

Tahe Outdoors
France



The new Windsurf Foil board for Youth

TECHNO
WIND FOIL 130



Today, foils are revolutionising windsurfing. World Sailing's decision to select a windsurf foil board for the 2024 Olympic Games is further proof of the mutation of our sport. To help the transition between the classic OD board and the new Olympic Foil class, Tahe Outdoors has created the Techno 130 Wind Foil. It's a high performance all-in-one package - board, foil and sail rig - combining solid durability with easy accessibility, and will enable sailing clubs to invest in long-lasting equipment for their young sailors to race on.

Riding the wave of success created by the Techno 293OD class, the new Techno Windfoil class will run a programme of national and international competition events, with exactly the same fair-play, friendly spirit that has made 293 so popular. The 130 Windfoil pack price is set as low as possible to help prevent an equipment "arms race", and to support clubs running races for their U17s and U19s. The U15s will continue racing on the Techno 293OD. A series of events is planned in 2021, most notably during and as part of the Techno 293OD World Championships.



A TOP QUALITY SHAPE FOR MIXED FOIL/SLALOM SAILING

The Techno 130 Windfoil board has been shaped by Jean-Marie Guiriec, one of the best shapers in the business. It enables planing in as little as 10 knots with the foil, and to ride slalom in stronger winds by switching to the fin. It's a top-performing 100% hybrid board, very accessible, and a perfect fit for junior monotype racing.

This versatility means coaches and trainers can choose what skills to teach and races to run, depending on the wind and water conditions.

Length	230cm
Width	81.5cm
Volume	130L
Weight	9.5kg
Fin box	Deep Tuttle
Fin	Select S1 (Sold separately)
Daggerboard	-
Ideal sail (m²)	Foil: 5.0 > 8.0 / Wind: 6.0 > 8.0

A TOUGH, LIGHT WEIGHT BOARD AT AN AFFORDABLE PRICE

Like the Techno 293 OD, the Techno 130 Windfoil is manufactured in our factory in Brittany, France, using our unique production processes, resulting in a board that is light weight, solid and durable. A polystyrene blank moulded to the precise shape of the board is then wrapped in sheets of glass and carbon fibre. Additional PVC foam and carbon fibre reinforcements are concentrated around the stress point of the fin/foil attachment box. The whole assembly is impregnated with resin and covered with a polymer (ASA) skin during the thermoforming process. This process, and the aluminium mould they're made in not only give the board exceptional durability, but also assures the other essential elements of a One Design production:

Consistent shape and weight

Tight control over the polystyrene shapes made here on site (geometry and hygrometry), precise measurement of resin for every board, and the manufacture of the polymer skin also made here on site, guarantee consistent production and is therefore perfect for monotype classes. During the Techno World Championships in Cadiz over 400 boards were individually weighed and showed never more than 5% variation between them.

The glass/carbon thermoformed composite has a shock resistance superior to other materials such as epoxy and polyester, giving them unbeatable durability/longevity.

In sailing clubs, a Techno 293 board is typically used 6 hours a week, 300 days a year, staying in great condition and ensuring top level racing over many seasons of use. That shows how resistant the ACE-TEC construction is. This strength is a determining factor for clubs and schools investing in new equipment and needing to spread the cost over several years.

An affordable price for the board, rig, foil and fin, and for spare parts.

We have always made a point of making spare parts available at the lowest possible price to help reduce maintenance costs for clubs, and to enable the biggest number of sailors possible to enjoy their sport. The same principal will also apply to Techno 130 Wind Foil.

A ROBUST, HIGH PERFORMANCE FOIL

We've got a brand new aluminium/G10/carbon composite foil that has been produced by our supplier Zeeko, a French company specialising in foils.

To be certain of our foil choice we asked some of the top Techno 2930D clubs and their racers to test the board/foil combination to its limits. The foil we selected was chosen for its performance at different speeds, its stability, its build-quality, and its ability to stand up to intensive use in sailing clubs.

The mast and fuselage are made from Aluminium for high resistance and great value for money.

The G10 front wing gives a great combination of strength and performance. This component gets a lot of knocks and its flat profile helps it stay in good condition even when stood on a rough slipway or jetty and makes it easy to repair.

The rear stabiliser is made of carbon and is raised up from the fuselage, making it less susceptible to damage.



TECHNO WIND FOIL

Mast height	900mm
Fuselage length	910mm
Front wing length/area	760mm / 850cm ²
Tail wing length/area	450mm / 260cm ²
Weight	7.0kg

RIGS: ONE DESIGN or SLALOM/FOIL

According to the class rules, two types of rig are authorised for competition: the One Design rigs that are already in use in clubs, and the new Techno Wind Foil rigs. To begin with, it will be the One Design rig that will mainly be used to launch the class. This will allow clubs to concentrate their investment on the boards and foils. The three One Design rigs, 5.8, 6.8, and 7.8 will therefore be the first engines of the new TWF 130 class. They each have 2 cambers, a semi-wide mast sleeve and race profile, and testing showed they have great performance and efficiency sailing with the foil.

TECHNO FOIL SAILS

The new Techno Wind Foil Sails have a more streamlined outline and bigger volume low down, and are fully adapted to the requirements of foil sailing. They quickly develop power to help take off in lighter winds and deliver high speed in flight. They've been designed to be compatible with the existing Techno 2930D masts, wishbones and extensions. This means the only equipment cost to clubs and individuals will be the sails themselves.



Size	Luff	Boom length	Base	Battens	Cams	Mast	Boom
5.6	424	172	0	7	2	430 SDM	160-210
6.3	443	182	14	7	2	430 SDM	160-210
7.0	466	192	6	7	2	460 SDM	160-210
7.8	494	201	34	7	2	460 SDM	160-210

FIRST RACES, FIRST SUCCESS!

Following the cancellation of the T293 OD World Championships, originally scheduled for the end of October in Torbole (Italy), the local club Circolo Surf Torbole took the initiative to organise a “reduced”, unofficial International Techno 293 OD event on the same dates. Almost 100 young racers from 7 European countries jumped at the chance of some quality end-of-season competition. The plan had been to also use the World Championships to showcase and launch the new Techno Windfoil class, and the replacement event filled that gap perfectly. Mission very much accomplished, with a week of perfect weather conditions. Every afternoon, was given over to test and demo sessions of the new Techno Windfoil 130 board and rigs, before the final day when they had the chance to race... which proved to be a spectacular day, with plenty of wind and sun, a total of six rounds of racing shared between the two age groups, U16 and U13.

This video says much more than a long speech could, and shows the great performances of the Techno Wind Foil Combo in all wind conditions. <https://youtu.be/-Yk-550Wggk>

Among the interested observers of the Techno Wind Foil development in Torbole were representatives of the Italian Sailing Federation and of the national T293OD class. They confirmed their enthusiasm and backing for the new project, and re-affirmed their support for Techno 293 OD.



MAURO COVRE **Technical Coach of the Italian Sailing Federation Junior Team**

“It was a very good foil event. The technical skills of the competitors were very varied, some had no experience, others had plenty. The wind conditions were difficult, very gusty, not easy for foil riding. Nevertheless, all the competitors seemed to have fun and were able to complete their races, even those with little or no experience. This shows that the board is easy to handle and well suited to younger age groups. If the format and race courses are appropriate there’s very little risk of failure.

All the same, I can’t see it replacing Techno 293 OD, which is still far and away THE best board for U16s to learn to race on.

IVAN OPRANDI

President of the Italian Techno Class:

“The Techno foil is easy to ride, especially for those who have never “flown”, and great fun for those who already have experience with this type of equipment. It’s the perfect complement to the Techno 293 class, completing the supply chain feeding into the Olympic class. The price is reasonable, the materials are strong. Its potential for monotype racing and easiness of use are big pluses, helping guarantee clubs a way of keeping a large base of young athletes interested and active ”.



EZIO FERIN **ex-President of the International Techno Class**

“To achieve similar success to Techno 293 OD, the new Techno Wind Foil had to show the same qualities : consistent performance in all conditions, low cost and above all, appeal to the young riders... and this is exactly what happened in Torbole ! The board is very easy to ride, the foil flies well and is very stable in flight. Despite the big 7sqm sail that all the youngsters were given to use, despite the strong gusts and despite their very varied skill levels and technique, 4 races have been completed. They also managed the much lighter afternoon wind (9-11 knts), getting up into flight and demonstrating the board’s wide wind range. Another good point: the new class will enable riders to race with their One Design sails already used on the Techno 293OD, thereby minimizing additional expenditure. A very helpful decision in these difficult times.”

CLEAN FRENCH MANUFACTURE

Tahe Outdoors has always invested in sustainable development with a strong environmental consideration for the whole supply chain :

- Tahe Outdoors manufactures in France, close to some of the country's biggest, most-frequented windsurf spots, which reduces transport needs and CO2 emissions.



- Tahe Outdoors operates in France and therefore within strict but fair European employment laws. No pollution, respect for the personnel.

- Tahe Outdoors emits zero greenhouse gases or pollutants in its board manufacturing processes.

- The infra-red thermoforming process for the ASA polymer sheets consumes minimal electricity, with very short production cycles.

- All off-cuts are recycled.

- Thermoformed boards have a much longer life-cycle than epoxy or polyester boards, they are therefore replaced much less frequently with lower consequent environmental impact

- Most of our suppliers (moulds, accessories, fins, paint...) are based in western France within 100km of our factory. This minimises our supply chain carbon footprint.

Polystyrene moulded blanks: manufactured on site

ASA/Polymer sheets: manufactured on site

Fins (injection process): 25km

Moulds: 30km

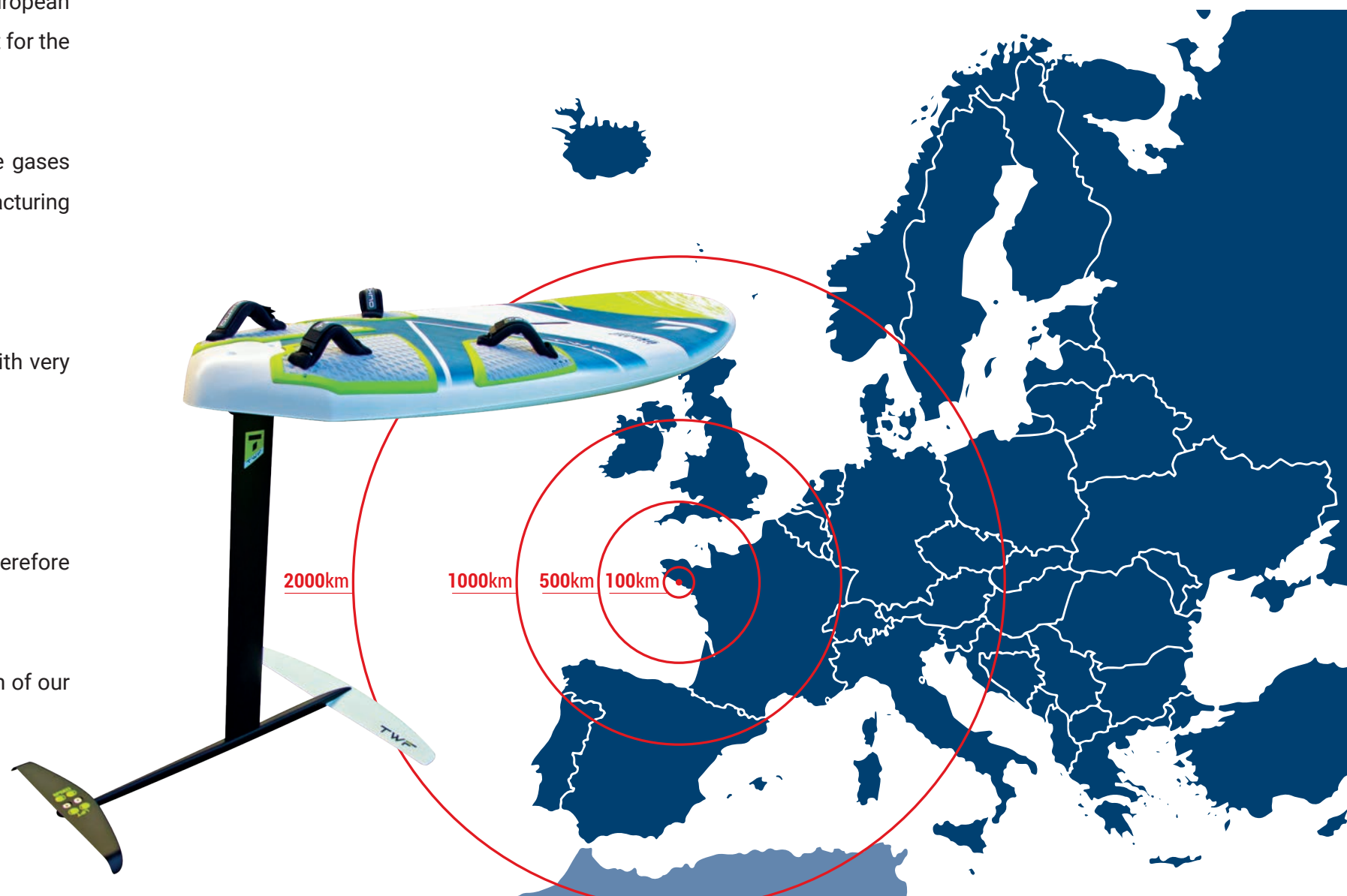
Accessories: 80km

Fins (glass/carbon moulded): 100km

Stickers: 100km

Pads: Western Europe 1000km

Plastic materials: Western Europe 1000km



TECHNO FOIL 130 RACING = LIMITED INVESTMENT

As with the Techno 2930D, we're offering long-lasting equipment at an affordable price.
For the Techno Wind Foil 130 board / One Design foil package, the cost is less than 2 500 Euros.
The possibility of using the existing One Design rigs that are already extensively used in clubs etc. reduces substantially the cost of getting into windsurf foil competition.

BOARD

Techno Wind Foil 130: **1 199 €** inc VAT
Select S1 fin: **199 €** inc VAT



FOIL

Techno Wind Foil aluminium - G10
1 299 € inc VAT



RIGS

Option 1

One Design rigs: 5.8, 6.8, 7.8 m²
Boom OD 205-255
Masts 430, 460 OD
OD Extension



Option 2

Techno Wind Foil rigs: 5.6, 6.3, 7.0, 7.8 m²
Booms OD 185-235 / OD 205-255
Masts 430, 460 OD
OD Extension
779 € Sail only, inc VAT *
(for the 7.0m²)



*New Techno Foil sails have been designed to be compatible with the existing Techno 2930D masts, wishbones and extensions. This means the only equipment cost to clubs and individuals will be the sails themselves.

WIND FOIL 130 RACING = A LONG-LASTING INVESTMENT

The ACE-TEC construction process has already proved its worth with the Techno 2930D: it's the best possible material for a board that will be used intensively in sailing clubs. As we've already pointed out, Techno Wind Foil boards have a vastly superior life-expectancy than Epoxy or Polyester boards.

WIND FOIL 130 RACING = THE FULL SUPPORT OF A DYNAMIC INTERNATIONAL CLASS AND STRUCTURE

The development of the Techno Wind Foil 130 class will begin by using the ready-made Techno 2930D event circuit, with its worldwide fleet of almost 10,000 riders in over 60 countries.

Its strong structure, its deep relationship with sailing clubs all over the world, its dynamism and its recognition by World Sailing and the Olympic Committee (the official Youth Olympics board) have won respect all round. These factors will enable it to take the new international monotype Windsurf Foil class under its wing and springboard its development.

The full race rules are being finalised, in collaboration with the Techno 2930D class who are actively involved in its launch and future development. The project was presented at the last World Championships in Cadiz in October 2019, receiving immediate support from 35 countries present. This guarantees a sizeable entry list at the first international competitions, which will be held in 2021, and lead to rapid recognition by World Sailing as a stand-alone International Class.

Techno Wind Foil 130 racing also means adopting the "Techno" mentality which seems to fit well with so many young sailors. The high skill level on the water and the fair-play spirit, plus the unique atmosphere on the beach among friends from all over the world, are a huge part of the Techno class DNA. A unique and successful concept that can only boost the development of the new Techno Wind Foil 130 class.

WORLDWIDE DISTRIBUTION AND COMPREHENSIVE COMPETITOR SUPPORT

Take Outdoors' global distribution network and business structure allows us to send significant numbers of boards etc. for "charter" at major international competitions.

- Making them available is indispensable for all the competitors travelling internationally, meaning they can compete at their best level on brand new equipment
- During Techno 293 OD major international events (World Championships, European Championships, Youth Olympics...) Tahe Outdoors has always ensured a comprehensive, professional presence, with large-scale equipment and personnel support.
- The same principal will also apply to monotype Techno 130 Wind Foil competitions, guaranteeing its future development.



INTERNATIONAL DEVELOPMENT OF THE TECHNO 130 WIND FOIL CLASS

The new Techno Wind Foil class will take its place alongside the other classes in the international competition structure.

From 10 to 15 years old the Techno 2930D continues to be the foundation of windsurfing, a board on which 10 to 15 years old can learn how to race, and then compete up to a very high level. Even following the decision to opt for foil racing at the Olympic Games, World Sailing is committed to continuing fin boards, specifically the Techno 2930D, as the essential means of entry to Monotype racing, helping U15 sailors progress to high-level competition.

From 15 to 17 years old and onwards, various board options are available for competition, dividing into two main categories: WITH or WITHOUT foil.

The WITHOUT foil category includes the Techno 293+ (the official Youth Olympic board), Raceboard, Formula Windsurfing and Funboard.









The new WITH foil category, led by the Olympic iFoil, also includes Formula Windsurfing Foil and Funboard Foil. For youth sailors (U17 and U19) it's the Techno 130 Windfoil One Design that will be the must-have board for monotype windsurf foil racing.

The class will develop initially by running alongside the established international Techno 293 OD class.

2021 competition programme

The spring 2021 programme of Techno Wind Foil 130 competitions and test events is currently being finalised and ratified.

End October: Techno World Championships. An International Techno Wind Foil competition will be organised during the race week. "Charter" boards and foils will be available at this event. You'll be able to find the full Techno Wind Foil 130 competition programme at www.techno293.org

		WINDSURF CLASSIC					WINDSURF FOIL			
		OTHERS	RB	293+	FUN	FW	FUN	FW	TWF130	iFOIL
Age										
77	SENIORS									
25										
24										
23										
22	U25 YOUTH									
21										
20										
19										
18	U19									
17										
16	U17									
15										
14	U15									
13										
12	U13									
11										

TECHNO
WIND FOIL 130



TECHNO
WIND FOIL 130
CLASS