





#### Foiling is the future!

Since ten years for now, we believe in, develop, and promote «outside the box» products, and windsurf foil is a part of them.

We strongly believe that the future of the windsurf comes with innovation, and with the foil for the awesome sentations and possibilities it brings..

In 2017, to succeed to the legendary AFS-1, we're proud to present you a complete range of Foil products, covering all needs, from beginners to competitors.

But we don't forget what we love in windsurfing and the amazing feeling of planing.

That's why we also have worked really strong with Diony Guadagnino to develop our new SL3 range. All details have been improved to make the best boards to race.

We use our experience and that of our riders to offer you the most successful and most efficient boards.

Our philosophy is still to develop the best performing boards in their program maintaining tolerance making them easy to push to the maximum of their capacities.

This is why our boards do not change every year. The novelty is only necessary when it brings real benefit to your practice.

Because windsurfing is our passion, we look forward to sharing it with you.

See you on the water.



## EXPRESSION

## LEISURE

DG



Wave program Double Carbon Kevlar Diony's Guadagnino pro-model.

#### **EXPRESSION**



Wave - freewave program Double carbon kevlar Performing and efficient in all conditions

#### **SEALION**



Wavesailing-sup-freeride program Wood sandwich / Carbon The ultimate windsup for

all riders

#### SEALION WINGS



Foil-wavesailing-sup-freeride program Wood sandwich / Carbon The most versatile board

on the market.

# ACE

FREERACE

115 / 130 / 145 Freerace program

Wood sandwich / Carbon Full of sensations for everybody



117 / 130 / 145 / 160 Freeride program Wood sandwich Accessible and scalable, Freeride in its purest form.



170 / 190 / 230 Initiation program Wood sandwich Easy, perfect to begin and progress





Wavesailing-sup-freeride initiation program

Wood sandwich / Carbon

The Sealion XL with a full EVA deck pad for beginners.

## SPEED

SL3



105 / 115 / 128 Race / Slalom program Double carbon Tolerant and ultimate performance.

SL2



92 / 112 / 122 / 132 Slalom / Freerace / Foil program Double carbon Tolerant and ultimate perfor-

**AFS** 



Windsurf foil program Double carbon The foil-board combo of

110 / 125

TACTIK



250 L Raceboard program Wood sandwich Modern raceboard performances.



### **TECHNOLOGY**

UN PROCESSUS DE FABRICATION UNIQUE DURANT LEQUEL TOUTES LES COUCHES DE TISSUS ET RENFORTS SONT APPLIQUÉS DANS UN MOULE PUIS CUITES SUIVANT UN PROCESSUS PERMETTANT UNE POLYMÉRISATION IDÉALE DES RÉSINES, POUR UNE REPRODUCTION PARFAITE ET UN RAPPORT POIDS/SOLIDITÉ OPTIMAL.

C'EST LE ONE SHOT SANDWICH SYSTEM.



#### O3S

This construction consists of a deck and hull in PVC-glass sandwich.

This is the best price/weight/strength ratio that you can find.

Our Sealion ranges, Fast Forward, Freerace, Zen and Tactik are built in this technology.

	O3S	O3S Carb	O3S Double Carb	O3S Double Carb/Kev
DG				X
Expression				Х
Sealion	Х		Х	
Sealion Wings	Х		Х	
FreeRace		Х		
SL2			Х	
AFS			Х	
Tactik	Х			
Fast-Forward	Х			
Zen	Х			
Summerboard	Х			



#### O3S Carb.

This construction consists of a deck and hull in PVC-carbon sandwich.

The construction is optimized to provide you with nervousness and lightweight carbon at the best price.

Our FreeRace Carb range, is built in this technology.

#### O3S double Carb.

This construction consists of a deck and hull in PVC- double carbon layer sandwich.

The result is a very lightweight and responsive structure without compromising on strength.

Our SL3, SL2, AFS-1 Carb Sealion range are built in this technology.

#### O3S double Carb Kevlar.

This construction consists of a deck and hull in PVC- double carbon kevlar layer sandwich.

The result is a very lightweight and responsive structure without compromising on strength while staying comfortable..

Our SL2, AFS-1 and Sealion-Carb range are built in this technology.





Diony wished to develop, with AHD, a single and efficient board which could shine from Jaws to Gran Canaria, Hookipa or Brittany's spots, regardless of the wind conditions: side-off or side-on, strong or soft.

Differences showed clearly as early as with the first prototypes and an outstanding windsurf board was born.

«The DG Wave for me is pure freedom, when my feet are locked in everything feels so close to perfection! My first step on the board I couldn't believe how easy and responsive it was to my body movements! It's the first time ever going from my favorite custom board to a production and not wanting to go back on my custom! Love it! » Diony Guadagnino.

#### SHAPE

Set with a quad/twingle (very close to each other twin fins which associate the grip of a single fin to the manoeuvrability of multi fins), DG Wave boards are fast, precise and manoeuvrable!

Their « drive » complements exceptional capabilities in the curves.

Very stable when on the rail, this board allows any curve from the most precise to the most powerful. Its shape gives a totally safe feeling in curves, whatever the size of waves.

On the way out, or in on-shore winds, the twingle set-up grants the lift of a single fin - a guarantee for high speed at all wind angles - boosted by a double concave morphing into a deep single one on the aft two-thirds of the board.

A V forward grants excellent control and helps raise the front rails in order to never stall in front of the curve. Added on a compact outline, these specific parameters craft a high capability wave board.

Model	DG 83	DG 93
Length	227 cm	230 cm
Width	57,2 cm	60,6 cm
One Foot Off	35 cm	37,4 cm
Volume	83 L	93 L
Weight	6,3 kg	6,7 kg
Technology	O3S double Carbon Kevlar	O3S double Carbon Kevlar
Fins	Twingle 14.5cm (2x Select)	Twingle 14.5cm (2x Select)
Sails	3.5 - 5.8	4.2 - 6.2



The new wave / Freewave range by AHD: the Expression. The shapes have been developed to perform well in all conditions, on all water bodies. A reasonable length associated with a harmonious outline and optimal volume distribution, everything is done to combine ease of use and optimal performance.

Perfect waves in the background or on the worst stretches of water, they know everything. With their sandwich construction of double carbon-kevlar, they are highly reactive, and fear nothing!

#### SHAPE

The slightly above average lenght shape promotes planing, replacement on the playground, and board speed. She brings tolerance and great range.

The quite rockered scoop-line is re-tensioned by a mix of concave: explosive handling, nerve and accelerations in curves surfing.

Vee on the front raiser rail section and increases the maneuverability, the radicalism in the hollow, and comfort in the battered bodies of water.

A double concave under the support zone for speed, comfort and performance in choppy seas that ends on a single concave to the rear to boost speed on all water bodies.

Model	Expression 75	Expression 85	Expression 95	Expresssion 105
Length	232 cm	234 cm	235 cm	237 cm
Width	56 cm	28,5 cm	61,1 cm	63,8 cm
Volume	75 L	85 L	95 L	105 L
Weight	6,5 kg	6,8 kg	7,0 kg	7,1 kg
Technology	O3S double Carbon Kevlar	O3S double Carbon Kevlar	O3S double Carbon Kevlar	O3S double Carbon Kevlar
Fins	Tri 17 cm / 9 cm (Select)	Tri 18 cm / 9cm (Select)	Tri 19 cm / 9cm (Select)	Tri 19 cm / 9cm (Select)
Sails	2.5 / 5.3	3.5 / 6.0	4.0 / 6.5	4.3 / 7.0





The SeaLion concept is a unique Wind Sup (windsurf board cum SUP) concept. With outstanding performance when light wind windsurfing and free riding or when stand up paddle surfing, the SeaLion will allow you multiplying sessions in any condition, waves, flat water, strong or absent winds, you just need one board to experience it all

To make sure that anyone can enjoy it, we have built a full range of SeaLions tailored to specific individual needs.

#### SHAPE

Our SeaLion concept is based on retro-fish surf boards, in order to mix speed and manoeuvrability even in light conditions. Along the years we have tweaked these shapes for the SeaLion to be as performing when planing in strong winds as when paddled in the surf.

A wide board along its whole length, the association of a very moderate thickness makes it a stable and accessible board, without sacrificing radicalism in all conditions.

Model	Sealion Pro	Sealion 8'3	Sealion XL	
Length	232 cm	253 cm	274 cm	
Width	74 cm	75 cm	75.6 cm	
One Foot Off	59.5 cm	59.5 cm	59.8 cm	
Volume	115 L	150 L	152 L	
Weight	8 kg	9.5 kg	10 kg	
Technology	O3S	O3S	O3S	
Fins	twin 16cm	twin 19cm	twin 21cm	
Sails	2.5 / 6.0	2.5 / 7.0	2.5 / 8.0	



The SeaLion concept had nothing to prove anymore! Stand Up Paddle, Windsurf; it was the ultimate Wind sup. To push it even further and try a new experience, we chose to add our AHD foil on it. A few prototypes later and after some serious work on the hull bottom, the SeaLion Wings was born. This is a whole new universe that is going to open for you, with one single board: light wind wave riding, classical free ride, stand up paddle surf, foil wind surfing on flat water, stand up paddle foiling. No more limits for you with this do-it-all board

In the surf this is the most explosive of the SeaLions, the faster one on flat water and ... in the air: the only one!

Welcome into another dimension!

#### SHAPE

When developing the SeaLion Wings, we were looking to both improve on the surfing performance of the SeaLion PRO and optimize gliding capabilities with a foil. Rails have been sharpened, thickness reduced and a large concave added between the twin fins.

This is a more reactive board which surfs really close to the wave through. We also increased the nose scoop to make it a more tolerant board when surfing in the wave through.

Model	Wings 7'6	Wings 8'6	Foil
Length	232 cm	259 cm	96 cm
Width	74 cm	74 cm	76 cm
One Foot Off	59.5 cm	59.5 cm	-
Volume	109 L	125 L	10 L
Weight	8 kg	8,5 kg	3.5 kg
Technology	O3S double Carbon	O3S double Carbon	Full carbon
Fins	twin 16cm	twin 16cm	-
Sails	2.5 / 6.0	2.5 / 6.0	



The AHD Freerace range is for speed and high performance addicts, but want less physical than pure slalom boards. Like SL2, the Freeraces boards are comfortable, easy to jibe, but do not ignore the planing and top speed.

Twe constructions are available, classic (One chot Sandwich) and Carbon.

#### SHAPE

The shape is stiffened through «Stringer Deck» system (created on our slalom boards in 2006) for more performance. The double concave bottom ensures performance in all gaits. The Vee in the front and rear gives the curve and tolerance to jibe, and comfort in choppy seas. Sharp rails on the rear of the hull ensures an explosive glide!

Model	Freerace 115	Freerace 130	Freerace 145
Length	242 cm	245 cm	245 cm
Width	71 cm	77 cm	82 cm
One Foot Off	47,6 cm	51 cm	54,5 cm
Volume	115 L	130 L	145 L
Weight	7,0 / 7,5kgs	7,6 / 8,1 kgs	8,4 kgs
Technology +	O3S carb / O3S	O3S carb / O3S	O3S carb / O3S
Fins	39cm TT	41cm TT	45cm TT
Sails	4.5 / 7.5	5.0 / 9.0	6.0

CHI



At AHD, we think that, to make the most of a slalom shape and perform to the max, the shape must remain smooth to ride, comfortable in the chop and provide a sound curve in the jibe, so that you can sail at 100% from the hit start till the end.

That is with this in mind that we have developed our SL2s, together with Diony Guadagnino, and obtained a board which has shined on World Cup slalom races as well as in long distance races such as the "Défi Wind".

**NEW IN 2017:** to allow all riders enjoying the foil sensations, whatever the foil they want to use, and with the security of a dedicated and reinforced construction, our 2017 SL2s are now «Foil Friendly». With our experience of specifics windsurfing boards construction we cann propose boards which will resist to huge foils contraints.

#### SHAPE

Pascal and Diony have subtly amended the shape in order to increase « top-speed » performance.

Rails are now squarer.

On a shorter outline, the hull-bottom sports a long V and a progressive double-concave.

All this is meant to improve the board's intrinsic speed.

The mast-foot position is sunk into the deck.

The exclusive OSS Carbon Double Sandwich boosts performance while bringing further lightness and rigidity!

Model	92	112	122	132
Length	238 cm	236 cm	234.5 cm	233 cm
Width	59.6 cm	68 cm	76 cm	79.6 cm
One Foot Off	40.1 cm	46.2 cm	53.1 cm	55 cm
Volume	92 L	112 L	122 L	132 L
Weight	-	-	-	-
Technology	O3S double Carbon	O3S double Carbon	O3S double Carbon	O3S double Carbon
Fins	non fourni	non fourni	non fourni	non fourni
Sails	4.5 / 7.5	5.0 / 9.0	6.0 / 9.7	7.0 / 11
Foil Friendly	no	yes	yes	yes



The new SL3 reflects Diony Guadagnino's desire to push the AHD slalom range to its maximum performances. The outline, the hulls, the cuts, the position of the boxes, all have been reviewed and refined to obtain the best performance in all conditions. No compromise has been accepted, the SL3 will accompany you in all your victories.

#### SHAPE

Pascal and Diony have worked really hard to reach the targeted result. The board are shorter and wider, thinner. On a shorter outline, the hull-bottom sports a long V and a progressive double-concave to flat.

The double cut-outs have been developed for the good compromise between speed, planning and relaunch to the jibe.

All this is meant to improve the board's intrinsic speed. The mast-foot position is sunk into the deck.

The new OSS Carbon Double Sandwich specific for SL3 is lighter and boosts performance!

Model	105	115	128
Length	231 cm	231 cm	229 cm
Width	67 cm	71 cm	81,5 cm
Volume	105 L	115 L	128 L
Weight	6,4 kgs	6,8 kgs	7 kgs
Technology	O3S double Carbon	O3S double Carbon	O3S double Carbon
Fins	non fourni	non fourni	non fourni
Sails	5.0 / 9.0	6.0 / 9.7	7.0 / 11



America's Cup, Moth, and Open 60, high-performance sailboats are now past the foiling revolution: take-off earlier, go faster.

True to their commitment to innovation and once more ahead of a revolution in windsurfing the AHD team entered, years ago, a series of tests and trials till they launched their own foiling machine the AFS-1, in 2012.

In 2017, we are proud to present the latests evolutions of our historical concept : new boards, new wings, new foils...

We present to you a new range of products matching with all users needs, whatever your goals in this quest of sensations: beginners, experts, specifics or convertibles boards, AHD or deep tuttle boxes...

All our products are designed and constructed to provide the best performances in each domains.

#### AHD Foil box:

During our firsts tries, we understoud that the common Deep Tuttle box wasn't really adapted to the windsurf-foil practice.

The foil was moving forward in the box, the resistance wasn't strong enought, that's why we decided to create a dedicated box.

The AHD box is deeper, larger, stronger, the assembly is easy, the foil can't move in the box.

And because we know that's a good solution for winfdsurfers who don't want to break their material, this box is open source and already used by other foil brands.



**AFS Ride:** A new foil with big delta-type fint wing, ultra-versatile, that you can use in windsurf foil as in SUP foil. The area is important to allow a fast take-off, at low speed. The shape makes it tolerant and manoeuvrable. Construction: Full K or Alu/PU (for schools). Availability: spring 2017.

AFS-1 mk2: The new version of the original AFS-1. We just change the new front wing to increase the performances in upwind, increase the tolerance for more accessibility, and the average speed is better, while keeping the ultra lightwind take-off which made the AFS-1 reputation. Availibility early 2017, in complete combo or front wing only (compatible with existing AFS-1 foils).

**AFS-2**: The AFS-2 is our new competition foil. Developed from a blank template we searched for the performance in competition. all the profiles have been optimized to mix the best performances in take-off, upwind, down winds, and top-speed. Two differents front wings to match with all wind conditions, only one target, to be the first at the finish line. Availability: spring 2017



#### AFS-1 board:

The AFS-1 is the first board specially developed for the foil and is still efficient and ultra versatile with its moderate volume and specific shape with the hole on the nose, which allows to control the board in the strong wind, retaining the advantages of a good rails length to optimize the planing and the soft landings.

Its advanced AHD box helps to fly in the light wind and at low speeds.

#### AFS-2 board:

The AFS-2 is our latest specific windsurfing-foil board evolution. Wider, shorter, with more volume, she has been developed integrating years of research and matching with the new contraints given by the new foils generations and foils competitions.

The planing is faster, easier, and the flat deck with specific rail shape under the feet favors perfect transmission of the bearings and power towards more control and performance. It allows a more powerful navigation and comfort to the counter-heel.

You will feel better placed and more powerful to increase your control and optimize your flight.

We kept the advanced position of the AHD box to help to fly in the light wind and at low speeds.

Boards	AFS-1	AFS-2
Length	238 cm	230 cm
Width	67.5 cm	75 cm
One Foot Off	53.1 cm	-
Volume	110 L	125 L
Weight	8,5 kgs	8,5 kgs
Technology	O3S double Carbon	O3S double Carbon

Foils	AFS Ride	AFS-1 Mk2	AFS-2	
Shaft	96 cm	96 cm	96 cm	
Front Wing	- cm	- cm	- cm	
Area	-	-	-	
Weight	3.5 kg	3.5 kg	3.5 kg	
Technology	PU/Alu	Full carb.	Full carb.	
Discipline	WInd/SUP	WInd	Wind perf	





The AHD Tactik's purpose is quite simple: to fill these 0-15 knots days while discovering, again, the advantages and fun of race boards without their shortcomings.

The AHD Tactik sports outstanding gliding capabilities, thanks to its true-bowed hull, its carbon centre board and its light weight. It keeps performing in increasing winds, thanks to its planing hull and planes from 10 knots onward.

It was designed for holiday-makers who want to find back the original sail boarding joy, lake sailors and course racing enthusiasts.

#### SHAPE

When we were progressing through the Tactik prototypes, our aim was to synthesize all technical improvements from the latest years and mix them astutely in order to reach our original targets.

Its nose is in the shape of a rather high true bow in order to break through the chop and to enhance glide in light winds too.

The two aft thirds of this board show an optimised shape, which induces fast planing and performance in high regimes.

This board is thick (18cm) and wide (76cm). Its high-tech sandwich construction has allowed minimising weight at 13kg for a 250L volume.

Its centre board, 100% carbon, is easy to drop or rise with one single foot.

Model	Tactik
Length	320 cm
Width	76 cm
One Foot Off	59 cm
Volume	250 L
Weight	13 kg
Technology	O3S
Sails	5.0 / 9.5

## FAST FORVARD





#### CONCEPT

The AHD Fast Forwards are dedicated free ride boards and the key to your windsurfing fun: their shape is doing it all for you.

Make your sail boarding jump fast forward thanks to these easy and tolerating boards, they shall not hamper your wish to progress in a wide range of conditions

Fast and easy to ride, they'll allow you feeling comfortable and progressing at your own rhythm, without depriving you of these sensations which make windsurfing such a magic sport.

#### SHAPE

All parameters needed for you to progress have been incorporated in shapes which have the ability to work well and adapt to the rider: on a harmonious outline, a large double concave will trigger easy accelerations, thanks to the lateral flats and the rounded and voluminous rails, which stabilize the board.

The OSS epoxy-glass sandwich construction guarantees a perfect compromise between comfort, strength and lightness.

Model	107	117	130	145	160
Length	250 cm	252 cm	253 cm	256 cm	268
Width	64 cm	67.5 cm	72 cm	77 cm	79 cm
One Foot Off	40.8 cm	43.5 cm	47.2 cm	52.7 cm	54.2 cm
Volume	107 L	117 L	130 L	145 L	160 L
Weight	8 kg	9.5 kg	10 kg	10.5 kg	11.5 kg
Technology	O3S	O3S	O3S	O3S	O3S
Fins	FR 36cm	FR 40cm	FR 44cm	FR 48cm	FR 50cm
Sails	4.5 / 7.0	5.0 / 7.8	5.5 / 8.5	5.5 / 9.5	5.5 / 10.5

#### CONCEPT

AHD Zen boards have been designed with the only purpose of making windsurf learning, easy, playful and evolutionary.

These boards have been developed to help you progress fast but at your own rhythm. With a yet unknown stability and the tolerance that your own progress requires, their shape will get you progressively onto a plane.

We have split the range in three volumes to offer the best characteristics for a fully assisted progress into fun boarding!

With the schools' business in mind we have covered the full deck and rails with an EVA pad, and kept them easy to handle despite their volume.

#### SHAPE

The long outline proves ideal for stability, feet pressure and tolerance. The progressive scoop line guarantees a stable and easy planing start and a good glide at low speed. The double concave allows reducing the wetted surface when planing while increasing performance.

The soft and comfortable EVA full-pad shall protect the board when moving it up and down on the beach as well as the rider in case of fall.

Model	170	190	230
Length	270 cm	290 cm	295 cm
Width	79.5 cm	80.5 cm	90 cm
One Foot Off	54.7 cm	60.7 cm	71.2 cm
Volume	270 L	290 L	295 L
Weight	12,5 kg	13,5 kg	14,5 kg
Technology	O3S	O3S	O3S
Fins	AHD Start 30cm	AHD Start 30cm	AHD Start 30cm
Sails	2.5 / 10	2.5 / 11	2.5 / 11





The SeaLion concept is a unique Wind Sup (windsurf board cum SUP) concept. With outstanding performance when light wind windsurfing, free riding or when stand up paddle surfing, the SeaLion will allow you multiplying sessions in any condition, waves, flat water, strong or absent winds, you just need one board to experience it all.

The Summer Board is the specific SeaLion XL version for schools. It shall allow you to try and learn windsurfing as well as stand up paddling, with excellent progressing abilities. This is the ideal product for clubs and schools.

#### SHAPE

Our SeaLion concept is based on retro-fish surf boards, in order to mix speed and manoeuvrability even in light conditions. Along the years we have tweaked these shapes for the SeaLion to be as performing when planing in strong winds as when paddled in the surf.

A wide board along its whole length, the association of a very moderate thickness makes it a stable and accessible board, without sacrificing radicalism in all conditions.

Model	Summer Board
Length	274 cm
Width	75.6 cm
One Foot Off	59.8 cm
Volume	152 L
Weight	10 kg
Technology	O3S
Fins	twin 21cm
Sails	2.5 / 8.0







#### Boardbags AHD.

**Simple boardbag**: For one board. 240x80cm. 5 mm foam, 10mm reinforcements on nose and tail. Intérieur PE to protect from heat, exterior nylon 600d. Large nylon ZIP, all along the lenght.

**Double boardbags**: For two board. 240x80cm. 5 mm foam, 10mm reinforcements on nose and tail. Intérieur PE to protect from heat, exterior nylon 600d. Large nylon ZIP, all along the lenght. Wheels.



In light winds, the entire surface of the sail must work so that the slightest breath of air is used wisely. The sail shall be used to support and become extremely handy on demand. Its construction must be consistent with the high frequency of sailings, the needs of beginners, and to resist the greediest taken to the best waves traps.

The head of the Sealion Sail 2015 is slim. It offers more stability without loss of power.

The fall is tense, to optimize performance, and that is sustainable Dacron construction that will work smoothly and provide the twist in the gusts.

The boom length is greater, but the form at the listening position will provide the «back hand» light: the power to leave early and restart vague to the top of the roller, without any feeling of heaviness.

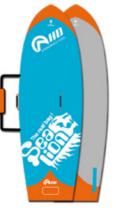
The border is virtually right and offers maximum maneuverability. It never comes in contact with the legs, water or waves when one goes up the bar.

Power is centered above the wishbone, the bar passage is facilitated and power brings more explosive in the maneuvers.

The guiding Round (curvature of the mat) is low: the Sealion 2015 Sail passes as well on a 430 than a 400 (SDM or RDM). The concept slats 3 (2 + 1 full floating) participates in ultra light weight and also studied the distribution of power and neutrality of sailing lorgue which is opened a little.

A single setting, top-notch handling and feeling of absolute freedom!

**Surface:** 5.5m2 / Mat: 442cm / Wish: 188cm / Weight: 2.9kg / Dacron + PVC window Range: Beginner to Pro, flat waves, 1-20 knots.





#### Sealion Collection.

**Simple Salion boardbag**: Adapted for the Sealion shape. For one board. 5 mm foam, 10mm reinforcements on nose and tail. Intérieur PE to protect from heat, exterior nylon 600d. Large nylon ZIP, all along the lenght.

2 sizes:

S (Sealion Wings - Pro) M (Sealion 8'3 - 8'6)

**Sealion Paddle**: Full carbon paddle, vario, comfortable and performing. This padle fits with all practice levels.

**Sealion Leash:** 9' leash, thickness 9mm, for ankles.

