



# AHD COLLECTION 2016







## - AHD 2016 -

AHD offers a complete range of windsurf boards to cover all sailing conditions.

We are constantly innovating to open up new horizons, especially in light wind: the Sealion, the foil AFS-1, the Wings and Tactik are there to prove it.

We use our experience and that of our riders to offer you the most successful and most efficient boards. DG, Fast Forward, SL2, and Zen unfailingly accompany you in your best sessions.

All our boards are built with a process One Shot Sandwich molded, allowing a double cooking resins and gives our products an optimal weight-strength ratio.

In 2016, we also innovate with a unique construction on the market, a double carbon sandwich PVC skin and SL2, and carbon-kevlar skin on the DG and Expression, for even more lightness and strength.

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

See you on the water.





WAVE

FREEWAVE

WINDSUP

FREERIDE

FREERACE

SLALOM

FOIL

RACE

ÉCOLE



DG

83 / 93



EXPRESSION

75 / 85 / 95 / 105



SEALION

WINGS / PRO / 8'3" / XL



FAST FORWARD

117 / 130 / 145 / 160



FREERACE

115 / 130 / 145



SL2

92 / 112 / 122 / 132



AFSI / WINGS

110



TACTIK

250



ZEN

170 / 190 / 220



SUMMER / BOARD

150

WINDSURFING IS YOURS



# DG PM WAVE

## CONCEPT

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 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.WAVE 83	DG.WAVE 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 +	Double Sandwich Carbon-kevlar	Double Sandwich Carbon-kevlar
Fins	Twingle 14.5cm (2x Select Prowave Evo)	Twingle 15.5cm (2x Select Prowave Evo)
Sails	3.5 – 5.8	4.2 – 6.2







# EXPRESSION FREEWAVE

## CONCEPT

The new range wave / Freewave 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

\*coming soon

Model	Expression 75	Expression 85	Expression 95	Expression 105
Length	232 cm	234 cm	235 cm	237 cm
Width	56 cm	58,5 cm	61,1 cm	63,8 cm
One Foot Off				
Volume	75 L	85 L	95 L	105 L
Weight	6,5 kg	6,8 kg	7,0 kg	7,1 kg
Technology +	Double Sandwich Carbon-kevlar	Double Sandwich Carbon-kevlar	Double Sandwich Carbon-kevlar	Double Sandwich Carbon-kevlar
Fins	Tri 17 cm et 10 cm	Tri 18 cm et 10 cm	Tri 19 cm et 10 cm	Tri 20 cm et 10 cm
Sails	2.5 / 5.3	3.5 / 6.0	4.0 / 6.5	4.3 / 7.0







# SEALION WINDSUP

## CONCEPT

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	135 L	150 L
Weight	8 kg	9.5 kg	10 kg
Technology +	Sandwich epoxy	Sandwich epoxy	Sandwich epoxy
Fins	twin 16cm	twin 19cm	twin 21cm
Sails	2.5 / 6.0	2.5 / 7.0	2.5 / 8.0





80's / Bluerange

# SEALION WINGS

## WINDSUP-FOIL

### CONCEPT

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	Sealion Wings
Length	232 cm
Width	74 cm
One Foot Off	59.5 cm
Volume	109 L
Weight	8 kg
Technology +	Sandwich epoxy
Fins	twin 16cm
Sails	2.5 / 6.0





# FAST FORWARD FREERIDE



## 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	1.5 kg
Technology +	Sandwich epoxy	Sandwich epoxy	Sandwich epoxy	Sandwich epoxy	Sandwich epoxy
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



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# FREERACE FREE-SLALOM

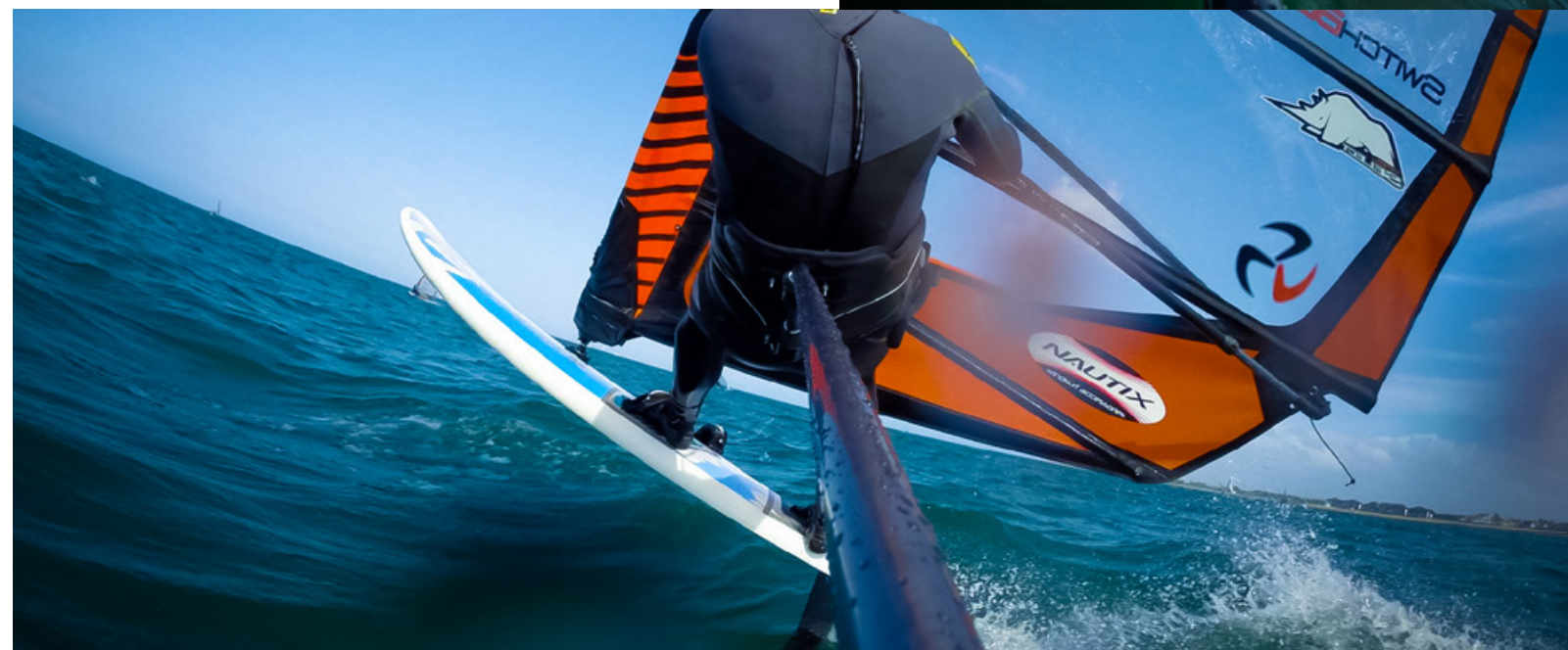
## CONCEPT

The Freerace AHD 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.

## 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	40.1 cm	46.2 cm	53.1 cm
Volume	115 L	130 L	145 L
Weight	7,2Kgs	7,9 Kgs	8,1 Kgs
Technology +	Sandwich Epoxy / Sandwich carbone	Sandwich Epoxy / Sandwich carbone	Sandwich Epoxy / Sandwich carbone
Fins	non fourni	non fourni	non fourni
Sails	4.5 / 7.5	5.0 / 9.0	6.0 / 9.7







# SL2 SLALOM

## CONCEPT

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”.

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

Cut-outs have made their way back and reduced wetted-surface when planing.

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 +	Double Carbon Sandwich	Double Carbon Sandwich	Double Carbon Sandwich	Double Carbon Sandwich
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







# AFS-1 FOIL

## CONCEPT

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.

The AHD AFS-1 is clearly the only hydrofoil to have been designed and developed, from scratch, for the constraints and specificities in windsurfing. Want to discover unique sensations and already fly from 4 knots wind speeds? That's what the AFS-1 offers you!

## SHAPE

The foil's fuselage is voluminous too. This provides that little extra, which allows taking-off even earlier and flying longer through lulls.

Wings are wide, their profiles thick, their twist carefully designed to enhance power, lift, stability and tolerance. The winglets regulate the water flow on the wings to maximise power and generate the lift needed for taking off earlier.

You will now easily visualise the applied forces and stresses to which the foil is submitted. Full carbon construction and reinforcements have been compulsory to achieve the lightness/strength mix required to get a 110l board up and flying in 4 to 15 knots of wind with a 7sqm sail.

Model	AFS-1	Foil
Length	238 cm	96 cm
Width	67.5 cm	76 cm
One Foot Off	53.1 cm	-
Volume	110 L	10 L
Weight	6.5 kg	3.5 kg
Technology +	Full Carbon Sandwich	Full carbon
Sails	4.5 / 7.5	-







# TACTIK RACEBOARD

## CONCEPT

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	11 kg
Technology +	Sandwich epoxy
Sails	5.0 / 9.5







# ZEN INITIATION

## 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	170 L	190 L	230 L
Weight	10 kg	11 kg	12 kg
Technology +	Sandwich epoxy	Sandwich epoxy	Sandwich epoxy
Fins	AHD Start 30cm	AHD Start 30cm	AHD Start 30cm
Sails	2.5 / 10	2.5 / 11	2.5 / 11





# SUMMER BOARD INITIATION



## CONCEPT

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 AND SPECS TECHS ARE THE SAME THAN SEALION XL.

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





# SEALION SAIL CROSS-OVER SAIL



The new Sail Sealion is an ultra versatile sail, easy, light, stable, highly maneuverable, durable and efficient !

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 lorque which is opened a little.

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

Surface: 5.5m<sup>2</sup> / Mat: 442cm / Wish: 188cm / Weight: 2.9kg / Dacron + PVC window

Range: Beginner to Pro, flat waves, 1-20 knots.











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