



Philip Koster Australia John Carter

innovation quality

STARBOARD 2017

Philip Koster Australia John Carter



2015 PWA Constructors' Champion 2014 PWA Constructors' Champion 2013 PWA Constructors' Champion 2012 PWA Constructors' Champion
2011 PWA Constructors' Champion 2009 PWA Constructors' Champion 2008 PWA Constructors' Champion

Starboard have won more PWA Constructor's Champion titles than all other brands combined, with every Overall and Event titles won on production equipment.

innovation
STARBOARD
quality

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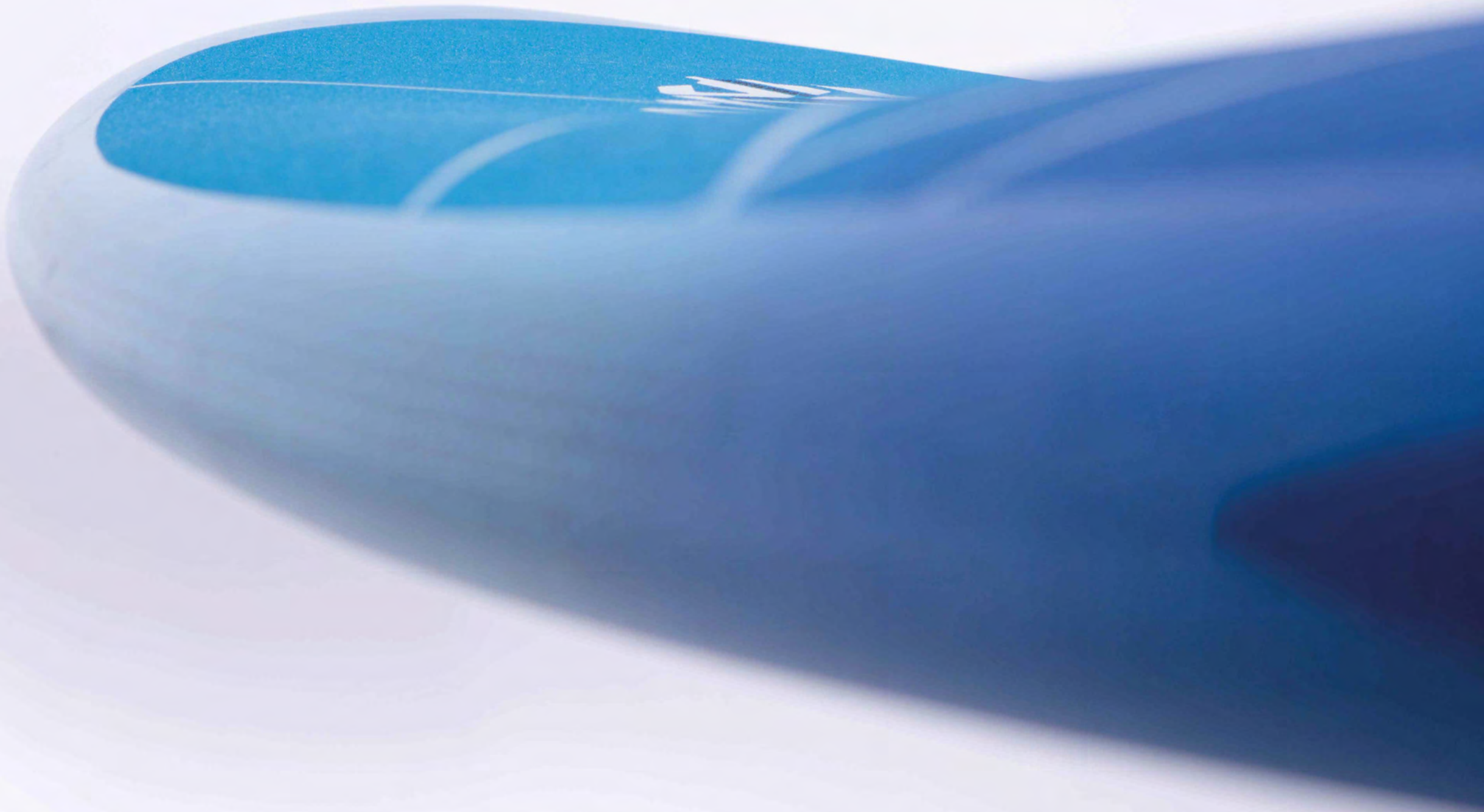
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SPECIFICATIONS

WELCOME TO
2017







Great fun checking out brand new boards during our distributors meeting on Maui.



Our foil development has been ongoing for about 5 years now and we are stepping it up.



Mayar and Daddy enjoying lake Taco, its quite special to be able to paddle board to work any day. Remember to always wear a leash and life vest.



Checking out the Starboard Mangrove project in the Thor Heyerdahl Climate park in Myanmar. Starboard aim to become carbon neutral by end 2018

THE FUTURE OF INNOVATION QUALITY

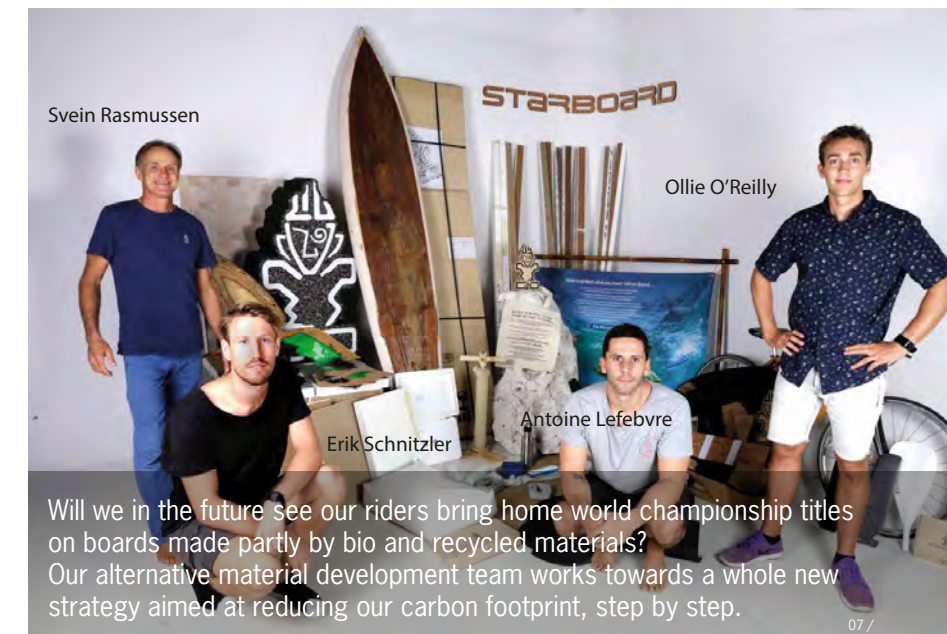
Congratulations to all our world champions and team riders winning events the world over. They ride production boards made from plant based resin, indicating the future of innovation quality.

So Starboard is now raising to the challenge of protecting our oceans in the only way we know, with innovation and quality. Besides introducing plant based resin in all boards, other than AST and 3DX, and using bio based packaging, eliminating plastic film altogether, we work on shifting deck pads and inserts to recycled materials as running changes throughout the year. We have also managed to reduce the carbon footprint of our Ultracore materials by some 30% since last year. And we are just getting started...

Over the last few seasons we have been involved in the Thor Heyerdahl Mangrove park in Myanmar. For each Starboard shipped we plant 1 mangrove tree, absorbing up to 1 ton CO2 over 20 years while also creating an efficient coastal heavy weather protection shield for the nearby low lying villages.

Want to protect what you love ? Get on board.

Svein Rasmussen.



Will we in the future see our riders bring home world championship titles on boards made partly by bio and recycled materials? Our alternative material development team works towards a whole new strategy aimed at reducing our carbon footprint, step by step.

OUR TEAM AND PARTNERS SHARE A VISION FOR CREATING A BETTER FUTURE. WE ARE PROUD TO WORK WITH THE MOST ENGAGED CREW AND LOOK FORWARD TO ENJOYING THE OCEANS WHILE PROTECTING THEM.

PARLEY

The space where creators, thinkers, and leaders come together to raise awareness for the beauty and fragility of our oceans and collaborate on projects that can end their destruction.



MANGROVES FOR LIFE

For every Starboard sold, one mangrove tree is planted in the Thor Heyerdahl Climate Park in Myanmar, each absorbing up to 1 ton CO2 over 20 years.

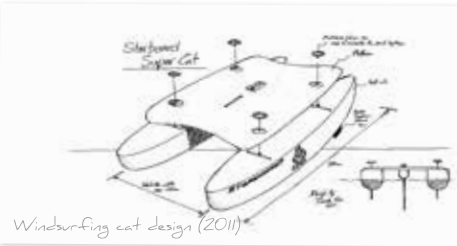


SUSTAINABLE SURF

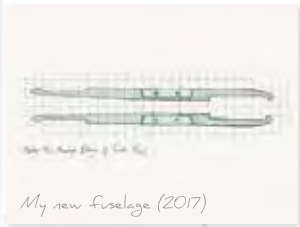
The catalyst that transforms surf culture into a powerful force for protecting the ocean playground.

WATERTREK Foundation

Allies discovery, encounters and sharing. On the water we come together in awareness to remember that while we are caught up in this consumer and materialist world, water is our most precious resource.



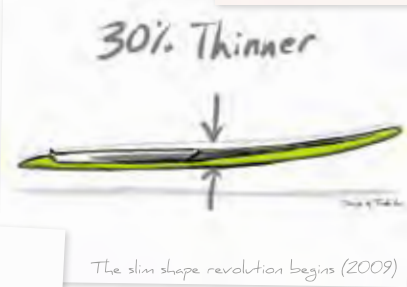
Windsurfing cat design (2011)



My new fuselage (2017)



Designing the Long Tail (2014)



The slim shape revolution begins (2009)



Designing the first Long Tail concept (2013)

UltraCore

Rio Long Tail

AirPlane

AtomIQ

HyperSonic & iSonic



The first wide compact freewave (2006)



Low speed foil



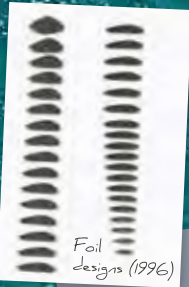
Foil Fin box and Mast Design Starboard Foil Platform (2018)



Low speed foil



Low speed foil



Foil designs (1996)



A young Philip Koster riding one of my first ProKids boards (2006)



My Lamborghini a super fast, lightweight racing windsurf cat. (2011)



Self-regulating foil concept (2019)



Designing the StarBoard (2017)



Why make the lightest boards?
Why introduce a board that glides on to the plane seamlessly?
Why invent planing inflatable windsurf boards?
The Starboard design team innovated with wide boards, then short boards and finally slim boards for wider and wider wind ranges. Why?
Why create the modern slalom board, the compact wave board or the ProKids boards?
And then why take these off-the-shelf Starboards to win more constructors' championships than other windsurfing brands combined?

To Make Windsurfing Better, I thought to myself. That would be a worthwhile career.

Today, just as I thought that it would be hard to innovate again, foiling has become the new frontier. As a designer, there hasn't been something quite this exciting in a long time. I've been studying foils at uni back in 1996 and tinkered with designs unsuccessfully for a couple of years now, in the back of the Starboard workshop when Svein wasn't looking. Fast forward a decade and our foils are finally taking off, literally.

Don't we all remember the first time we got planing? Who would have thought that there was another hidden level in windsurfing. The first time I flew, it was a revelation. A mind-blowing, magical, memorable moment on par with those early planing days. We windsurfers savour those memories and here we are, with an opportunity to relive those feelings once more.

Flying over the sea without a sound, zipping along silently close to thirty knots. What could be more fun? The foil adventure begins.

Tiesda You

Tiesda You
Designer / Brand Manager

"A Mechanical Engineer honours graduate from UCL, Tiesda's designs have brought to market a multitude of innovations, from the modern day slalom board, the slim board concept and inflatable planing boards to classics such as the Formula 147, the Serenity, the ProKids, the Long Tail Rios and today's game-changer board technology, Ultracore."

The simplified Starboard technology offering for 2017 wave, freestyle, freeride and racing boards.

3DX | The tough construction. The only tech in its segment to offer a biaxial-glass 3D composite for a crisper and stiffer sensation on the water.

Technora | The high performance construction. Full PVC sandwich deck and bottom with biaxial glass and Technora reinforcements for a combination of lightweight, strength and stiffness.

UltraCore Carbon | Our top-end Carbon construction that combines Starboard's innovative UltraCore sandwich for the lightest weight with Carbon-Innegra perimeter rail bands and uni-directional carbon vectors for a variable flex profile: stiff in the midsection and more flexible in the tail and nose. A game changer in windsurf board technology.

UltraCore Carbon Reflex | A limited edition showcase technology to see how far we can go with UltraCore. By combining UltraCore with the lightest grade bi-axial Carbon available, we get an even lighter board with added flex and the quickest, most responsive reflex.



3DX

BIAx 3D EPOXY
MICRO SANDWICH

Performance

Strength

Price



TECHNORA

Performance

Strength

Price



ULTRACORE
CARBON

Performance

Strength

Price



REFLEX
ULTRACORE
CARBON

Performance

Strength

Price

WHAT IS **ULtraCORE**

UltraCore is Starboard's proprietary sandwich core material that's 30% stronger, 40% stiffer and 10% lighter than conventional PVC sandwich cores.

With these mechanical properties and because UltraCore absorbs less resin, we can build boards up to 1.2kg lighter than our 2016 models by reducing fibre weight and resin consumption.



THE STARBOARD TEAM

Group CEO, Founder: Svein Rasmussen
 Brand Manager: Tiesda You
 Head of Research and Development: Remi Vila, Tiesda You, Svein Rasmussen
 Production Manager: Arnon Saisorn
 Wave and Freestyle development: Dany Bruch, Albert Pijoan, Tiesda You, Remi Vila, Taty Frans, Sarah-Quita Offringa
 Freeride and Racing development: Remi Vila, Tiesda You, Svein Rasmussen, Jean Louis Colmas, Cyril Moussilmani, Gonzalo Costa Hoevel, Taty Frans, Tristan Algret, Antoine Lefebvre
 WindSUP and Inflatable board development: Mat Rauzier, Svein Rasmussen, Albert Pijoan, Tiesda You
 Contributing shaper: Mark Stone
 Shapers: Phaitoon Kaewhorrit, Ex Thanupong Saisonthanant, Den Chomkokground, Apichat Taewnade
 Marketing and Team Manager, WindSUP rig R&D: Antoine Lefebvre

General Manager, Sales and Logistics: Joe Dumrongvivat
 President: Ian Fox
 Sales Manager: Clement Morandiere
 Project Manager, sustainability, board bags and shop displays: Erik Schnitzler

Graphic Design: Lei Abinan, Ross Dobner
 Videography: Cameron Frost
 Photography: John Carter, Mario Del'Angelo, Tiesda You



ANTOINE QUESTEL

FRENCH SUP CHAMPION

STARBOARDFOILS

INNOVATION
QUALITY

France Antoine Questel

FOIL WINGS, FUSELAGE AND MAST

DESCRIPTION

Starboard Foil is an open, modular foil platform. The standardized wing and mast boxes allows wings, fuselages and masts to be interchanged or upgraded to match rider style, budget and foil racing conditions.

The front wing box measures 18cm x 3cm x 1.5cm. The tail wing box measures 14cm x 2cm x 1cm.



Two fuselage lengths are available: 75cm - for a faster, more responsive foil ride. Recommended for slalom racing, freeride and wave freestyle. 115cm - for a steadier foil ride with maximum lift and early take off. It is more forgiving and allows more back foot pressure for more upwind performance. Recommended for lightwind freeride, progressive riding and Formula racing.

Two masts: 85cm and 100cm High-Modulus Tri-Ax PrePreg Carbon mast - the maximum stiffness at a minimum thickness gives more stability, more control, higher efficiency and a higher top speed.

At launch, we've partnered with F4 and Horue for our launch 2017 wing selection, with more to come:



F4 Slalom Race wing set - the fastest wing set, for slalom and for medium to high wind Formula racing. Recommended mast: 100cm. Recommended fuselage: 75cm. Design by F4



Horue Vini Medium wing set - the wave freestyle wing set, for medium to high wind conditions. Recommended mast: 85cm Forward Rake. Recommended fuselage: 75cm. Design by Horue



Horue Vini Large wing set - the maximum lift wing set, for light wind conditions, progressing foilers and light wind Formula racing. Recommended mast: 100cm. Recommended fuselage: 115cm. Design by Starboard / Horue.



FOIL 147

DESCRIPTION

The light to medium wind foil board. Balanced and forgiving with a wide outline and a wide tail: offers power, stability and early planing. The model for slalom, racing, progressing and light-medium wind freeride.

DESIGN CONCEPT

Based on the UltraSonic 147, with added tail volume additional insert positions, reinforced construction and a reinforced Deep Tuttle finbox.



FOIL 117

DESCRIPTION

The medium to high wind foil board. Available Spring 2017.

DESIGN CONCEPT

A smaller version of the 147 for medium to highwind conditions. Foil-specific insert positions, reinforced construction and a reinforced Deep Tuttle finbox.





PHILIP KOSTER
2015 PWS WORLD WAVE CHAMPION

© Maui John Carter

innovation
wave FREESTYLE
quality



ULTRAKODE

72 76 80 86 93 99 105

DESCRIPTION

The Magic Waveboard, the ultra-allrounder. Starboard introduces the new UltraKode in the World's lightest wave board technology. Thruster, quad or twin, it's the dream wave board by the Dream Wave Team.

WHAT'S NEW

All new shape & concept. The two smallest sizes are designed by Mark and Jaeger Stone; four largest sizes by Dany Bruch and PWA Champion Philip Koster. The 80 size is a merger of the two groups. New UltraCore construction. New StarBox.



REACTOR

76 82 87 97 107 112

DESCRIPTION

2x FASTER. The new Reactors are much faster to move from the niche wave category into the mainstream. Speed mixed with the same magnified ability to exploit the lightest and smallest waves.

WHAT'S NEW

New wider nose with narrower shoulders. New faster rockers, new faster fins, new footstrap and fin positions. New World's lightest construction using Starboard's exclusive UltraCore material. New StarBox.



KODE FREEWAVE

81 86 94 103 109

DESCRIPTION

A best seller, a benchmark and an award-winning swiss-army knife of a board. Designed to surf waves, blast for speed and freestyle, yet always greater than the sum of its parts.

WHAT'S NEW

New World's lightest UltraCore construction. New StarBox thruster fins and improved US Box centre-fin system making conversion between thruster and single fin easy.



FLARE

81 93 103

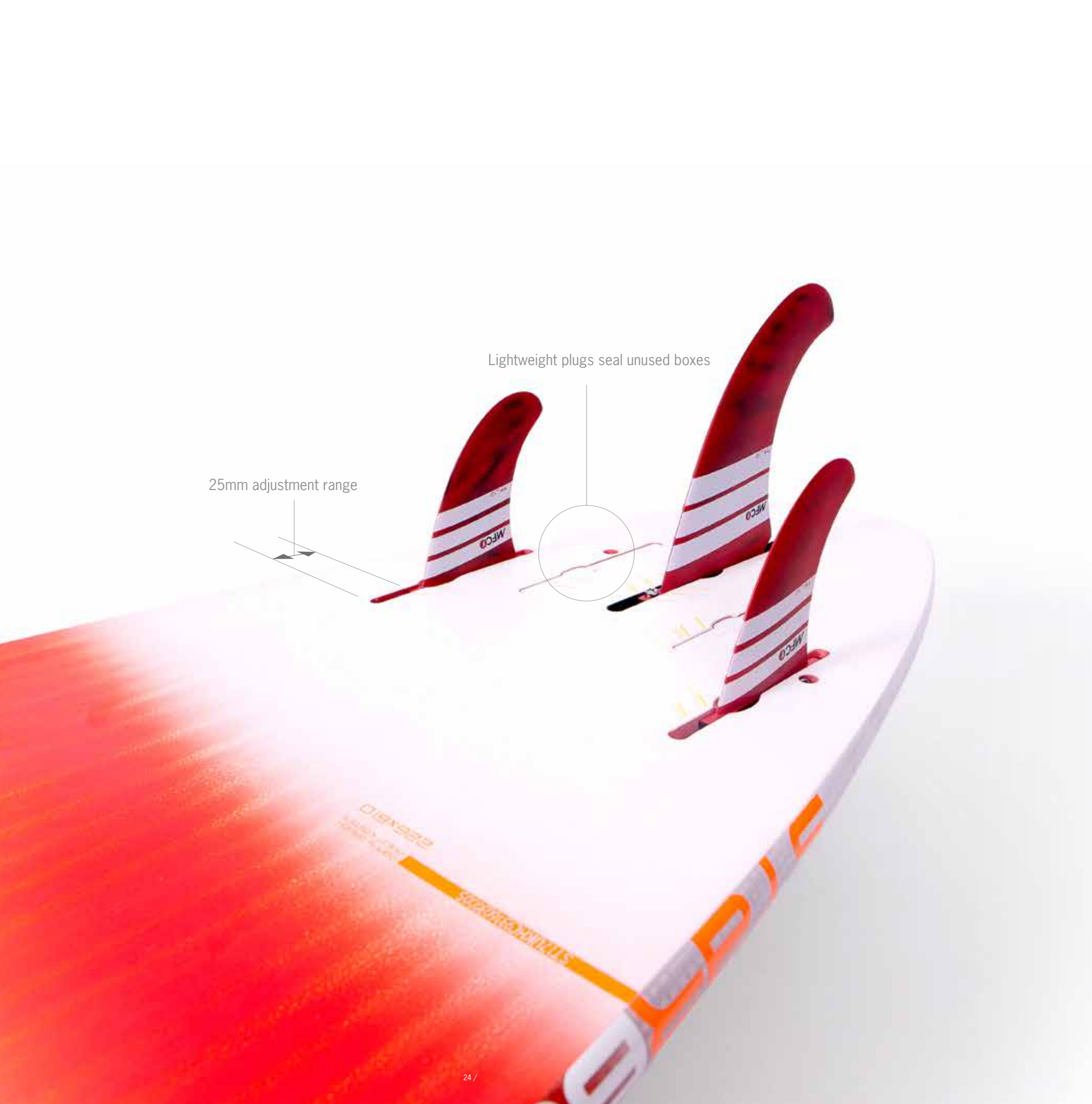
DESCRIPTION

The Freestyle World Champion's board. The cutting edge, designed by windsurfing's best freestyle team. Advanced to expert freestylers only need apply.

WHAT'S NEW

Two technolgies are now available with the added tech offering a lower price entry. Both are built in UltraCore, making them the lightest freestyle boards. New improved US box fitting and the fin box has been moved forward 2.5cm giving the board more speed, power and pop.





Lightweight plugs seal unused boxes

25mm adjustment range

THE NEW 70GRAMS STARBOX

It fits notched Slot Box fins for a fast fit-n-go system. Keep the brass nut locked in place when removing and replacing fins.

It also fits US Box fins for the classic system that pivots to reduce fin damage if you hit the reef.

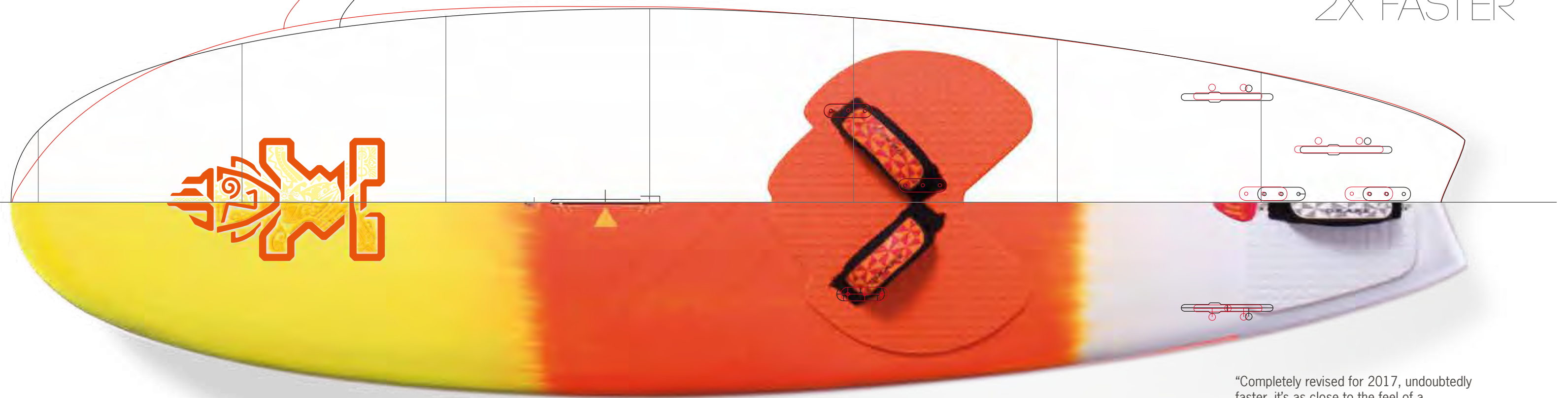


Notched Slot Box fins are available with Drake, MFC, Maui Ultra Fins, MB fins and Black Project. You can also cut your own notch into your current fins.



THE NEW REACTOR 2X FASTER

2016 2017 New outline
New insert positions, new fittings



"Completely revised for 2017, undoubtedly faster, it's as close to the feel of a surfboard as we have felt. Addictive. It's a breathtaking experience." Windsurf magazine UK, August, on the new Reactor 2017



2016 2017 New faster





Sixteen years ago I started sailing and shaping sailboards, my pre-apprenticeship being a long time surfer and board shaper. I struggled with the popular sailboard designs at the time: single fins with no tail rocker.

Through a meeting I had with Michi Schweiger at Spreck's in Maui he gave me a thought that ignited the answer for me – the flat in the rockerline forces you where to stand. From this I went home and started adding tail kick to the boards, but as a single fin, upwind and sailing ability was a struggle. The answer was to add the small thruster fins in the front, compensating for the tail-kick and allowing great sailing ability once again. Initially drag, drag, drag was a big issue until adjustments of the front thruster fins eliminated it all. Now, with curve under my back foot and speed under my front it enabled my surfing style to work in sync with the board. We had a board that loved the bottom turn and you could focus purely on a grippy top turn. It all came together and the surfing sailboard was born.

Jaeger shows the epitome of learning to sail on the correct gear. It feels great to design a sailboard with direct information and ideas from my surfboards. On Jaeger's first trip to Ho'okipa at 13, he hid the tail of his board because he was so embarrassed it was so different.

What a turn around to today, a very exciting time.

Mark Stone

Mark Stone
Designer and Shaper
Starboard UltraKodes 72, 76, 80



WHY FIVE FINBOXES?

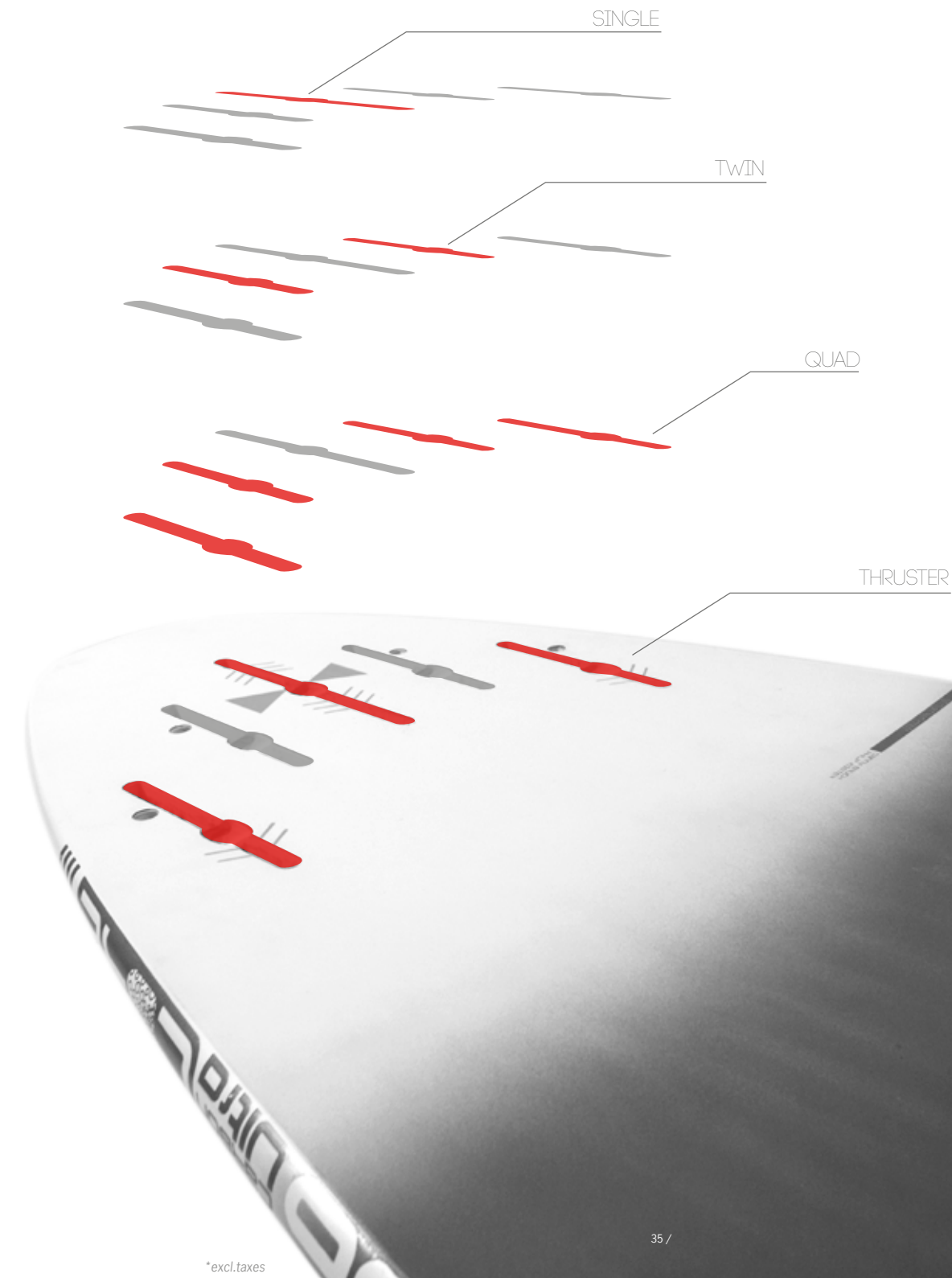
With advancements in board construction, fin boxes and mast track development, with reduced epoxy and paint consumption, the **UltraKodes** are both lighter than a conventional thruster and more versatile by their ability to convert from thruster to quad, twin or single.



For those looking for a pure thruster, Starboard offers the UltraKode Pure Thruster edition exclusively in UltraCore Carbon Reflex.



For an extra €99, \$99*, £79 at the time of purchase, upgrade your UltraKode with a G10 Quad fin package by Drake Windsurfing Fins.





I Can't help but smile!
Windsurfing has taken me on incredible adventures
What are you waiting for? Let's go!

Sarah-Quita
ARUGI 

Sarah-Quita Offringa







innovation
RACE
quality

MATTEO IACHINO
2008 FUSION CUP FUSEE

© Maui
© John Carter



FUTURA

90 97 107 117 127 137

DESCRIPTION

The test-winning Freerace board for technical windsurfers looking for the impossible: maximum speed mixed with comfort, control and jibing precision.

WHAT'S NEW

Shorter, thinner, wider for more wind range. Added vee for improved comfort and jibing. Added tail area above the cutaways to improve jibing exit speed without affecting straight-line performances. New UltraCore construction.



iSONIC

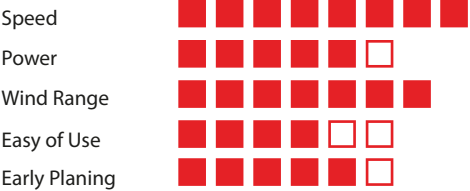
W44 70 75 80 87 90 97 107 117 127 137

DESCRIPTION

The cutting edge of slalom board development. W44 to 90: the Speed Slalom models. 97 and 107: the slalom models. 117 to 137: the Race Slalom models.

WHAT'S NEW

Two new UltraCore constructions: Hybrid Carbon-lighter than last year's Carbon models, and an exclusive, hyper-premium Reflex Carbon edition that is even lighter. See the shape evolution details on the following page.



ULTRASONIC

147

DESCRIPTION

The largest of the iSonics designed specifically for maximum lightwind efficiency.

WHAT'S NEW

New graphics. Two new UltraCore constructions: Hybrid Carbon - lighter than last year's Carbon - lighter than last year's Carbon models, and an exclusive, hyper-premium Reflex Carbon edition that is even lighter.





FORMULA

177

DESCRIPTION

The World Champion Course-Racing board, the winningest board in Formula racing history, the most powerful board in our collection with the widest wind range.

WHAT'S NEW

This model remains unchanged following the Formula Windsurfing two-year cycle.



FORMULA ONE

167

DESCRIPTION

The official Formula Experience equipment package. Formula Experience is the only 100% planing one-design sailing class, raceable in the widest range of wind and water conditions.

WHAT'S NEW

Updated graphics.



SLALOM ONE

110

DESCRIPTION

The slalom package by Starboard. Available for windsurfing clubs and national associations to purchase distributor-direct. Available for slalom enthusiasts and shops to book a fleet to organise a private slalom race among friends and customers.

WHAT'S NEW

Updated graphics.



SLALOM AND FORMULA ONE RIGS

6.5 7.5 8.5 9.5 11.0

DESCRIPTION

Formula One: the 9.5 and 11.0 are three-cam racing sails with a wide luff sleeve. Suitable for Formula Racing. The Slalom One are twin-cam sails with a narrow luff sleeve. Suitable for slalom racing.

WHAT'S NEW

Improved reinforcements on the foot of the Formula One sails, for added durability.



PHANTOM RACE

299 377 377L

DESCRIPTION

The most successful, most popular and most advanced raceboard. The Phantom series dominate through sheer technological advantage, with their Bat Wings, slanted mast track concept and raised sides walls.

WHAT'S NEW

New 299 model. Available in UltraCore Carbon Hybrid, Ultracore Carbon Reflex and 3DX technology. The 299 is available for clubs and national associations to purchase distributor-direct. Based on a 377L, the nose was shortened to 299cm and the width increased to 70cm: for improved planing performance with minimal losses in lightwind, non-planing conditions.

Phantom Race 377 - for sailors under 80kg

Performance Daggerboard >8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Performance Daggerboard <8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Wind Range	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Non-planing performance	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Planing performance	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

Phantom Race 377L - for sailors over 80kg

Performance Daggerboard >8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Performance Daggerboard <8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Wind Range	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Non-planing performance	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Planing performance	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

Phantom Race 299

Performance Daggerboard >8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Performance Daggerboard <8 knots	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
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Planing performance	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>



REMI VILA
STANDARD R&D



I started windsurfing in 1978 on a Windglider and a 3.5 sail. Windsurfing for me was always about racing and I've raced in pretty much all classes - Windglider, Div II, Lechner, Raceboard, Formula 42, Slalom, Formula Windsurfing.

During all these years, it was always about tuning and understanding the different performances you can get from one shape to another. The first board that I shaped was in Martinique, back in 1986. I had the chance to meet Svein in 2000 in Thailand for a Formula Windsurfing World Championship who gave me the opportunity to test with him. Ever since then, I got involved in the Formula and Raceboard development program as a freelance.

The big jump came in 2008, leaving my sweet family & the Caribbean Island to work full time at Starboard with Svein, Tiesda & Jim Drake. What a dream! Of course, I learnt a lot from them. Eventually and together with them, I find myself taking care of pretty much all the range except the production wave boards. It is the most exciting thing, to try and try until we find the shape that makes the difference and helps to win a race.

At the end of the day, our best creation by my wife and me, is our lovely son Alex, who already loves the water and brings us happiness at home and at the beach.

See you there,

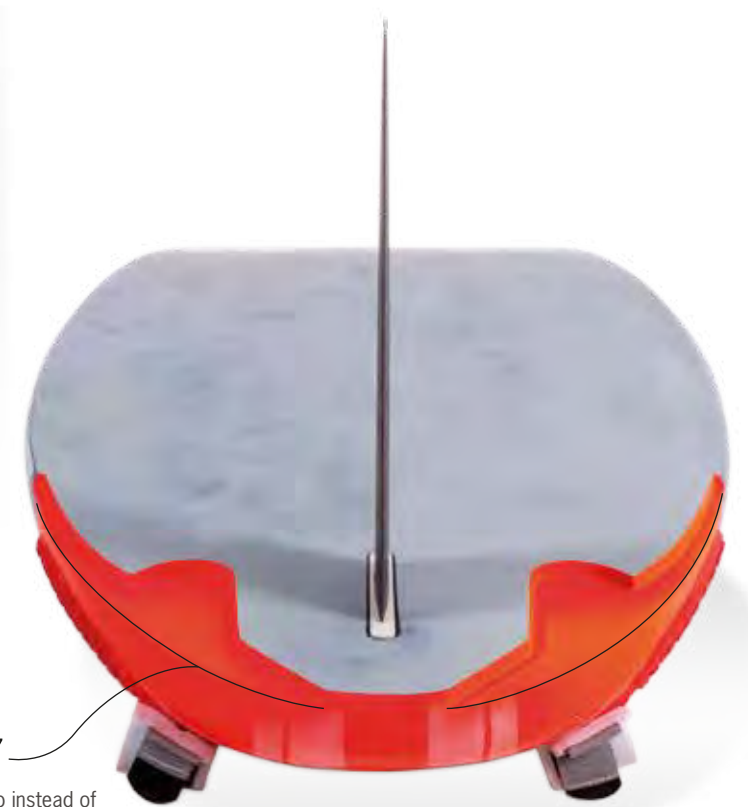
Rémi Vila



2016: LESS VEE
2017: MORE VEE

2016
2017 New tail outlines increase tail volume

THE NEW iSONIC 2017



2017
Single step instead of double step cutouts: for added volume, improved jibing exit speed and jibing control.

The iSonic 137 and 127 are two all-new designs for lightwind slalom racing. These two new shapes are derived from the Formula 177 for more lightwind power and performance.

The iSonic 117 that sits between the light wind racing models and the medium wind racing models, carries over from 2016 with the same shape.



2016: LESS VEE
2017: MORE VEE

The humped outline in the tail has been reduced for quicker, easier jibing.

On the left: the iSonic in Carbon.
On the right: the Futura in Carbon Reflex.

2016
2017 Shorter, thinner, wider for more wind range

THE NEW FUTURA 2017

WHAT IS ULTRACORE CARBON REFLEX?

When we introduced UltraCore, its impressive mechanical properties allowed us to produce UltraCore Carbon boards that are already lighter than any board we have ever made.

What if we could take it further? What if, we thought, we combined this UltraCore with even lighter, higher grade carbon, laying them at customized orientations between 0°, 30° and 45° to optimize flex?

Starting at €2799 and made-to-order, UltraCore Carbon Reflex is our technological showcase for 2017. The lightest boards we have ever made. With the most responsive flex.



New: two layers of Kevlar X-Ply monofilm replaces the internal plastic strip to keep the footstrap comfortable, light and flexible but eradicate any stretch.

Sliding size adjustment slots

NEW *DRAKE*
ULTRALIGHT
FOOTSTRAPS

DRAKE ULTRALIGHT FOOTSTRAPS MK II "NO STRETCH"

99g dry weight, hydrophobic EVA construction with Kevlar X-Ply inside for zero water absorption, saving up to 232g dry and 676g when wet.

Featured on the Futura, Formula, Slalom One, Formula One and the iSonics from size 97 and up.

Dry Calculation:

1x Classic footstrap: 127g
2x Screws and washers: 30g
Total for four straps: 628g

1x UltraLight Strap: 55g
2x Screws and XL washers: 44g
Total for four straps: 396g

Saving: 232g

Wet Calculation:

1x Classic footstrap: 249g
2x Screws and washers: 30g
Total for four straps: 1116g

1x UltraLight Strap: 66g
2x Screws and XL washers: 44g
Total for four straps: 440g

Saving: 676g





© Maui © John Carter

Cyril
Moussilmani
F. 71



12x Overall (88/89/90/91/92/93/94/95/96/97/98/99)
10x Slalom (88/89/90/91/92/93/94/05/11)
5x Course Racing (90/91/92/93/94)
4x Racing (95/96/97/98/99)

7x Waveriding (90/92/93/94/95/99/01)
1x Freestyle (98)
3x Speed (94/05/16) = 42 World Champion Titles
World Open Ocean Speed World Record: 44.35 knots / 82.13 km/h

BJØRN DUNKERBECK
SPEED WORLD CHAMPION 2016



TRISTAN ALGRÉT
1ST PWS EVENT ENTERED FUTURE ADVENTURE



GONZALO COSTA HOEVEL
FUTURE ADVENTURE

PHILIP SOLTYSIAK
AWSI WINDSURF ATHLETE OF THE YEAR 2015

innovation
FREEride
quality



ATOMIQ

104 114 124

DESCRIPTION

The innovative slim freerider that started the slim-board revolution. Massive wind range, massive range of use, fast, fun and extra maneuverable. For best results, choose by width if you're a progressing rider, choose by volume if you're an advanced freerider.

WHAT'S NEW

Improved stiffness with extra smart-carbon vectors on the deck. New pad texture. Fresh colours. We've also extended the clean custom paint job to the bottom of the board. Available in UltraCore Carbon and 3DX.

Speed	■	■	■	■	■	□
Power	■	■	■	■	□	□
Wind Range	■	■	■	■	■	■
Ease of use	■	■	■	■	□	□
Early Planing	■	■	■	■	■	□



ATOMIQ DUO

114 124 130

DESCRIPTION

Our dual-purpose board: for kids to learn to windsurf on, for adults to blast and freeride on. Includes a carry handle, insert positions for beginners, intermediates and experts, a centre fin-box for upwind traction and a large EVA deck for comfort.

WHAT'S NEW

Easier to learn on, more fun to ride. The new AtomIQ Duo replaces the Kode Tufskin with a slimmer shape that makes it more stable to learn on and more maneuverable and responsive to freeride on. Available in our new crisper, stiffer 3DX construction.

Speed	■	■	■	■	■	□
Power	■	■	■	■	□	□
Wind Range	■	■	■	■	■	■
Ease of use	■	■	■	■	□	□
Early Planing	■	■	■	■	■	□



CARVE

121 131 141 151 161

DESCRIPTION

The icon, the board that started the era of modern wide freeride designs. Plug and play, maximum performance for minimum fuss. Designed to offer the highest speeds, the easiest planing and the most control with minimal technique or tweaking skills required.

WHAT'S NEW

Improved stiffness with extra smart-carbon vectors on the deck. New pad texture. We've also extended the clean custom paint job to the bottom of the board. Available in UltraCore Carbon and 3DX.

Speed	■	■	■	■	□	□
Power	■	■	■	■	□	□
Wind Range	■	■	■	■	■	□
Ease of use	■	■	■	■	■	■
Early Planing	■	■	■	■	■	■



GO

121 131 141 151 161

DESCRIPTION

One for all. The iconic and irreplaceable GO board: the progressive boards for improving beginners to fully advanced windsurfing. Includes a carry handle, insert positions for beginners, intermediates and experts, a centre fin-box for upwind traction and a large EVA deck for comfort.

WHAT'S NEW

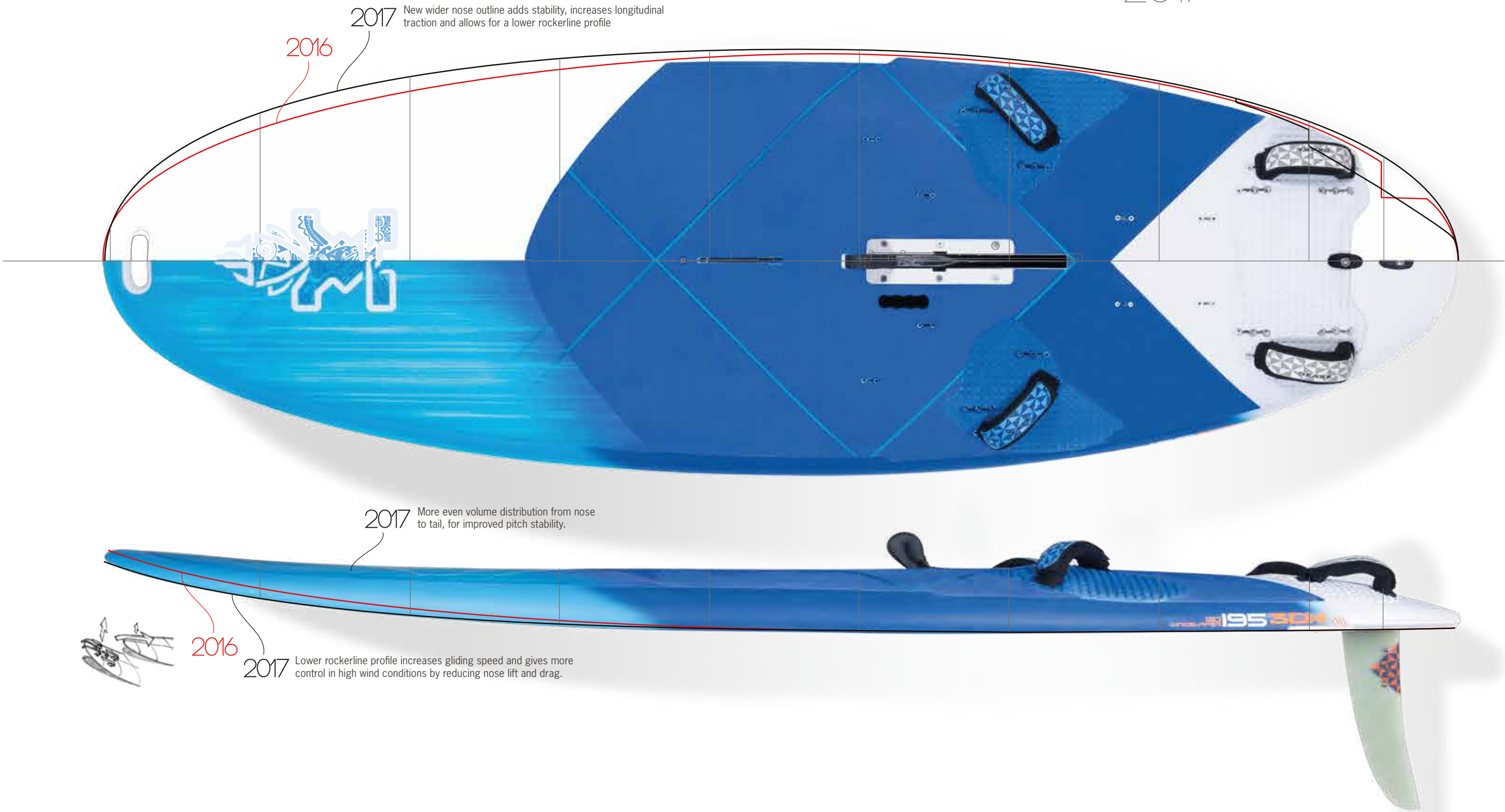
New shapes identical to the new wider, slimmer Carves. Centre-fin box now on all sizes. The most premium graphics, design and construction in its segment. Available in our new crisper, stiffer 3DX construction.

Speed	■	■	■	■	□	□
Power	■	■	■	■	□	□
Wind Range	■	■	■	■	■	□
Ease of use	■	■	■	■	■	■
Early Planing	■	■	■	■	■	■

THE NEW GO WINDSURFER

2017

The GO Windsurfer is a variation of the GO with added glide for non-planing conditions and a daggerboard. A bestseller and our recommended board for first-time buyers.



2017 New wider nose outline adds stability, increases longitudinal traction and allows for a lower rockerline profile

2016

2017 More even volume distribution from nose to tail, for improved pitch stability.

2016

2017 Lower rockerline profile increases gliding speed and gives more control in high wind conditions by reducing nose lift and drag.



WHAT IS 3DX?

Three-Dimensional Biaxial Glass Micro-sandwich: developed exclusively by Starboard for the crispest, stiffest board in its segment where both deck and bottom are wrapped in 45° Biaxial glass fibre and wetted out with an expanding foam epoxy cured under pressure.

A unidirectional glass stringer on the deck stiffens the board further while a 0.6mm Australian pine wood flat-stringer on the bottom increases shape stability and a stiffer feel again. The 3DX result: durable tough boards that feel crisp and sharp.



innovation
LEISUREBOARDS
quality

© Maui John

Z SCHETTEWI

PHILIP SOLTYSIAK
GUST WINDSURF ATHLETE OF THE YEAR 2015

Starboard's Leisure, Club and School board collections are available in six technology options:

Zen and Deluxe | Our super-light and extra stiff composite, inflatable technologies. The lighter Zen is 4.75" thick and the stiffer Deluxe is 6" thick.

StarLite Our new premium WindSUP board technology with an extra-durable Carbon Innegra perimeter rail band that adds extra stiffness and performance.

StarShot | The entry-level hard board construction, our toughest board with a premium polished finish and a great price.

StarShot | The entry-level hard board construction, our toughest board with a premium polished finish and a great price.

A.S.A.P | As Strong As Possible: tough like the StarShot and with a full soft deck for added comfort. The rails are also wrapped in high density, thermoformed EVA for added protection. Our most affordable technology option.

ArmourTech | The legendary extra-strong and extra-durable construction for Starboard's Rio and Start models, using double the amount of glass layers of a conventional AST board.





AIRPLANE

230 242 255 270 290 290 SCHOOL EDITION

DESCRIPTION

The innovative inflatable windsurf boards capable of full planing and carve jibing.

WHAT'S NEW

Lighter. New screw-in multiple position footstrap inserts. New 230 and 242 sizes for high performance windsurfing. Improved outline shapes on the 255, 270 and 290. New Double Rail Edge and new stringer carbon rails for improved performance, new bag and a new 'mushroom' style mast insert that's the safest and most secure.

AirPlane 290 School Edition: a 290 supplied without bag, pump or footstraps and with a simplified EVA pad. Available in Deluxe.

Inflatable	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Paddleboarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windsurfing (beginner)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Windsurfing (planing)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



WINDSUP INFLATABLE

CONVERSE JUNIOR WHOPPER BLEND TOURING ATLAS

DESCRIPTION

Inflatable boards that can go paddleboarding, windsurfing and even get planing with footstraps. They're also great to teach kids to windsurf and they roll up into a bag. The Deluxe version adds extra thickness and a full daggerboard case for added windsurfing performance. Being inflatable, they're compact, light and strong. Highly versatile boards and very popular.

WHAT'S NEW

Lighter. New screw-in footstrap inserts. New stringer carbon rails for improved stiffness and performance. New bag and a new 'mushroom' style mast insert that's the safest and most secure. Available in Zen and Deluxe.

Inflatable	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Paddleboarding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Windsurfing (beginner)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Windsurfing (planing)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



WINDSUP

CONVERSE WHOPPER BLEND ATLAS FREERIDE

DESCRIPTION

The hard non-inflatable boards that cover windsurfing and paddleboarding in one. We've selected the most popular Starboard paddleboard shapes and added a mast track and centre-fin box to plug in a sail and centre-fin for windsurfing use. A great choice for sharing windsurfing, paddleboarding with friends and family.

WHAT'S NEW

Improved technology offerings: the soft deck ASAP and the painted, polished StarShot offer our two lowest price points with the choice between a full soft-deck finish or hard painted deck finish. StarLite is an upgraded version of StarShot with an impact-resistant Carbon Innegra rail finish and more premium graphic design.

Inflatable	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Paddleboarding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Windsurfing (beginner)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Windsurfing (planing)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



START

M L

DESCRIPTION

The World's most stable windsurf board. Popular with windsurfing schools as the first board to teach beginners on. With its exceptional stability is no easier board to learn windsurfing on.

SPECIAL FEATURES

Available in ArmourTech construction. Colour Coded deck for easy guidance. Contoured deck for easy footstrap access. Wide tail for added stability and easy planing. Longer shape for added glide and longitudinal traction. Integrated nose protector.

Inflatable	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Paddleboarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windsurfing (beginner)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Windsurfing (planing)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

THE NEW RIO LONGTAIL 2017

Lower nose profile with wide shoulders and parallel rails: increases gliding speed and stability

Flat deck with boxy rails: more stability and more glide, improved longitudinal traction.

Contoured deck shape gives added comfort to central footstrap positions: the rider slips into the footstraps and learns to foot steer easily.

The famous Long Tail design: by extended the area behind the fin box, the board becomes longer for added glide and traction, for increased stability and most importantly, to allow the board to seamlessly transition into planing mode: there's no energy hump to overcome, allowing new windsurfers to enjoy planing easily.



RIO

S LONG TAIL M LONG TAIL L LONG TAIL

DESCRIPTION

The go-to board for entry-level windsurfing and schools. The combination of a long tail design with bat wings, thick boxy rails, low nose rocker and a flat deck make it glide better than a conventional beginner board yet with more stability. The long tail design also makes the Rio the board that transitions the easiest into planing.

WHAT'S NEW

New simplified range with new sizes. All models include Long Tail technology for the easiest transition into planing. Built in new ArmourTech and available in two finishes: standard and all-white School Edition.

Stability	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Ease of planing	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Glide	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Comfort	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Longitudinal traction	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>

ADD WIND TO
YOUR SUP BOARD

Starboard's WindSUP sail is a great addition to any SUP board fitted with a sail connection. It is light, powerful and designed specifically for paddleboards.

Warning: we do not recommend using monofilm sails for windSUPing. Monofilm sails are designed for planing, strong wind conditions. Monofilm sails for windSUPing lacks power, are heavier and more fragile.

CLASSIC
SAIL
PACKAGE

Available in 5.5 and 6.5m²

What's new:
Improved sail design with a secondary batten, padded mast foot trimming, larger window. Improved hardware with a stiffer monocoque boom and improved, extra-reliable extension.



COMPACT
SAIL
PACKAGE

The compact version of the WindSUP sail package. With its four-piece mast and three-piece boom, everything collapses into a small bag that's convenient to carry and store. Available in 5.5 and 6.5m²

What's new:
Improved sail design with a secondary batten, padded mast foot trimming, larger window. Improved hardware with a stiffer monocoque boom and improved, extra-reliable extension.



WATERMAN PACKAGE



WATERMAN

DESCRIPTION

An attractively priced grab-and-go package by Starboard for windsurfing and paddleboarding in one. The board performs for flat water paddling, open ocean paddling and lightwind windsurfing up to a cruisey semi-planing glide.

WHAT'S NEW

Improved sail design with a secondary batten, improved hardware for the sail including a stiffer monocoque boom. New board graphics.

WATERMAN PACKAGE CONTENTS

Waterman	
Board	WindSUP Freeride 12'2 x 30" Starshot
Sail	WindSUP Classic 5.5
Paddle	Enduro Tiki Tech Adjustable

Waterman Blend	
Board	WindSUP Blend 12'2 x 30" Starshot
Sail	WindSUP Classic 5.5
Paddle	Enduro Tiki Tech Adjustable

WATERMAN INFLATABLE

DESCRIPTION

The compact version of the Waterman Package: includes an inflatable WindSUP board with Rail Edge technology and screw-in footstra inserts, a new Compact sail with a four-piece compact mast and a three-piece paddle.

WHAT'S NEW

Improved sail design with a secondary batten, improved hardware for the sail including a stiffer monocoque boom. New lighter board with new footstrap inserts.

WATERMAN PACKAGE CONTENTS

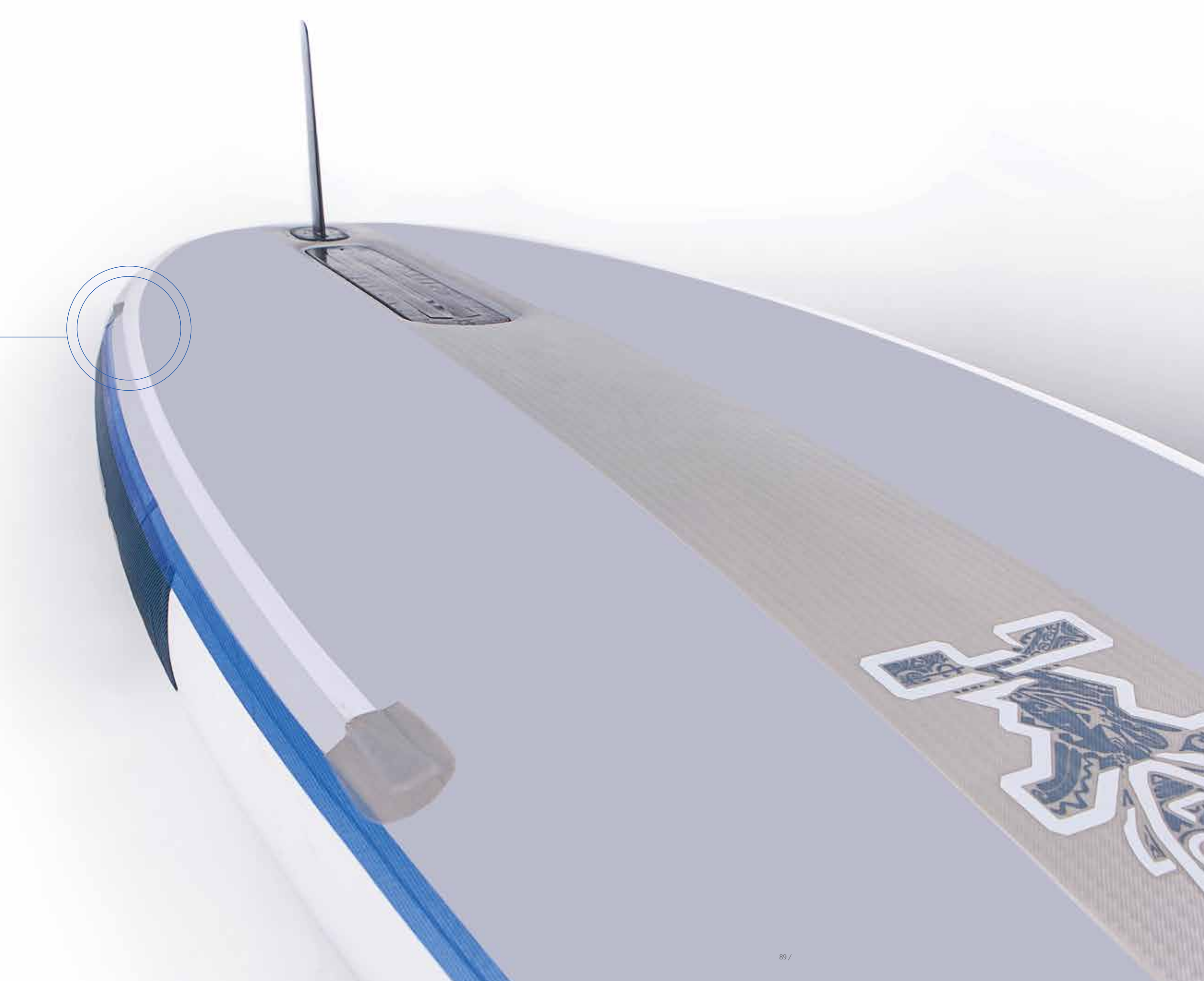
Waterman Inflatable	
Board	WindSUP Inflatable 11'6 x 30" Touring Zen
Sail	WindSUP Compact 5.5
Paddle	Enduro Tiki Tech 3PC

Waterman Blend Inflatable	
Board	WindSUP Inflatable 11'2 x 32" Blend Zen
Sail	WindSUP Compact 5.5
Paddle	Enduro Tiki Tech 3PC

DOUBLE RAIL EDGE

This Starboard invention is a 3D elastomer rail edge that runs along the rails of an inflatable board. It can bend, fold and bond to an inflatable board's skin to create a hard edge that allows for a clean water release: inflatable boards can now release, get planing and reach higher speeds than before.

For 2017, we've added a second Rail Edge in the jibing section, to help improve grip when carve jibing.



INFLATABLE BOARD TECHNOLOGY BY STARBOARD

We're excited to see new inflatable windsurf boards arriving on the market following the Starboard AirPlane. When we introduced the FAST box system for a strong fin and daggerboard assembly, when we introduced Rail Edge technology (see previous page), we left them unpatented to help inspire a new windsurfing segment to emerge: one that's about fun, comfort and convenience.

To stay ahead, we're introducing two additional innovations for 2017: the safest, most secure mast insert system and footstrap inserts that allow you to use regular footstraps you're familiar with.

Mast Insert: we call it the mushroom. By inserting the mast insert from the bottom, the mast insert is held in place securely: the more the sail tries to pull the insert out, the more it stays in place. Traditional mast inserts where a hole is cut into the skin becomes weaker the more the sail pulls, eventually ripping out and leaving a hole where air leaks out. Starboard's mushroom mast insert is the most secure and safest system in the World.

Footstrap inserts: 7mm thin insert plates are glued to the board's surface. The footstraps bolt into the embedded brass plate and two male pins connect through the footstrap for a twist-free fitting.

FAST Box: inflate your board half way, insert the fin box and finish inflating the board to 18 PSI or more. The fin box is firmly held in place. For additional safety, we've added a screw-on deck plate that helps prevent the fin and fin box to fall out when hitting the reef at full speed.







THE LIGHTEST BOARDS NEED THE LIGHTEST BOARDBAGS

To make our new 2017 boardbags lighter than ever, we've reengineered them inside out. Literally.



Inverted construction eliminates the need for heavy reinforcement web-bings. Starboard's new Light Bags are stitched together then flipped inside out, like T-shirts, creating a lighter bag with a double thickness padding along the rail edges.

TRAVEL BAG

Double iSonic
Triple iSonic
Triple Wave

Extra thick foam

Extra light internal lining for minimal weight

Light and extra-durable polyester outer skin

Heavy-duty plastic zippers are placed away from the edge of the bag to protect your board's rails from damage, and removing the need for an overlapping layer of zipper protection: reduces weight further.

SINGLE BAG

220x63	240x78	240x101	336x87
232x60	240x88	285x100	
235x67	252x87	308x82	



TRAVEL BAG

Phantom 377 / 377L
Phantom 295 / 295L / 299



TRAVEL BAG

Formula



ULTRA LIGHT, QUICK TO DRY

Our most comfortable boardshorts. Ultralight and quick to dry, but most importantly, it matches your board.



Men's Long Sleeve Compression Lycra



Women's Singlet Watershirt



Men's Team Tee Blue



Men's Stamp Tee



Men's DC Type Tee



Men's Rising Sun Tee







Special thanks to Keith, Karen, Ashley and Connor Baxter, Shawneen, Matt and Zane Schweitzer, Ian Fox, Bart de Zwart, Jean Louis Colmas, Tor Bakke, the Oli Oli Kai crew and Starboard distributors the world over: thank you for all your support and for making our 2017 photoshoot, meeting and season a success.

ULTRAKODE												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON	PURE THRUSTER EDITION		PURE THRUSTER EDITION	
									WEIGHT ULTRACORE REFLEX CARBON		WEIGHT ULTRACORE CARBON	
72	217	53.5	36.5	2 x	Stone Surf 11 + Stone Surf 18	4 x StarBox + US Box 8"	3.0-5.0	5.60	6.0	5.3	5.7	
76	219	55	36.7	2 x	Stone Surf 11 + Stone Surf 19	4 x StarBox + US Box 8"	3.3-5.3	5.82	6.2	5.6	5.9	
80	223	58	37.1	2 x	MFC TF 12 Red + MFC TF 17 Red	4 x StarBox + US Box 8"	3.5-5.5	5.95	6.3	5.6	6.0	
84	224	59	37.1	2 x	MFC TF 12 Red + MFC TF 18 Red	4 x StarBox + US Box 8"	3.5-5.5	6.13	6.5	5.9	6.2	
88	226	61	38.6	2 x	MFC TF 12 Red + MFC TF 19 Red	4 x StarBox + US Box 8"	4.0-6.0	6.23	6.7	6.1	6.4	
96	230	62.5	39.7	2 x	MFC TF 12 Red + MFC TF 20 Red	4 x StarBox + US Box 8"	4.5-6.5	6.45	6.9	6.3	6.6	
105	234	65.5	41.2	2 x	MFC TF 12 Red + MFC TF 21 Red	4 x StarBox + US Box 8"	4.5-6.5	6.65	7.1	6.5	6.8	

KODE FREEWAVE												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON	WEIGHT TECHNORA			
81	231	57.5	35.7	1 x	MFC TF 18 Red + 2 x Drake Natural Wave 110	2 x StarBox 10 + US Box 8"	3.5 - 5.5	5.8	6.20	6.7		
86	232	59	38.3	1 x	MFC TF 19 Red + 2 x Drake Natural Wave 110	2 x StarBox 10 + US Box 8"	4.0 - 6.0	5.9	6.25	6.8		
94	234	61.5	38		Drake FreeWave 28	2 x StarBox 10 + US Box 8"	4.5 - 6.5	6.0	6.45	6.9		
103	234	65	41.4		Drake FreeWave 30	2 x StarBox 10 + US Box 8"	5.0 - 7.0	6.3	6.70	7.2		
109	234	66.5	42.8		Drake FreeWave 30	2 x StarBox 10 + US Box 8"	5.5 - 7.5	6.4	6.80	7.3		


REACTOR												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON				
76	210	56.5	37.6	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 14.5	4 x StarBox	4.0-5.3	5.60	5.9			
82	212	59	38.9	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 14.5	4 x StarBox	4.2-5.3	5.70	6.0			
87	215	61	39.2	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 14.5	4 x StarBox	4.5-5.7	5.80	6.1			
97	218	63	40.6	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 15.5	4 x StarBox	4.7-6.2	6.00	6.3			
107	221	65	42.2	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 16.5	4 x StarBox	4.7-6.2	6.30	6.6			
112	223	67	42.7	2 x	Drake Natural Wave 11 + 2 x Drake Twin Surf 16.5	4 x StarBox	5.0-6.7	6.5	6.7			

FLARE												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON				
81	227	57.5	37.5		DRAKE 17 READY TO FREESTYLE BY LSD	US BOX 5.5"	2.5-5.5	5.70				
93	228	62	39.9		DRAKE 18 READY TO FREESTYLEBY LSD	US BOX 5.5"	4.5-6.0	6.16				
103	224	65	41		DRAKE 19 READY TO FREESTYLE BY LSD	US BOX 5.5"	5.0-6.8	6.02	6.42			

FUTURA												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON	RECOMMENDED FIN RANGE			
90	233	62	40.7		Drake Slalom DW 34 Ready To Race	Tuttle	4.0-7.0	5.3	5.8	28-38		
97	235	67	44.4		Drake Slalom DW 36 Ready To Race	Tuttle	4.5-7.5	5.6	6.15	30-40		
107	235	71	46.6		Drake Slalom DW 38 Ready To Race	Tuttle	5.0-8.0	6.0	6.70	34-44		
117	231	77.5	46		Drake Slalom DW 42 Ready To Race	Tuttle	5.5-9.0	6.1	6.7	36-46		
127	230	83	52.3		Drake Slalom DW 44 Ready To Race	Deep Tuttle	6.0-9.5	6.7	7.40	40-50		
137	230	88	54		Drake Slalom DW 46 Ready To Race	Deep Tuttle	6.5-10.0	7.0	7.70	42-52		

CARVE												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE CARBON	WEIGHT 3DX	RECOMMENDED FIN RANGE			
121	251	75.5	47.5		Drake FreeRide Power 42	Tuttle	5.0-8.0	7.4	9.1	36-44		
131	252	81	48.4		Drake Freeride Power 44	Tuttle	5.5-8.5	7.66	9.2	38-46		
141	251	83.5	51.2		Drake Freeride Power 46	Tuttle	6.0-9.0	7.82	9.5	40-48		
151	251	86	53.9		Drake FreeRide Power 50	Tuttle	6.5-9.5	7.9	9.8	44-52		
161	250	86.5	54.0		Drake FreeRide Power 50	Tuttle	6.5-9.5	8.0	10.3	44-52		

ISONIC												
MODEL	VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN BOX	RECOMMENDED FIN RANGE	FIN	RECOMMENDED FIN RANGE	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON
iSonic Speed	53	225	44	25.6	Tuttle	18-24	without fin	TBC		4.5- 5.6	4.3	4.5
iSonic Speed Slalom	70	231	50	32.2	Tuttle	24-30	without fin	Drake Slalom DW 28 Ready to Race		4.7-6.2	4.6	4.9
iSonic Speed Slalom	75	232	55	35.7	Tuttle	26-32	without fin	Drake Slalom DW 30 Ready to Race		4.7-6.2	4.	5.1
iSonic Speed Slalom	80	231	59	37.4	Tuttle	28-34	without fin	Drake Slalom DW 32 Ready to Race		5.1-7.0	5.0	5.3
iSonic Speed Slalom	87	232	60	38.3	Tuttle	30-36	without fin	Drake Slalom DW 32 Ready to Race		5.1-7.0	5.25	5.5
iSonic Speed Slalom	90	232	62	39.6	Tuttle	32-38	without fin	Drake Slalom DW 34 Ready to Race		5.6-7.8	5.42	5.75
iSonic Slalom	97	231	67	45.4	Tuttle	34-40	without fin	Drake Slalom DW 36 Ready to Race		5.6-8.2	5.85	6.1
iSonic Slalom	107	231	71	47.8	Deep Tuttle	36-44	without fin	Drake Slalom DW 38 Ready to Race		6.2-8.6	6.04	6.3
iSonic Race Slalom	117	231	77	50.8	Deep Tuttle	38-46	without fin	Drake Slalom DW 42 Ready to Race		7.0-9.2	6.36	6.7
iSonic Race Slalom	127	231	82	59.5	Deep Tuttle	40-48	without fin	Drake Slalom DW 46 Ready to Race		7.8-9.5	6.90	7.2
iSonic Race Slalom	137	231	85	61.1	Deep Tuttle	44-52	without fin	Drake Race 50 Ready to Race		7.8-10.0	7.15	7.5




FORMULA									
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	RECOMMENDED FIN RANGE	RECOMMENDED FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT REFLEX CARBON
177	228	100.5	84.6	Withtout Fin	62-70	Z Fins 70	Deep Tuttle	8.5-12.5	9.0

ULTRASONIC												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	RECOMMENDED FIN RANGE	RECOMMENDED FIN	FIN BOX	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON			
147	241	95	66.0	Drake Race 58 Ready to Race	54-62	Deep Tuttle	7.8-12.0	7.6	8.0			

FORMULA EXPERIENCE PROKIDS												
MODEL	VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	RECOMMENDED FIN RANGE	RECOMMENDED FIN	RECOMMENDED SAIL RANGE	WEIGHT 3DX			
Formula	117	216	92.5	69.8	Drake Race 62 Ready to Race	54-64	Drake Race 62 Ready to Race	5.5-8.5	9.1			
Experience ProKids	167	228	100	84.3	Drake Race 70 Ready to Race	60-70	Drake Race 70 Ready to Race	6.5-11.0	11.69			
Formula One	110	230	75.5	50.7	Drake Slalom DW 38 & 42 Ready to Race	38-46	Drake Slalom DW 42 Ready to Race	7.0-9.2	8.40			

PHANTOM												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	RECOMMENDED FIN RANGE	RECOMMENDED FIN	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE REFLEX CARBON	WEIGHT ULTRACORE CARBON	WEIGHT REFLEX CARBON	WEIGHT 3DX	
217	295	72	52		Drake Venom 54 + Daggerboard 78	44-56	Drake Venom 54	5.5-9.5				
267	377	67	49.1		Drake Race 52 Ready to Race + Daggerboard 78	45-55	Drake Race 52 Ready to Race	6.5-9.5		13.0		13.2
297	377	67	49.2		Drake Race 52 Ready to Race + Daggerboard 78	42-56	Drake Race 52 Ready to Race	6.5-9.5		14.5		
249	299	69	50.1		Drake Race 58 Ready to Race	40-62	Drake Race 58 Ready to Race	6.5-9.5	12.0	13.0		16.0



atomia												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	FIN BOX	RECOMMENDED FIN RANGE	RECOMMENDED FIN	RECOMMENDED SAIL RANGE	WEIGHT ULTRACORE CARBON	WEIGHT 3DX		
104	239	71	43.0	Drake FreeRide Power 36	Power	32-40	Drake FreeRide Power 36	5.0-8.0	6.80	8.4		
114	239	75.5	46.6	Drake FreeRide Power 38	Power	34-42	Drake FreeRide Power 38	5.5-8.5	7.10	8.8		
124	239	81	50.4	Drake FreeRide Power 40	Power	36-44	Drake FreeRide Power 40	6.0-9.0	7.30	9.1		
114 DUO	239	75.5	46.6	Drake FreeRide Power 38 + Drake Shallow 41		34-42	Drake FreeRide Power 38	5.0-8.0		9.1		
124 DUO	239	78.1	50.11	Drake FreeRide Power 40 + Drake Shallow 41		36-44	Drake FreeRide Power 34	5.5-8.5		9.5		
130 DUO	239	84	50.7	Drake FreeRide Power 44 + Drake Shallow 41		40-48	Drake FreeRide Power 44	6.5-9.5		9.9		

GO												
VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN	RECOMMENDED FIN RANGE	RECOMMENDED SAIL RANGE	WEIGHT 3DX					
121	251	75.5	47.5	Drake Freeride Power 42 + Plug	36-44	5.0-8.0	9.4					
131	252	81	48.4	Drake Freeride Power 44 + Plug	38-46	5.5-9.0	9.9					
141	251	83.5	51.2	Drake Freeride Power 46 + Plug	40-48	6.0-9.5	10.3					
151	251	86	53.9	Drake Freeride Power 50 + Plug	42-50	6.5-10.0	10.8					
161	250	86.5	54.0	Drake Freeride Power 50 + Plug	46-54	7.0-10.0	11.5					

RiO												
MODEL	VOLUME	LENGTH	WIDTH	TAIL WIDTH	FIN BOX	FIN	RECOMMENDED FIN	RECOMMENDED SAIL RANGE	WEIGHT	ARMOURTECH	WEIGHT	ARMOURTECH (SCHOOL EDITION)
Rio S Long Tail	196	295	79	54.2	Tuttle 3 Holes + Clipper Box	Drake Shallow 310 + Daggerboard 57	31-41	2.0-9.5	13.2		13.2	
Rio M Long Tail	219	308	81.5	55.7	Tuttle 3 Holes + Clipper Box	Drake Shallow 410 + Daggerboard 57	31-41	2.0-9.5	14.2		14.2	
Rio L Long Tail	259	333	86.5	60.8	Tuttle 3 Holes + Clipper Box	Drake Shallow 410 + Daggerboard 57	31-41	2.0-9.5	15.9		15.9	
Rio XL	266	336	82.5	48.1	US 8" + Algaier	Drake Shallow 220 + Daggerboard 62	-	2.0-9.5	18.0		18.0	