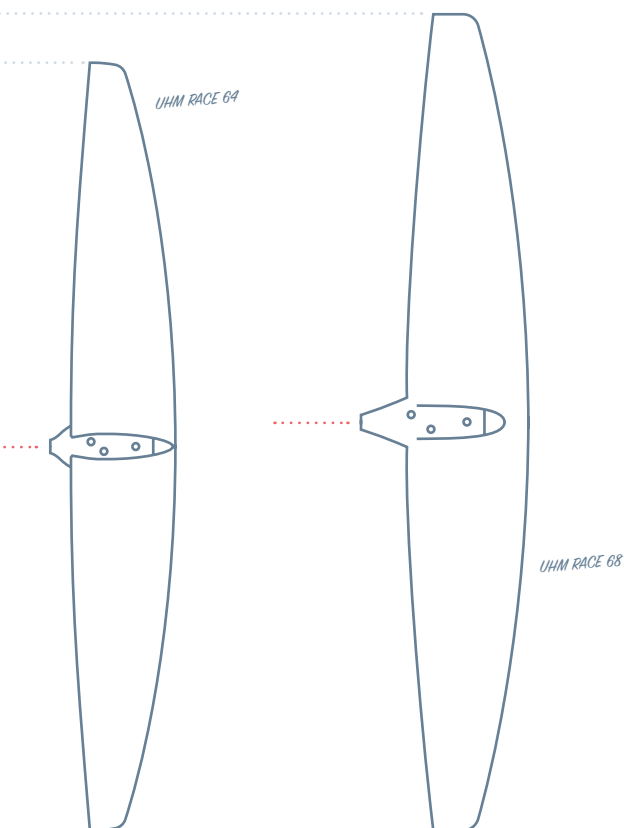
WINGSPAN
25.1 INCHES



RACER



RACE



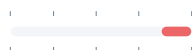
CARBON UHM RACE 68KF

529 €

A front wing designed for competition. The difference between this wing and the RACE 64 is the fineness of its profile, which offers speed performance as well as incomparable acceleration.



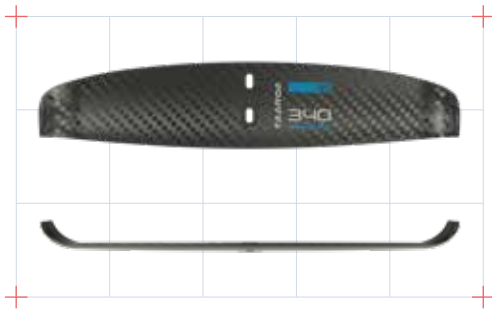
WINGSPAN
26.7 INCHES



RACER



RACE



CARBON HR FREERIDE 34 KF

199 €

Rear wing optimized for the FREERIDE 62 front wing, it offers one of the most stable and versatile rides in the range.



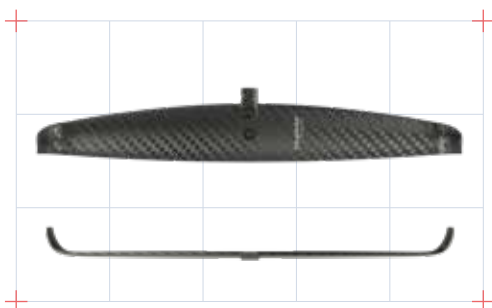
WINGSPAN
13.3 INCHES



BEGINNER
EXPERT



FREERIDE



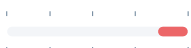
CARBON UHM RACE 37 KF

299 €

Rear wing optimized for the UHM RACE 68 front wing. It is designed with a very thin profile for low drag. Dedicated exclusively to the quest for performance.



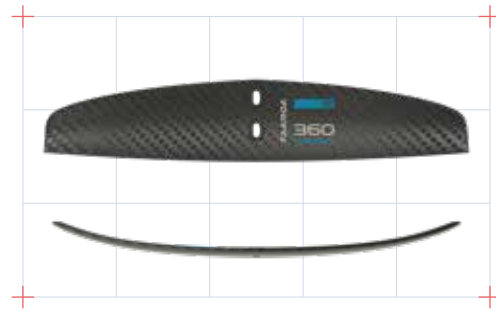
WINGSPAN
14.5 INCHES



RACER



RACE



CARBON HR WAVE 36 KF

199 €

Rear wing optimized for the WAVE 59 front wing. This kitefoil stabilizer offers maximum response in tight curves and works well in all modes of freestyling.



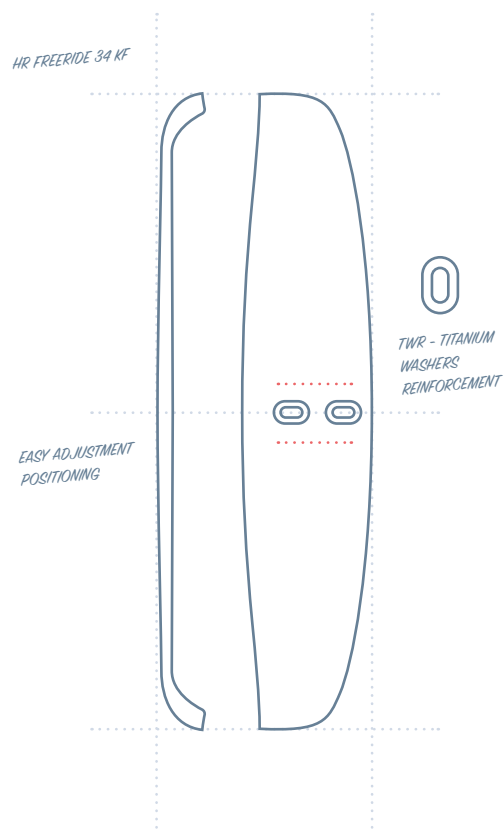
WINGSPAN
14.1 INCHES

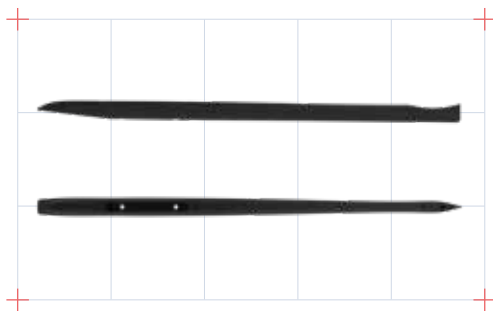


INTERMEDIATE
EXPERT



WAVE
FREESTYLE





ALUMINUM 60 KF 299 €

Fuselage offering great versatility. Its innovative design generates very little drag while maintaining high multi-directional rigidity through its aluminium construction.



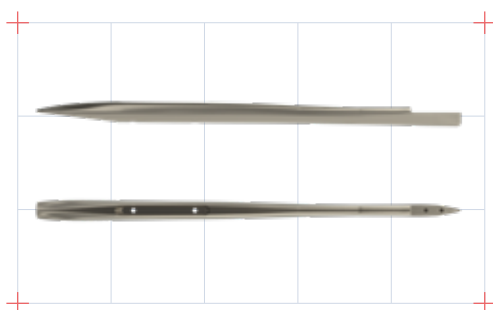
LENGTH
23.6 INCHES



BEGINNER
EXPERT



FREERIDE
PERFORMANCE

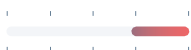


TITANIUM 54 SWORD KF 649 €

Fuselage designed for elite racers. Compared to carbon, titanium offers more rigidity and allows for stiffness in all directions.



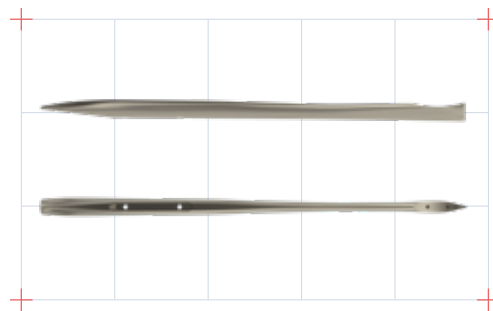
LENGTH
21.1 INCHES



RACER



RACE



TITANIUM 60 KF 599 €

Fuselage offering excellent versatility. Its titanium construction and innovative design generates very little drag while maintaining unique multi-directional rigidity.



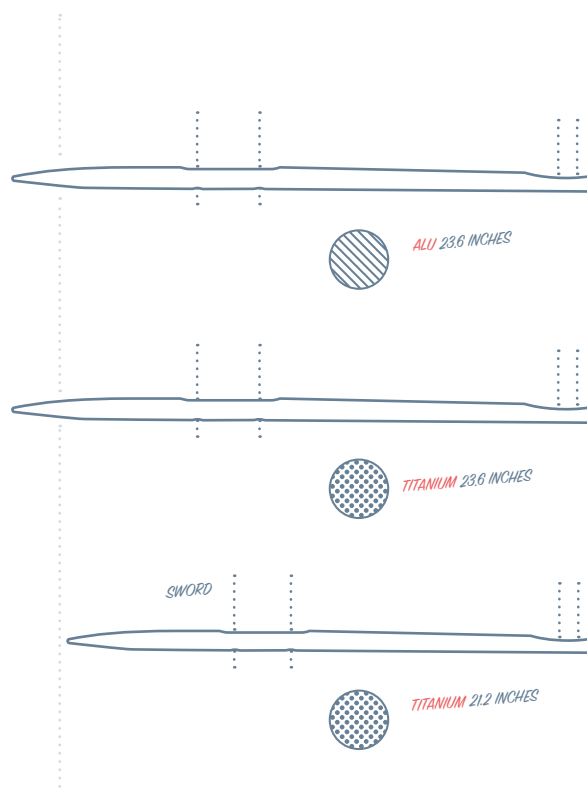
LENGTH
23.6 INCHES



BEGINNER
EXPERT



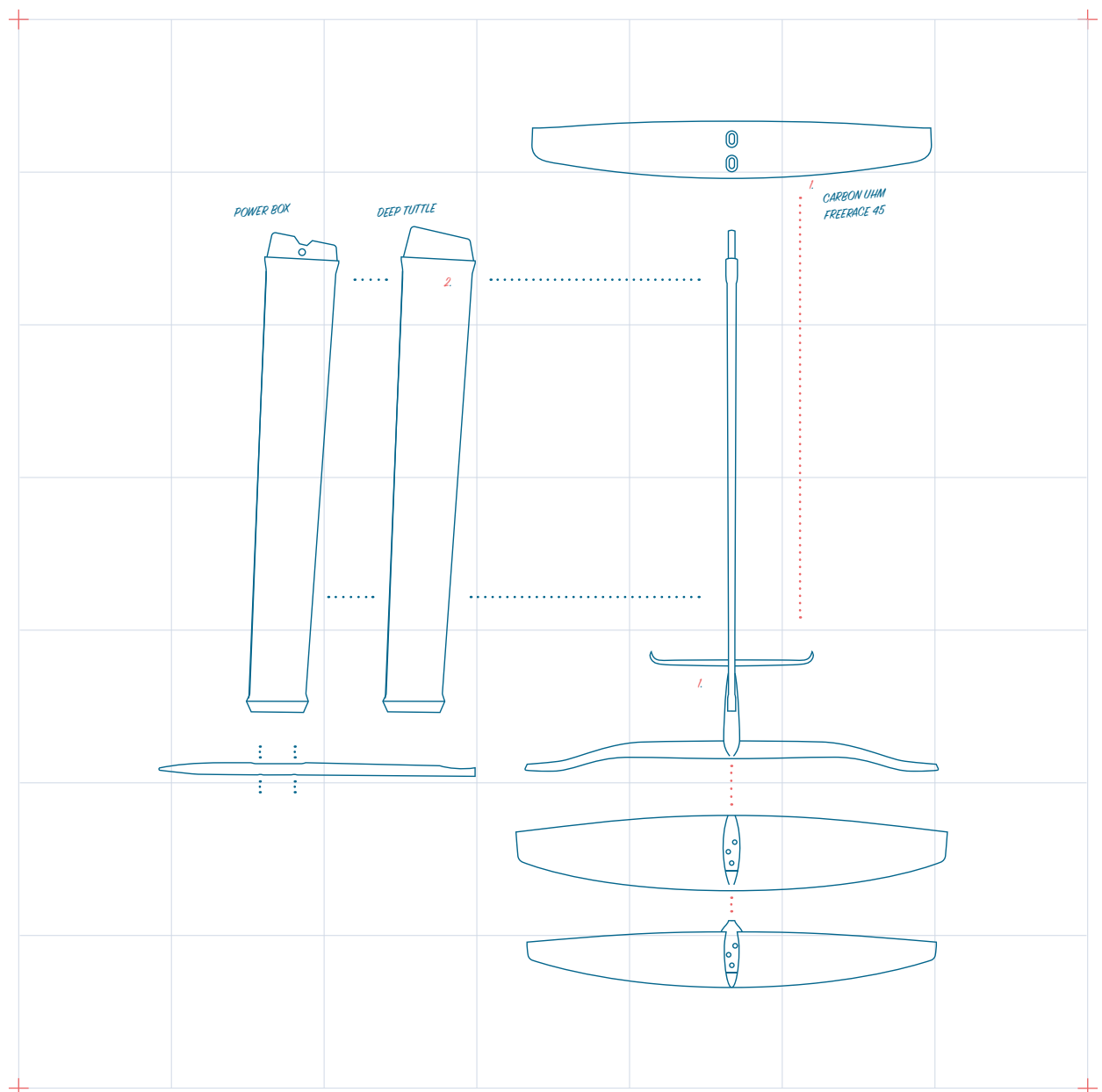
FREERIDE
PERFORMANCE





Windfoils

FOILS AND ACCESSORIES



NOE 80

1 299 €



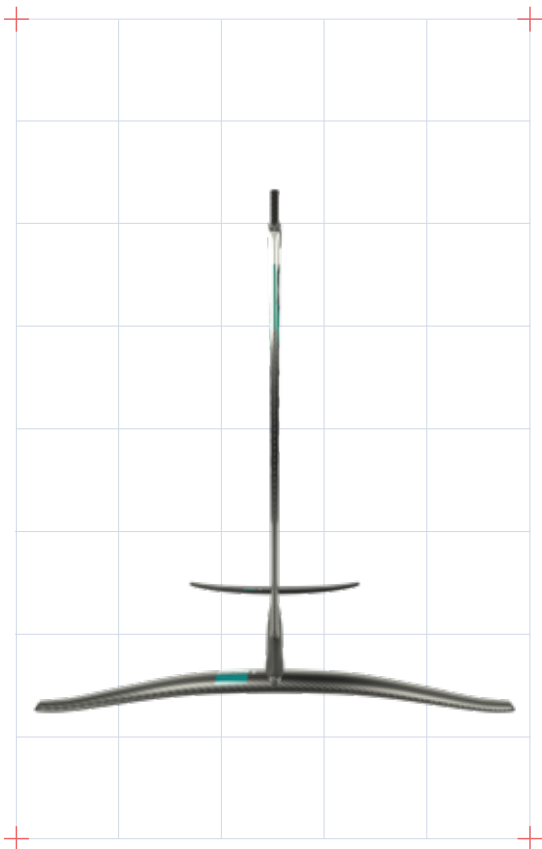
A freeride foil optimized for the NOE family's best performance at the best price.

The **NOE 80** comes with a **CARBON HR 80** mast and the **ALUMINIUM 75** high quality aluminium fuselage, which makes the foil's ride very rigid and stable. It's also quipped with the **CARBON HYBRID FREERIDE 80** front wing and **CARBON HR FREERIDE 42** stabilizer.

The mast and wings are made of carbon for maximal rigidity and performance. The aluminium fuselage offers high performance with a light weight and its front wing delivers easy light wind performance as well as stability at all speeds. It packs a punch with high lift and superb maneuverability, making it ideal for learning how to master airs.



DIMENSIONS



Height. 34 inches



Wingspan. 31.4 inches

SPECIFICATIONS



FEATURES

CATEGORY **FREERIDE PERFORMANCE**

MAX WEIGHT **Up to. 220 lbs**

COMPATIBILITY **NOE PRODUCTS**

TECHNOLOGIES

RIDER LEVEL



MAST

FUSELAGE

WINGS

NOE 97 FREERIDE

1 699 €



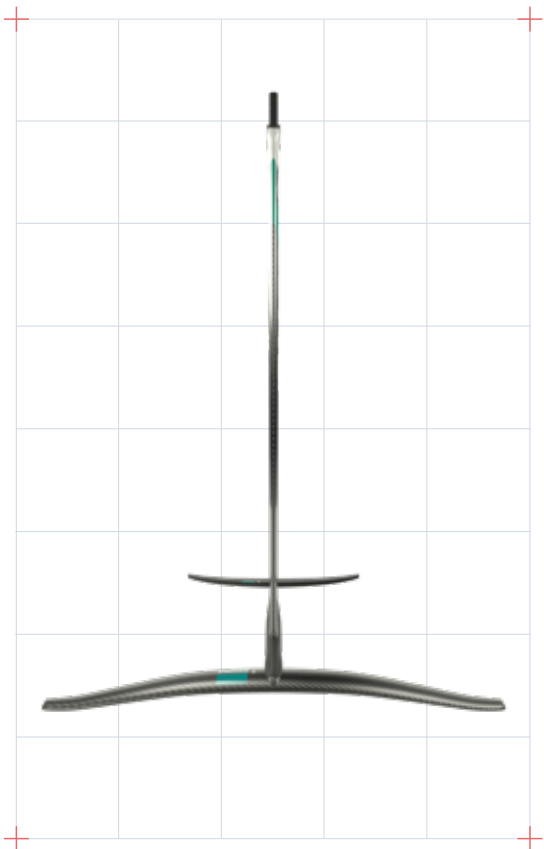
The big brother of NOE 80, a versatile foil that is adaptable in all conditions.

The **NOE 97 FREERIDE** comes with the **CARBON HR 97** mast and the **ALUMINIUM 85** aluminium fuselage, which gives the unit a very rigid ride and stability in all conditions. It is also equipped with the **CARBON HYBRID FREERIDE 80** front wing and **CARBON HR FREERIDE 42** stabilizer.

The front fender provides excellent lightwind performance high stability at all speeds and its long mast length provides efficient upwind performance.



DIMENSIONS



Height. 38 inches



Wingspan. 38 inches

SPECIFICATIONS



FEATURES

CATEGORY **FREERIDE**

MAX WEIGHT **Up to. 220lbs**

COMPATIBILITY **NOE PRODUCTS**

TECHNOLOGIES

RIDER LEVEL

MAST

FUSELAGE

WINGS



NOE 97 FREERACE

1 799 €



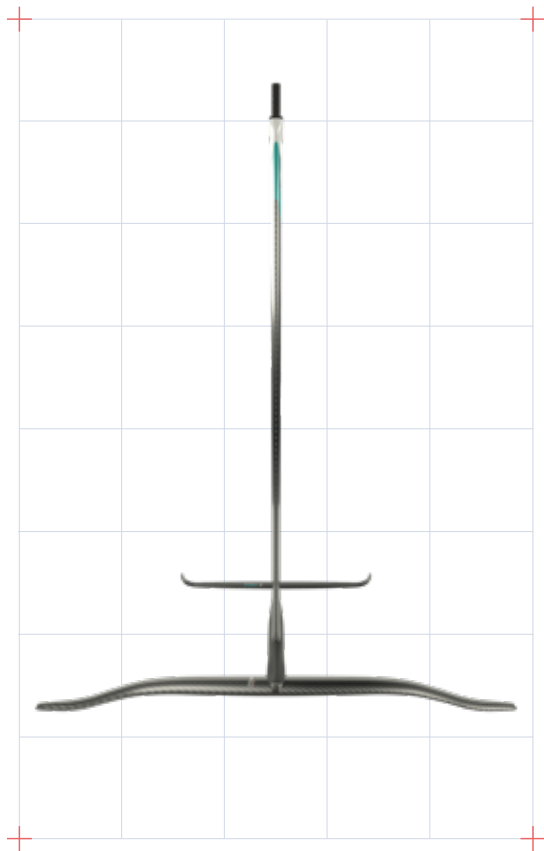
A hybrid foil for competition and freeriding, optimized for speed.

The **NOE 97 FREERACE** comes equipped with the **CARBON HR 97** mast and the **ALUMINIUM 85** high quality aluminium fuselage, like the NOE 97.

But this model differs when it comes to the wings. With the **CARBON HR FREERACE 80** front fender and the **HR FREERACE 45** stabilizer offers a slim profile to minimize drag and an exemplary glide.



DIMENSIONS



Height. **38 inches**



Wingspan. **38 inches**

SPECIFICATIONS

RIGIDITY



STABILITY



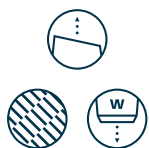
PLANING



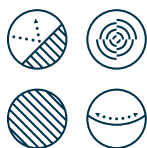
SPEED



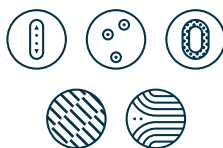
TECHNOLOGIES



MAST



FUSELAGE



WINGS

FEATURES



CATEGORY

**FREERIDE
PERFORMANCE**



MAX WEIGHT

Up to. 220 lbs



COMPATIBILITY

NOE
PRODUCTS

RIDER LEVEL



INTER.

EXPERT

NOE 97

UHM

2 199 €



A hybrid foil between race and freeride with the NOE family's most rigid ride, unique stability, and performance.

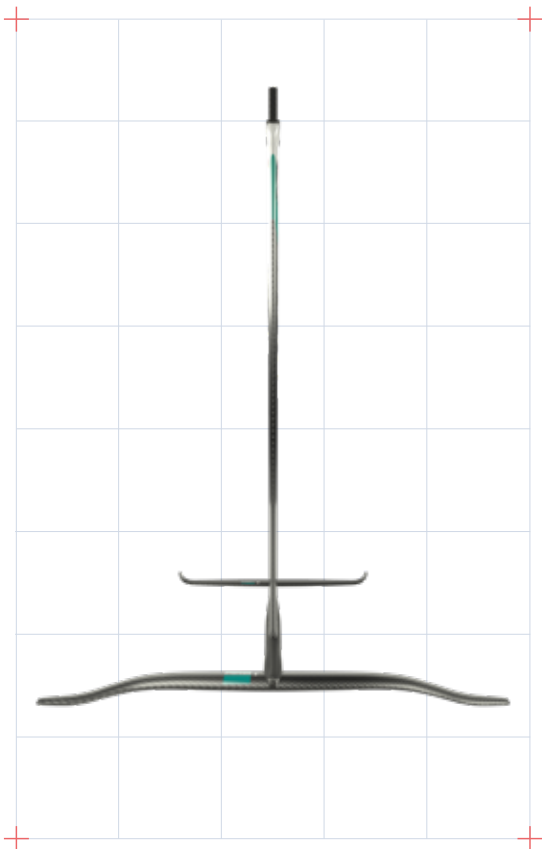
The **NOE 97 UHM** is equipped with the **CARBON UHM 97** mast. The mast is the culmination of three years of research and development to design the most rigid ride in the market.

Combined with **ALUMINIUM 85** fuselage manufactured with high quality aluminium, **CARBON UHM FREERACE 80** front wing, and the **CARBON UHM FREERACE 45** stabilizer, this model ensures peak performance.

The NOE 97 UHM is an exceptional product destined for competition



DIMENSIONS



Height.38 inches



Wingspan. 38 inches

SPECIFICATIONS




FEATURES

 CATEGORY RACE

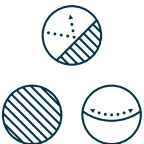
 MAX WEIGHT Up to.220 lbs

 COMPATIBILITY NOE PRODUCTS

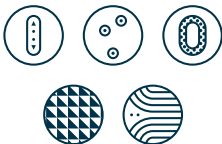
TECHNOLOGIES



MAST



FUSELAGE



WINGS

RIDER LEVEL



ACCESSORIES

WINDFOIL





CARBON HR 80 DEEP TUTTLE

849 €

The most versatile mast of the NOE range. It is available with the DEEP TUTTLE or the POWER BOX mounts making it suitable for learning or for more seasoned riders.



HEIGHT
31 INCHES



BEGINNER
INTERMEDIATE



FREERIDE



CARBON HR 80 POWER BOX

849 €

The most versatile mast of the NOE range. It is available with the DEEP TUTTLE or the POWER BOX mounts making it suitable for learning or for more seasoned riders.



HEIGHT
31 INCHES



BEGINNER
INTERMEDIATE



FREERIDE



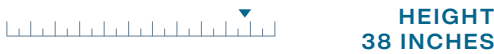
CARBON HR 97 WF 849 €

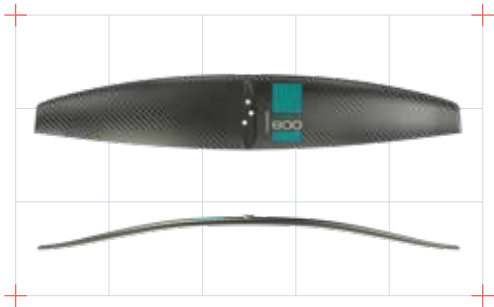
A mast for the performance-orientated freeriders.



CARBON UHM 97 WF 1 399 €

A mast that provides unparalleled performance: ideal for racing and speed, it is the stiffest mast in the windfoil range.



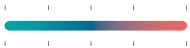


**CARBON HYBRID
FREERIDE 80 WF** 399 €

The most versatile front wing of the range. It is particularly ideal for attempting your first air, it also offers great stability and controlled speed.



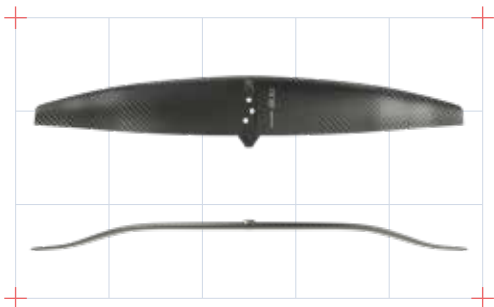
**WINGSPAN
31.4 INCHES**



**BEGINNER
EXPERT**



FREERIDE



**CARBON UHM
FREERACE 80 WF** 549 €

This front wing differs from the FREERACE 80 in that it is made with UHM carbon. This material provides maximum rigidity, high speed stability, and incomparable performance.



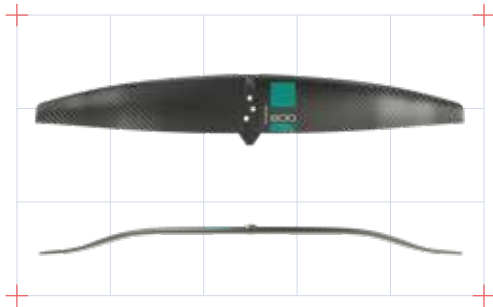
**WINGSPAN
31.4 INCHES**



**INTERMEDIATE
EXPERT**



FREERACE



**CARBON HR
FREERACE 80 WF** 429 €

A front wing with a unique profile derived from racing wings. It is perfect for freeracing sessions, while retaining tolerance and accessibility.



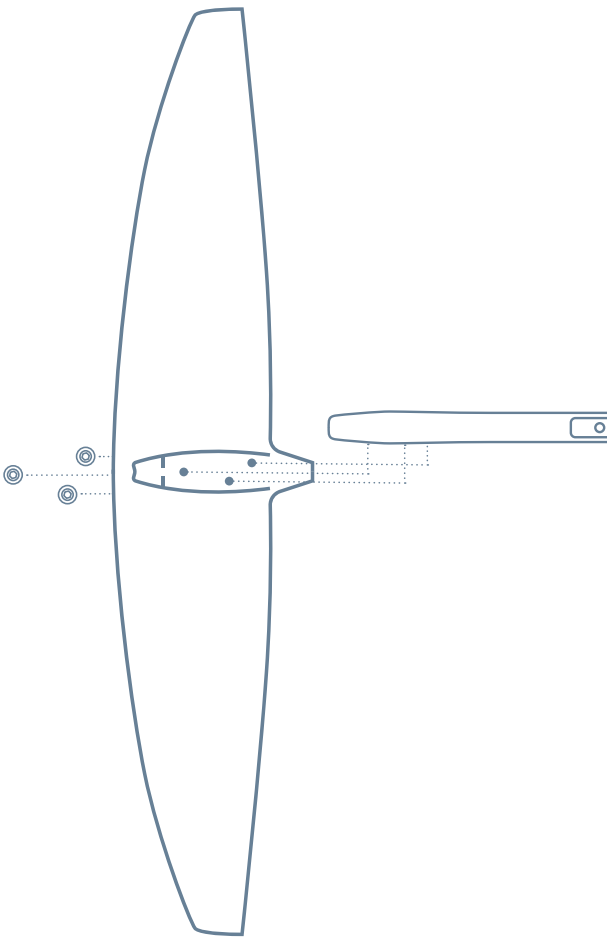
**WINGSPAN
31.4 INCHES**

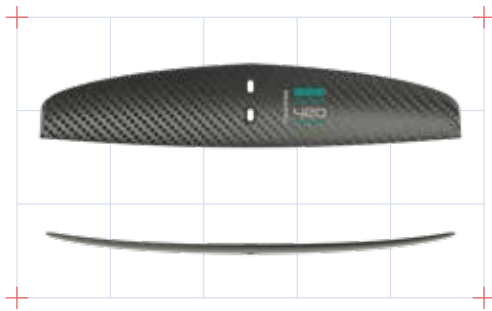


**INTERMEDIATE
EXPERT**



**FREERIDE
PERFORMANCE**





CARBON HR FREERIDE 42 WF

229 €

Rear wing optimized for the FREERIDE 80 front wing. It provides great versatility without compromising its performance and is the most progressive stabilizer in the range.



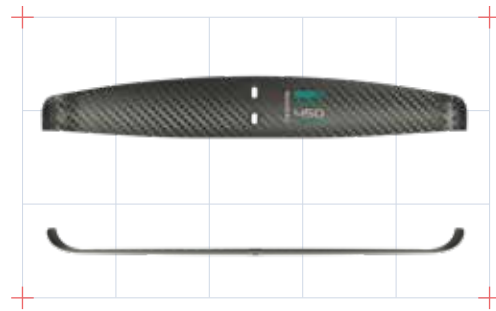
WINGSPAN
16.5 INCHES



BEGINNER
INTERMEDIATE



FREERIDE



CARBON HR FREERACE 45 WF

249 €

Rear wing optimized for the FREERACE 80 front wing. With its long profile and low drag, this stabilizer is designed for the pursuit of performance.



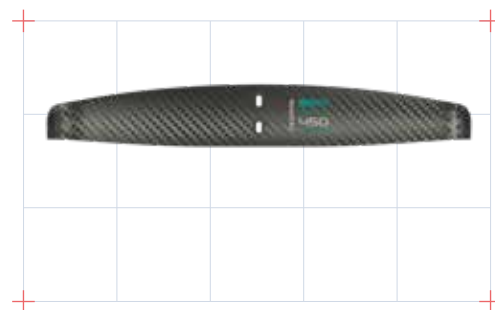
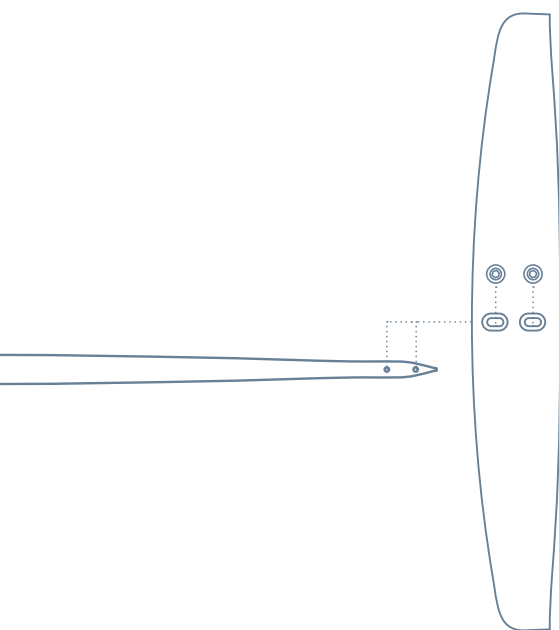
WINGSPAN
17.1 INCHES



INTERMEDIATE
EXPERT



FREERACE



CARBON UHM FREERACE 45 WF

349 €

UHM (Ultra High Modulus) version of the Freerace 45WF wing. It's the most exclusive stabilizer in the NOE range and it's optimized for speed.



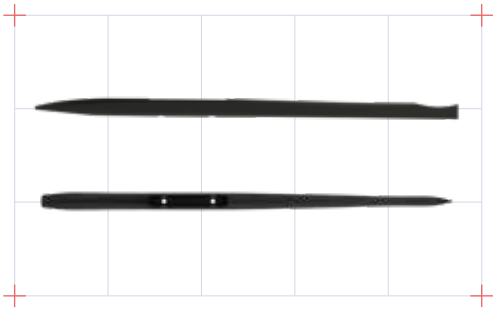
WINGSPAN
17.1 INCHES



INTERMEDIATE
EXPERT

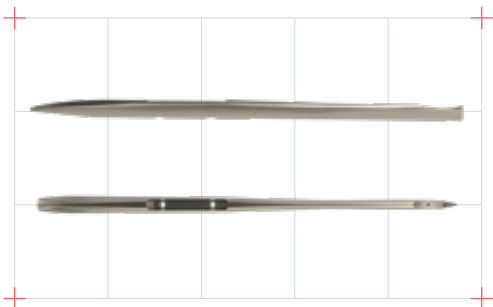


FREERACE



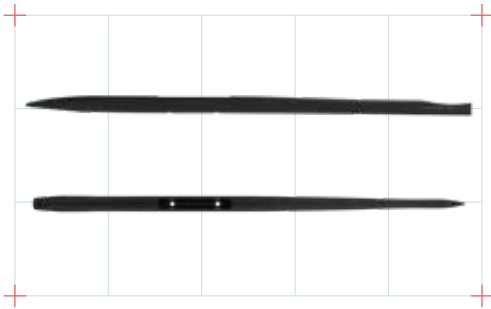
ALUMINIUM 75 WF 339 €

Fuselage delivering great versatility; its innovative design and aluminium material generate very little drag while maintaining high multi-directional rigidity.



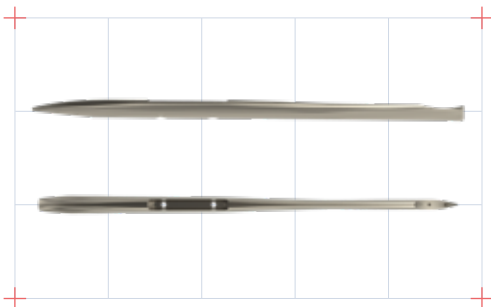
TITANIUM 75 WF 869 €

Fuselage delivering great versatility-orientated performance while maintaining unique multi-directional rigidity through its titanium material.



ALUMINIUM 85 WF 389 €

Fuselage designed for freeride enthusiasts. Its length offers more efficient starts as well as increased performance both upwind and downwind.



TITANIUM 85 WF 889 €

Fuselage optimized for freeriders, and offering maximum rigidity through its titanium material. Its length provides efficient starts as well as unique performances in both upwind and downwind conditions.





Technologies

FEATURES

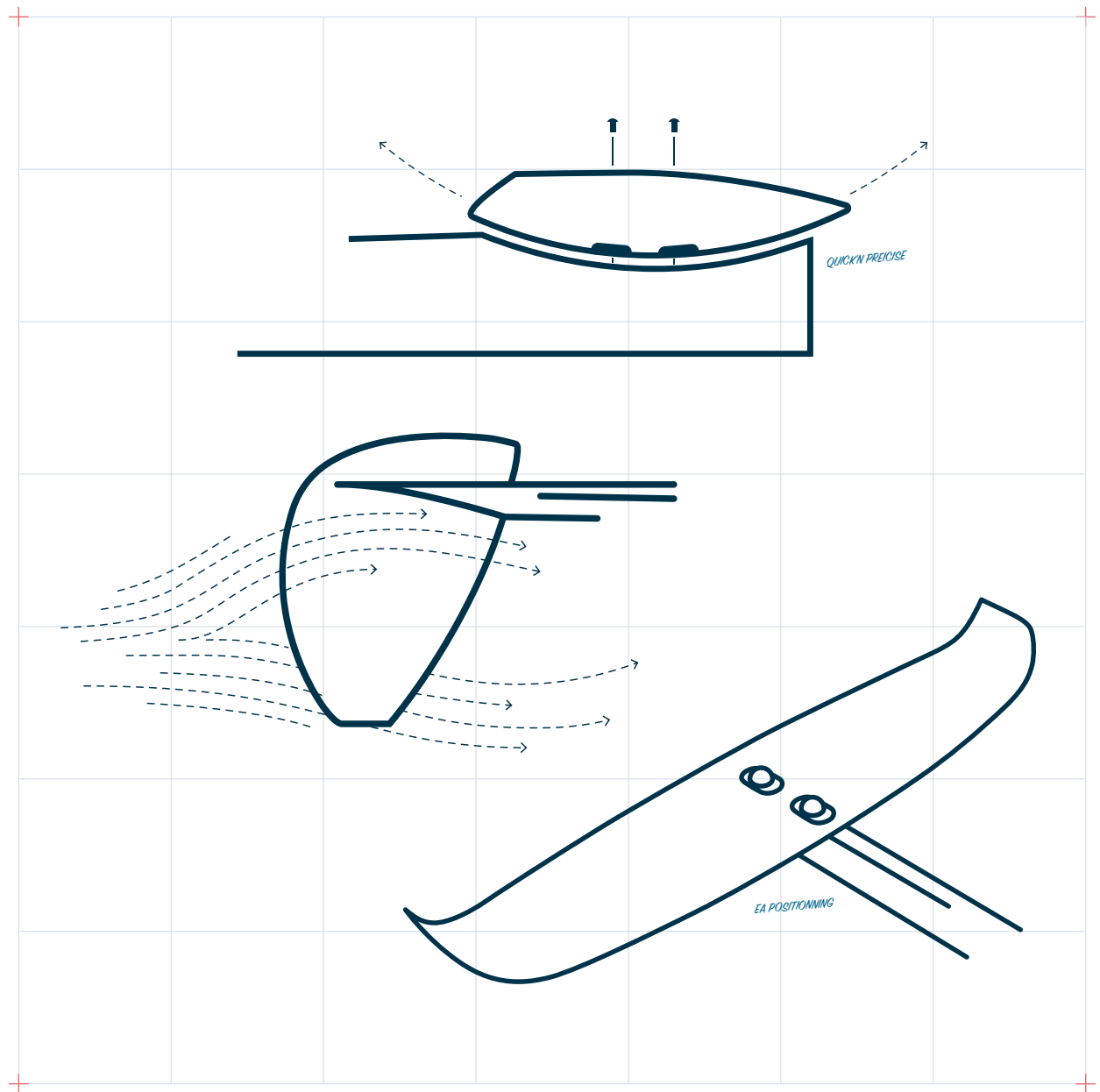
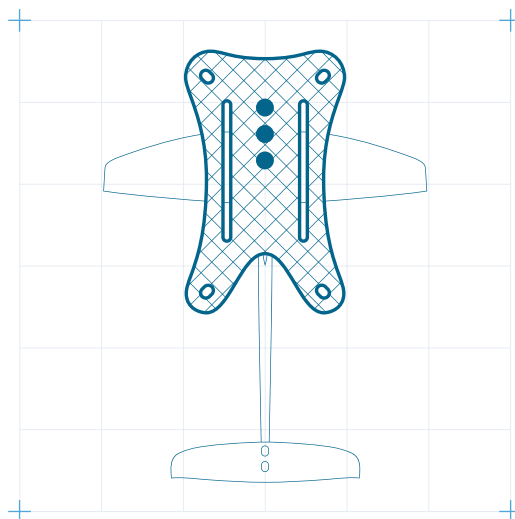




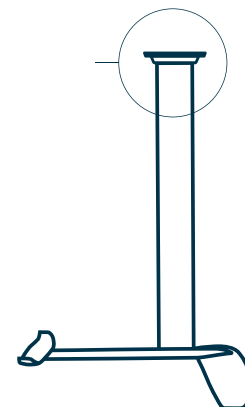
PLATE MOUNT

PART.
Mast

DESCRIPTION.
Mast/Board mounting plate in
aluminium



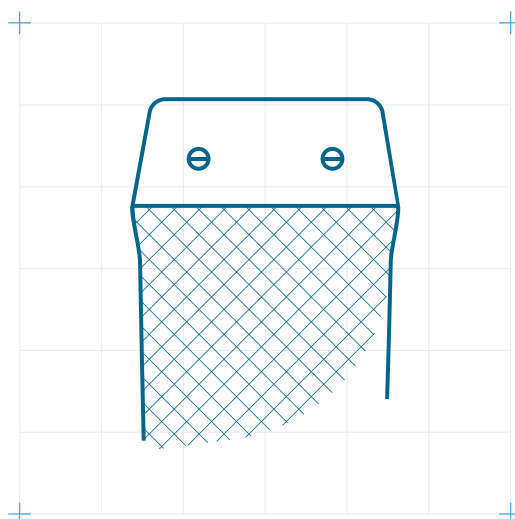
TECHNICAL DRAWING



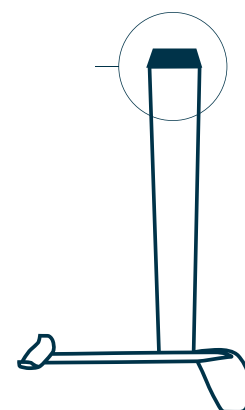
MINI PRO BOX

PART.
Mast

DESCRIPTION.
Mast/Board mounting system with
stainless inserts



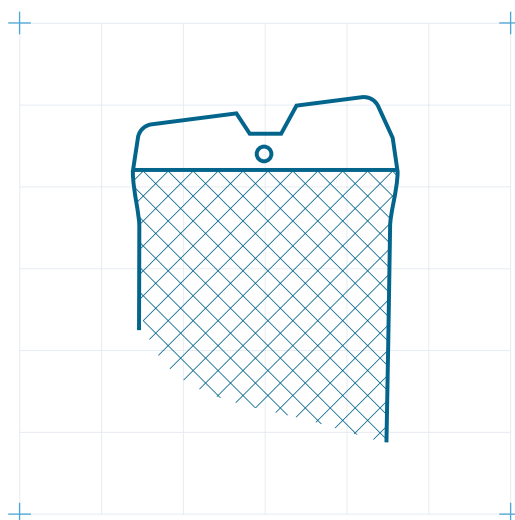
TECHNICAL DRAWING



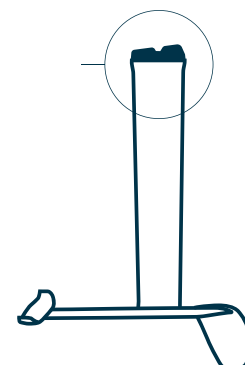
POWER BOX

PART.
Mast

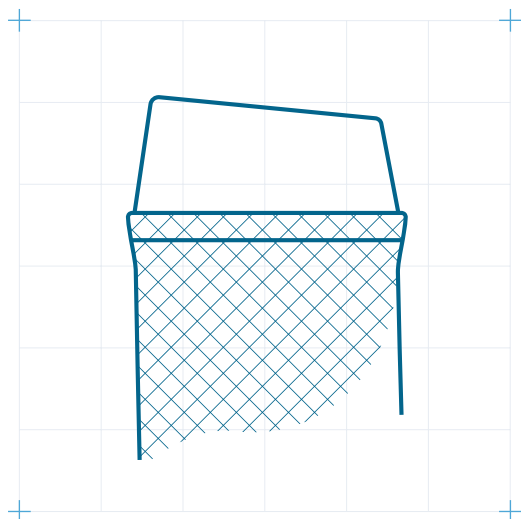
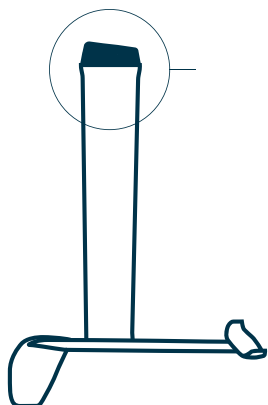
DESCRIPTION.
Mast/Board mounting system with
stainless inserts



TECHNICAL DRAWING



TECHNICAL DRAWING



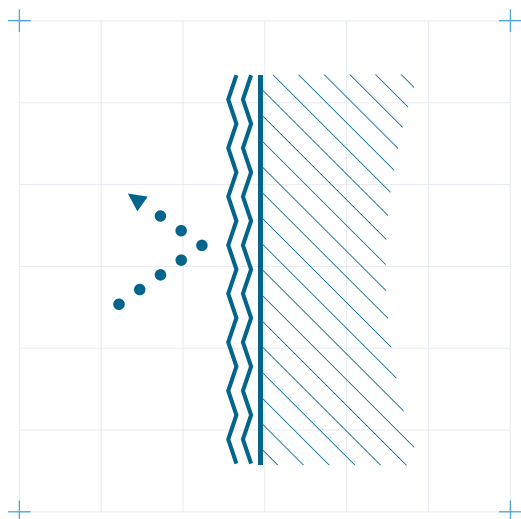
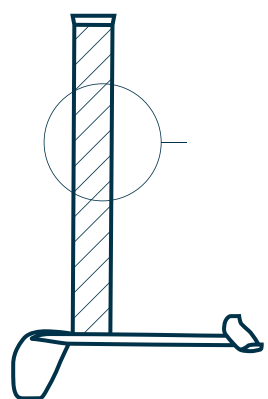
DEEP TUTTLE BOX



PART.
Mast

DESCRIPTION.
Mast/Board mounting system with
stainless inserts

TECHNICAL DRAWING



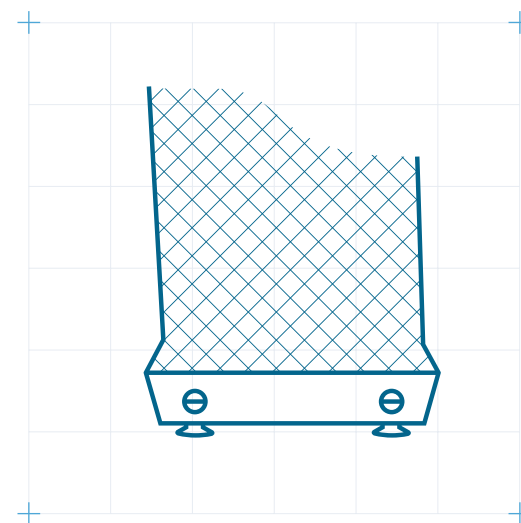
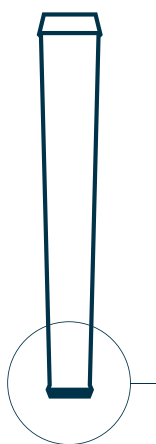
HEAVY ANODIZED
TREATMENT



PART.
Mast/Fuselage

DESCRIPTION.
Deep and integral anodizing of
the material providing durable and
effective protection

TECHNICAL DRAWING



STANDARD
KITE MOUNT



PART.
Mast

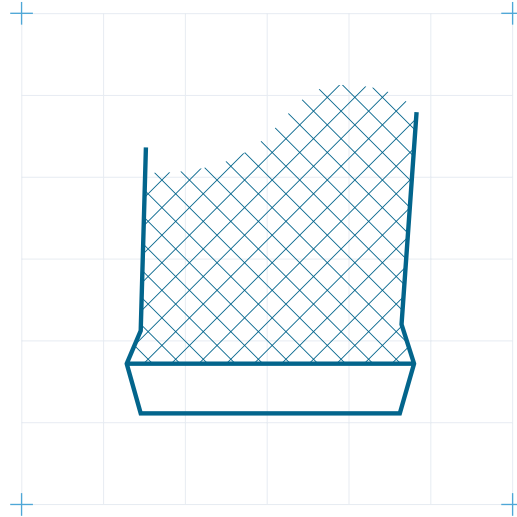
DESCRIPTION.
Mast/Fuselage mounting system
with stainless inserts compatible
with JOY and SWORD families of
products



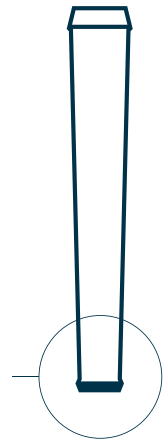
STANDARD WINDFOIL MOUNT

PART.
Mast

DESCRIPTION.
Mast/Fuselage mounting system
with stainless inserts compatible
with NOE family of products



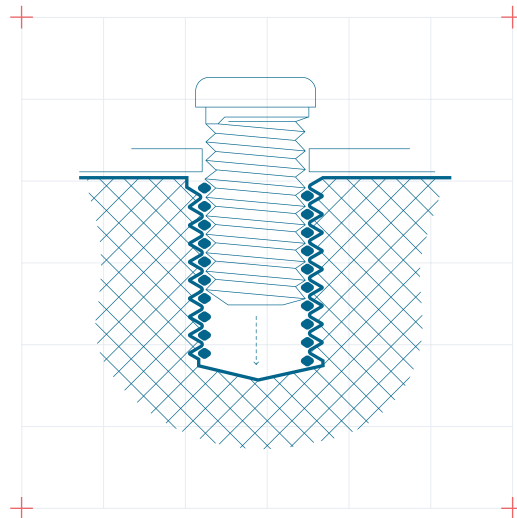
TECHNICAL DRAWING



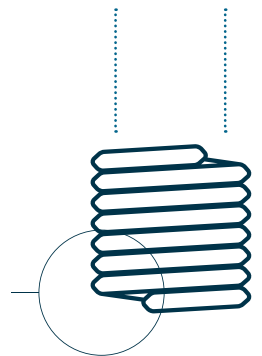
HELI GRIP

PART.
Fuselage

DESCRIPTION.
Helicoid system guaranteeing maxi-
mum durability of the screw threads
during tightening and loosening



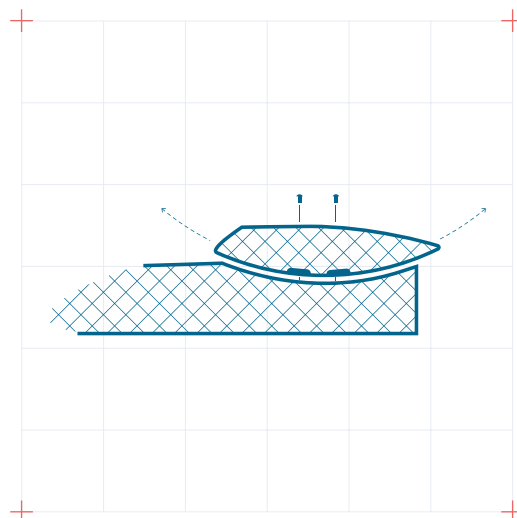
TECHNICAL DRAWING



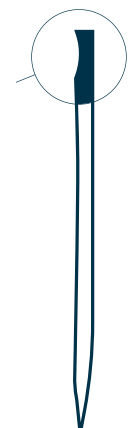
QUICK'N PRECISE

PART.
Fuselage

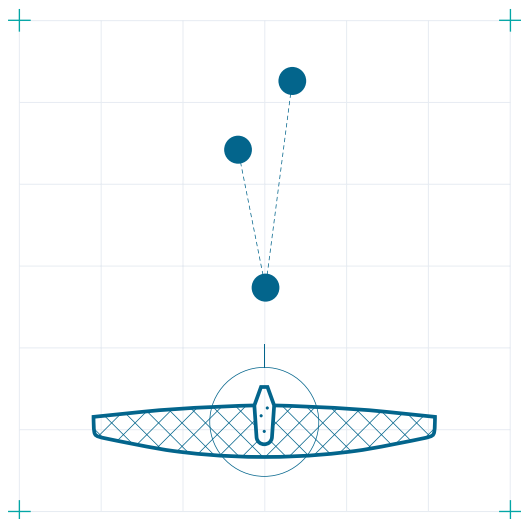
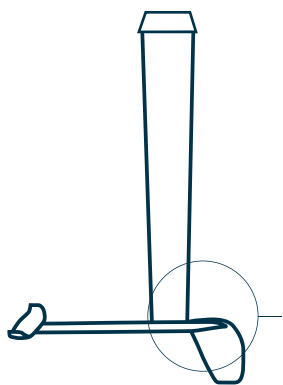
DESCRIPTION.
Mounting ball system allowing
the precise and fast adjustment of
the angle of the stabilizer thanks to
two screws and a half-moon geome-
try directly shaped in the fuselage



TECHNICAL DRAWING



TECHNICAL DRAWING



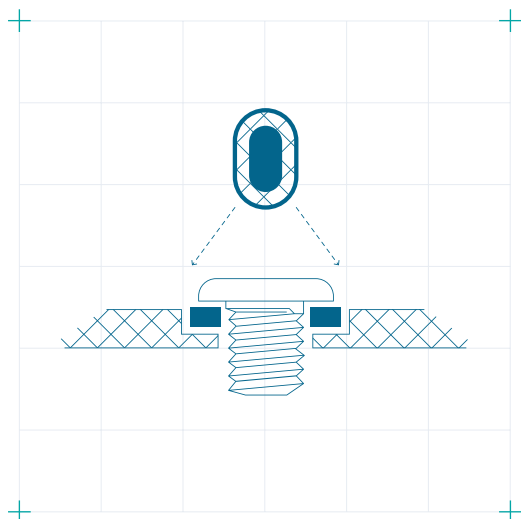
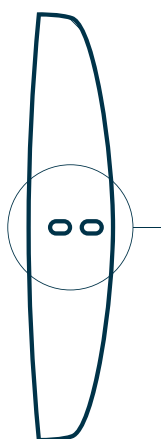
V-FIX SYSTEM



PART.
Wing

DESCRIPTION.
Front wing V-fixing system which guarantees a distribution of forces on two axes and therefore maximum rigidity of the wing/fuselage mechanical connection

TECHNICAL DRAWING



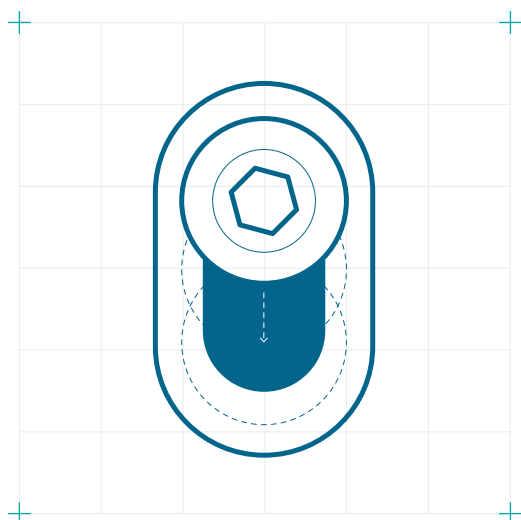
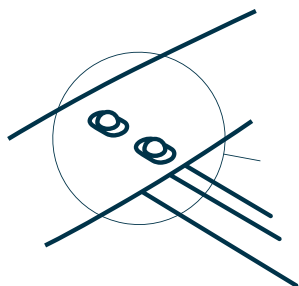
TITANIUM WASHERS REINFORCEMENT



PART.
Wing

DESCRIPTION.
Reinforcement made of titanium at the tightening area of the screws

TECHNICAL DRAWING



EASY ADJUSTMENT POSITIONING



PART.
Wing

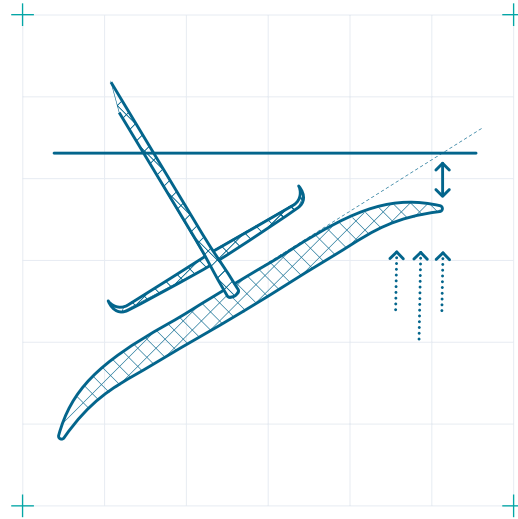
DESCRIPTION.
Clamping and adjustment system (on 1 axis) of the stabilizer by 2 screws



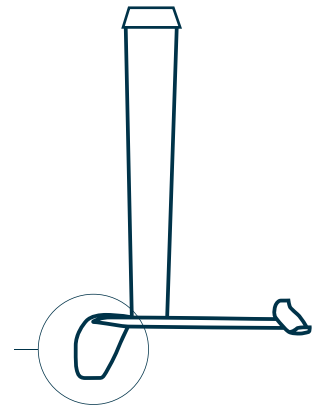
ANTI STALL SHAPE

PART.
Wing

DESCRIPTION.
Geometry avoiding wing-tip vortices
and therefore stalling when the wing
is too close to the water surface



TECHNICAL DRAWING



MATERIALS



ALUMINIUM

PROCESS. Manufacturing
DESCRIPTION.
6061 T6 anodized aluminium,
full-mold cast body



CARBON HR

PROCESS. Manufacturing
DESCRIPTION.
HR Carbon Fiber
(High Resistance)



TITANIUM

PROCESS. Manufacturing
DESCRIPTION.
Full-mold cast body



CARBON UHM

PROCESS. Manufacturing
DESCRIPTION.
UHM Carbon Fiber
(Ultra High Modulus)
2.5x more rigid than Carbon HR



CARBON HYBRID

PROCESS. Manufacturing
DESCRIPTION.
Hybrid Carbon Fiber



ALUMINIUM

6061 T6 anodized

This type of aluminum is known for its high strength to weight ratio in every direction. it is a powerful and accessible material for our fuselage design.



CARBON High Resistance

CARBON Ultra High Modulus

Our use of carbon allows an unmatched strength to weight ratio, which provides our wings and masts with a rigid, unique performance.



TITANIUM

Titanium is stainless and provides an unmatched resistance to weight ratio. Our titanium fuselages are an exceptional product, made accessible for all.



TAAROA

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