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20 years flew by and the 2015 Starboard range is ready to meet the water.

The people joining our journey of developing great gear all have very different ideas on what new or old concepts may work.

The full development process has been refined 20 times over and we can thank Tiesda You, Remi Vila and Scott McKercher in particular. With the support of legends like James Hooper, Dany Bruch, Ian Fox and Ben Severne we have a unique brain pool to take windsurfing gear to the next level, time after time.

Our riders and world champions will always validate the designs and technologies before we go to production.

The mosaic between ideas and final approval of boards tested around the planet is quite complex and a world where only the very best idea survives.

My role is to push for even higher speed and improved accuracy in the high-paced shape evolution. I particularly want to see that we move forward with better gear for entry-level and progressive windsurfers.

The new Rio boards set the benchmark for first-time buyers and the Rio Long Tail will make more people decide that windsurfing will become "their sport" once they try it out in a school.

The larger Atoms create a lot of excitement, these boards make it possible to blast in any condition, with a huge wind range and a total bite around the corners. Like it or not, Windsurfing was a sport in decline from 1985 until 2012.

Now the trend has changed, we see numbers rise and it's pretty cool to be a part of the rebirth of the world's best sport and that right here in the world's best windsurfing team .

Looking forward.

Vei ( (ashmus

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Svein Ramussen



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### nnovation Quality. Service and Performance

Innovation. Since 1995, Starboard has been at the forefront of windsurfing board design and technological innovation. Since we last updated our list of World's Firsts in our 2011 catalogue (see opposite page), we've brought more innovative ideas to reality, with new designs we hope will continue to help shape modern windsurfing, from entry-level to waves and everything in between.

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**Quality.** With the most experience, with your feedback, with our unique position closest to our board factory and with the industry's tightest quality control, we're happy to see our rate of reported claims drop below 0.5% - an industry leading statistic and a guarantee of the best quality. It goes without saying that the Starboard team continues work to eliminate quality problems altogether.

Service. With our network of shops and distributors around the world, we have literally turned upside down our service processes. Missing a screw or having structural problems? Any problems are aimed to be resolved within 48 hours.

Performance. Above everything else, we are most proud of our oards' sheer performance on the water. Since Constructor's Titles were awarded, we've won more PWA Constructor's title than Ferrari in Formula 1. Unlike Ferrari however, all titles are won on production boards identical to those you find in the shop.

> lking performance, this brings us to Starboard 2015: ngst our collection of boards, we believe you will find the fastest, lightest, strongest, easiest-planing, most efficient and most innovative designs on planet Earth, from the new Rios, the new Black Box, the AtomIQ Windsurfer, the new Inflatables, the new UltraSonic, to the Slalom One and so much more.

> > On behalf of our development team, our professional athletes, our network of butors around the world, I'd like to wish you a windy windsurfing season 2015.

Hybr

Sup

Wood Technology	1995 - the World's first wood sandwich boards
GO	1998 - the World's first wide shortboard, the first full E
Carve	1999 - the World's first short, wide freeride boards
Start	1999 - the World's first ultra-wide beginner board
Formula	1999 - the World's first dedicated Formula windsurfing
Free Formula	2000 - the World's first freeride oriented Formula boar
Fish/Evo	2000 - the World's first short and wide real world wave
rmula Experience	2001 - the World's first Formula Experience boards
Kiddy	2002 - the World's first real kids board
Hypersonic	2002 - the World's first short, wide slalom boards
Compact	2004 - the World's first 2m windsurf board made for tr
ProKids	2004 - the World's first dedicated performance boards
Z-Class	2004 - the World's first production Hybrid style board
id Formula/Carve	2005 - the World's first Duck-Tail hybrid boards
Aero	2005 - the World's first lightwind cross-over board
Serenity	2006 - the World's first modern non-planing board with
Gemini	2006 - the World's first wide-style tandem
Apollo	2006 - the World's earliest planing board
Futura	2007 - the World's first extra-slim freeride boards
WoodCarbon	2008 - the World's first board construction to use flat-
SUPer	2009 - the World's first SUP board with a retractable d
Quad	2009 - the World's first production quad fin wave board
Atom	2010 - the World's first super slim, hyper maneuverabl
Quad IQ	2011 - the Word's first adaptable multi-fin wave board
er Slick / A.S.A.P.	2011 - the World's first windsurf/SUP crossover softbo
Slot Box	2011 – Starboard introduces the lightweight new fin b
hantom 295/377	2012 – the World's first Bat Wing boards
Inflatables	2013 – the World's first inflatable daggerboard windsu
Black Box	2014 – the World's first wave board designed to maxir
Quick Rig	2014 – the World's first snap-together sail that rigs in
aterman Package	2014 – the World's first stand-up paddle and windsurf
Long Tail Rio	2015 – the World's first long tail board design
Slalom Experience	2015 – the World's new One Design Slalom package

Twenty Years of Innovation Quality

A deck

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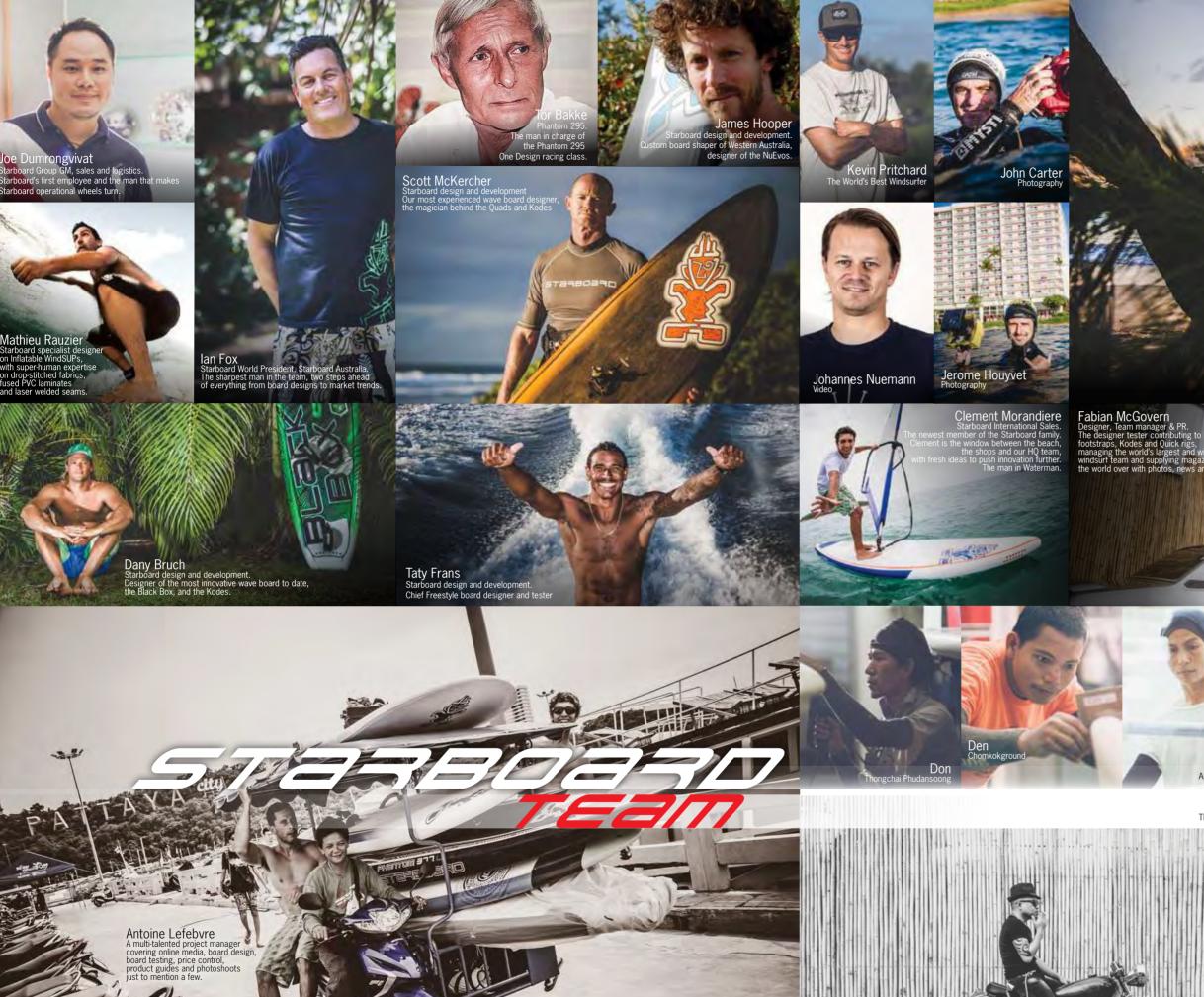
standard

rf board nize mushy conditions 30 seconds package



Tiesda You Designer / Brand Manager

From growing up windsurfing and shaping boards in Qatar at the age of ten, Tiesda went to graduate with honours from the UK's most highly-rated engineering university. Since joining Starboard fifteen years ago, Tiesda's unique understanding of fluid dynamics and the mechanics of windsurf boards led to designs such as the HyperSonic, the iSonic, the Long Tail concept, the thin Atoms, the Serenity, Windsurfing Cats and many more.



KOLTOBLACK (Nitiroj Chawalerswattanachai) Graphic designer, photographer, the talent behind Starboard's new graphic design language

Remi Vila Starboard design and development. The talent behind our racing program, improved quality and construction performance Arnon Saison Starboard's production m our most reliable and most member of the Starboard Chart Apichat Taewnade Toon Phaitoon Kaewhorrit Ex Thanuphong Saisonthananant

The very best shaping team in the world, shaping and developing the most accurate prototypes known to man.

Arwut Sanpatchaya

Lei Angelic Abinan Graphic Designer: product guide, web banners, advertisements







Since Windsurfing Constructor's titles were awarded, Starboard has won more windsurf constructor's championships than Ferrari, McLaren, Williams and RedBull in Formula 1 combined; a feat also achieved exclusively on Starboard production boards.

We'd especially like to congratulate Kiri Thode on his maiden Champion's title, Alberto Menagatti who claimed the 2013 Slalom Vice-Champion title, Sarah-Quita Offringa and Daida Moreno on their record World Champion titles.



Moritz Mauch PWA Vice Youth W

Raimondo Gasperir

Finn Mullen Roberto Hoffman 2014 IFCA Gran Master World Champion



Gonzalo Costa Hoevel 3rd place Formula Worlds 2014

Timo Mullen

Fabio Calo

Connor Baxter

**Enes Yilmazer** 

2013

Maaike Huvermann PWA Youth Freestyle Womens Champion 2013

Aron Etmon

## The Best Team of Athletes in the World



### CARBON HYBRID // CARBON WAVE EDITION

Carbon is our lightest and stiffest construction. We use flat-laid filaments instead of woven filaments, making our Carbon significantly stiffer and lighter than regular carbon.

Carbon Hybrid: boards that are jumped and boards that benefit from a more comfortable feel use Wood PVC sandwich on the bottom.

The Carbon Wave Edition construction goes a step further: we use a thicker T700 Biaxial Carbon grade on the deck, dual density, double sandwich PVC core on the bottom and a new uni-directional triangular reinforcement carbon patch extending from the tail to the mast track.

Boards that require maximum stiffness and responsiveness, typically racing boards, use single PVC core and carbon both on the deck and bottom (Carbon Reflex - see next page).

Advantages: lightest weight, stiffest flex for the best acceleration and crispest response. Strong yet comfortable.

\*Throughout 2013, magazine tests have measured Starboard Carbon boards to be 200g lighter on average than the competition.

WOOD // WOOD WAVE EDITION

Developed by Jean Louis Colmas in 1984,

Starboard's production Wood boards set the

competition, yet with higher impact resistance. Today, boards from many brand

Technology remains a favourite for riders

that special, unique feel of an original

preferring more comfort, more control and

Wood Technology became Starboard's

lead in lightweight sandwich technology

then, weighing in at a kilo under the

follow with a similar yet heavier

Starboard Wood board.

construction. At Starboard, Wood

trademark construction in 1995.



Dual density, double thickness EVA pads

Full 0.6 Australian pine wood bottom

UV protection film

All Starboard Wood boards use a full PVC sandwich core to form the deck. This makes it lighter, stiffer and stronger than other wood or bamboo constructions that do not have a PVC sandwich core.

Advantages: Lighter than any other construction except Carbon. More impact resistant and more comfortable than Carbon.

\*Throughout 2013, magazine tests have measured Starboard Wood boards to be 370g lighter on average than the competition.

Light weight custom paint finish

than other average Wood boards\*

NEW WAVE EDITION CONSTRUCTION Uni-directional flat Carbon fibre zone, reinforcing the most stressed sections

Dimensions of the patch: 90cm x 60cm

Double layer, dual density PVC sandwich bottom

Dry weight: 80g

Lower density internal layer

Higher density external laver

Dimensions of the patch: 90cm x 60cm Dry weight: 80g

Double layer, dual density PVC sandwich bottom Lower density internal layer Higher density external layer



### **TECHNORA**<sup>™</sup>

A lightweight, stiff and crisp construction providing the highest performance value. Technora<sup>™</sup> is a special type of high tenacity Aramid fiber with remarkably high toughness and impact resistance. Technora™ reinforcements, together with Kevlar®. Carbon and Wood laminates strengthen the skin, nose, and heel areas.

Technora<sup>™</sup> boards always use full PVC sandwich core construction, both deck and bottom. Like Carbon boards, we've added black pigment into the resin and kept the paint finish to a minimum, to keep the weight down and to give the board a custom look.

Advantages: light weight, stiff flex, tough in the most impact critical zones. Easier to repair.





### **CARBON REFLEX**

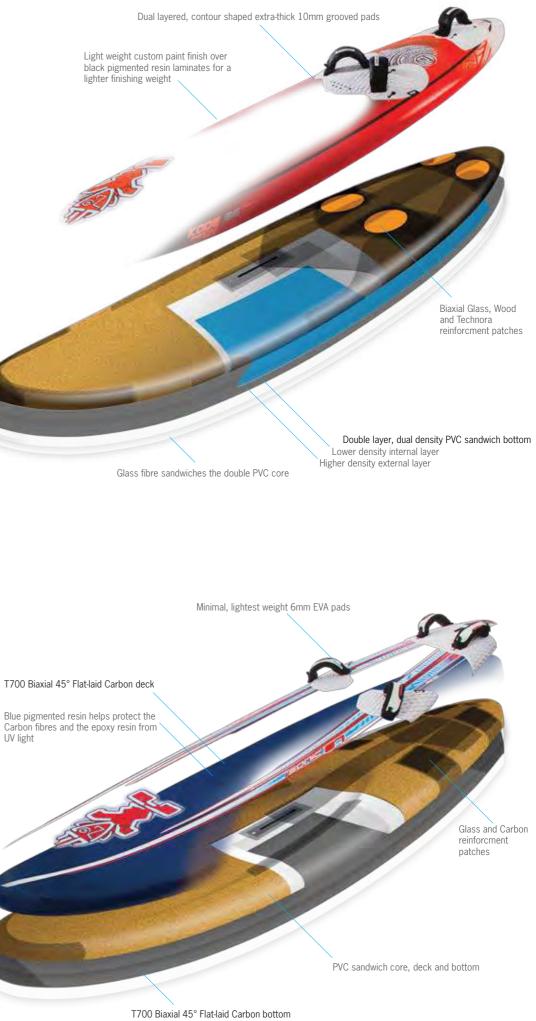
Carbon Reflex designates a racing construction that uses Biaxial T700 flat-laid Carbon on the deck combined with a 75kg/m3 density PVC sandwich core and either Biaxial Carbon or ultra-light Uni-directional Carbon on the bottom depending on the desired flex pattern.

Some boards use 30° weaves, some use  $45^\circ$  degree weaves and others use a combination which also includes uni-directional (0° weave) carbon, to achieve tailor-made reflex response according to the boards' length, thickness and wind-range.

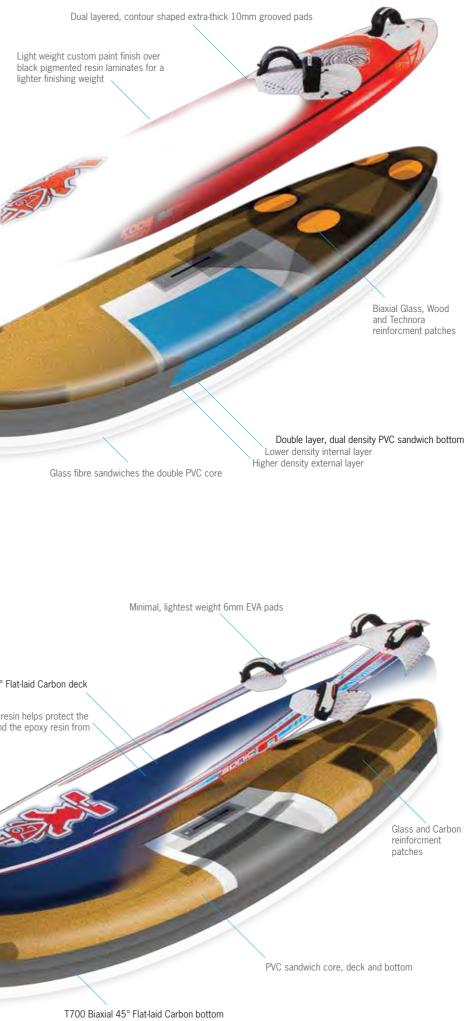
Carbon Reflex are our lightest and most responsive feeling boards. Unlike ultra-stiff Carbon boards of previous generations, the Carbon Reflex flexes and responds to give a fast, efficient and comfortable ride.

New blue pigmented resin finish helps protect the epoxy resin and carbon fibres from UV light.

Advantages: our very lightest weight, with fastest flex for the best acceleration and crispest feel.



Full 0.6 Australian pine wood deck





### **TUFSKIN // TUFSKIN REFLEX**

Maximum durability and value. Tufskin technology uses layers of 3-dimensional 400g glass mat wetted out with an expanding epoxy resin system that creates volume within the skin as it cures under pressure. This creates a thick, stiff, and durable sandwiched laminate. Wood reinforcements improve the board's rigidity and the deck's impact resistance.

#### Advantages: tough construction, more value, most durable.

Tufskin EVA: a full EVA deck is added for comfort.

Tufskin AST: a hard non-slip deck finish for lighter weight.

Tufskin Reflex: our new Tufskin technology for 2015, using Biaxial Glass 45 degrees instead of the 3D 400g glass mat. Stiffer, cripser and with improved flex.

Uni-directional glass band



### ARMOUR TECH

Starboard's super durable and super tough technology designed for windsurfing clubs and schools. Its construction is similar to Tufskin, but with double the layers of 3D glass and an ASA skin shell.

According to testing by German SURF magazine in May 2009, Armour Tech is lighter and stronger than blow-moulded polyethylene boards like HiFly boards, and also has higher impact resistance.

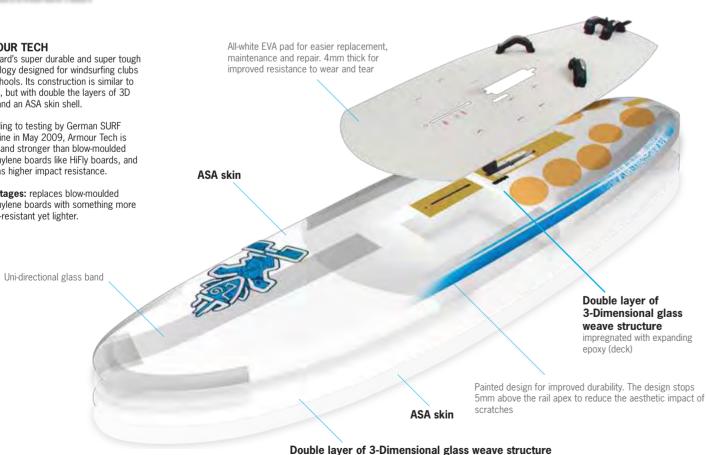
Advantages: replaces blow-moulded polyethylene boards with something more impact-resistant yet lighter.



**3-Dimensional** glass weave structure impregnated with expanding epoxy (deck)

Lower density 15g/I fused-cell EPS core

3-Dimensional glass weave structure impregnated with expanding epoxy (bottom)



impregnated with expanding epoxy (bottom)



As Strong As Possible! Starboard's ASAP technology uses a soft deck and soft rail construction, over a glass fibre shell that wraps around an extra-high density EPS core. A 3mm stringer adds extra longitudinal stiffness and a 0.6mm pine wood covers the back half of the deck for extra durability. The rails are finished in scuff-resistant, higher-density textured EVA.

What's special? It's strong - we've dropped 10kg steel balls from different heights. Regular boards crack at a height of 20cm. A.S.A.P. shows only a soft dent at heights of 100cm

Advantages: super tough, affordable, safe and user-friendly.

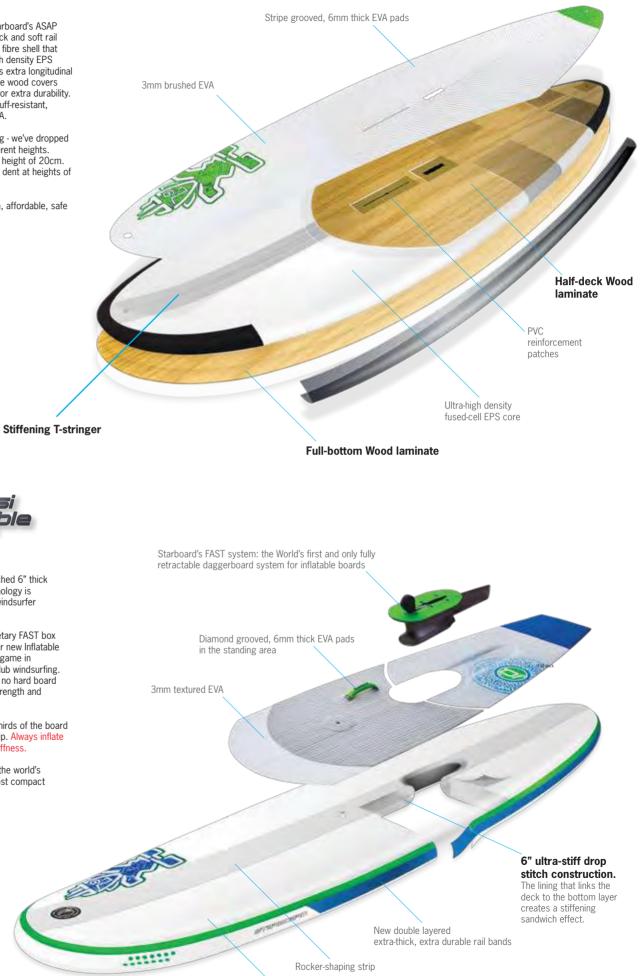
3mm brushed EVA

Using super stiff drop-stitched 6" thick inflatable fabric, this technology is reinventing the inflatable windsurfer concept.

Combined with our proprietary FAST box and Clipperbox fittings, our new Inflatable collection is changing the game in recreational, school and club windsurfing. For their size and volume, no hard board can match their weight, strength and durability.

An EVA deck covers two thirds of the board to provide comfort and grip. Always inflate to 17 PSI for maximum stiffness.

Advantages: Technically the world's strongest, lightest and most compact technology, all in one.



The World's STRONGEST. LIGHTEST and MOST COMPACT board consruction



REALET

The Slot box is designed to be extra light, weighing 70% lighter than a US box. It has 3cm of adjustment room and current US based fins can be cut to fit. The custom-manufactured bolts fit the same screwdriver as your footstraps, making them effective against sand, keeping the system simple and hassle-free.

"Quad boards fitted with Slot Boxes weighed, on average, 640g lighter than those using conventional boxes" (Boards magazine 75 litre wave boards test)



 $\square$ 

The new tool-free Clipperbox system: New Clipperbox retractable daggerboard system: the new daggerboard moulds the handle and blade into one piece for a stronger design. The daggerboard can be removed from the board without tools, by positioning the daggerboard at 45 and pulling up. The new rubber lips can be removed and replaced easily also without tools. Featured on the Rio, the Start, the WindSUP Electric, the GO Windsurfer and Atom Windsurfer.

Heel bumpers: cushion landings, protect the board from heel impacts. . Featured on the Quad.

Tuttle Box: the strongest and most reliable fin box system. Two bolts are used for a more secure fitting. Boards fitted with a Deep Tuttle fin box can use both normal and deep tuttle fins, allowing the board to use a wider range of fin sizes.

One screw fits all: air-valves, tuttle boxes, Slot box, US box, footstraps: a single screw driver fits them all. Simple.

### Drake Wave Straps Mk III

Wider double-flap straps shaped for wave/freestyle riders. Extra strong, holds its shape impeccably and features strap-size indicators for easy size adjustment.

### Sponge pads:

super comfortable fish-scale pads with a 5mm sponge underlay that also exaggerate the deck dome for maximum grip and comfort. Featured on Kode FreeWave, AtomIQ and Carve.

Offset Footstrap washer: Extra thick for a firmer grip without bending under pressure. Offset hole: turn the washer 180° and your straps will be tighter by 2.5mm.



7x32mm Footstrap Screws: Starboard's extra wide footstrap screws increase the overall strength of this connection point. The screws won't snap nor rip out.



Fish Scale Pad: unidirectional traction that grips when pushing into the straps, and releases when pulling out.

Dual Density Thick pads: softer inside layer for comfort, harder, grippier upper layer. Total thickness of 11mm gives a nice high ride. Featured on the NuEvo and Kode Wave.

#### Drake Slick Straps MkV:

-2.5mm

Narrower freeride/slalom straps. Built similar to the Wave strap with added flex and a narrower body. Size Indicator Tabs makes strap sizing a breeze.

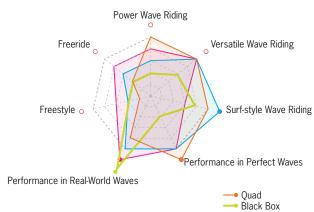


K9 Anti-twist plugs: sandwiched between the board and the strap, the K9 plug has four canine teeth that sink into the strap to provide a mechanical anti-twist effect. No twisting means better control, better feel and better safety. On the most heavy-duty boards. the K9 system is replaced with double-screw strap inserts for the back strap: no twist and super strong.





on 5.6, in really, really shitty conditions... nobody could do anything and I was flying around playing full on with the tiny waves. The board is working incredible good in shitty conditions... the board, as soon it gets a bit of acceleration of the wave it starts to get loose and it maintains speed all the time... a few people have tried it now and they flipped with it too... Adam Lewis from the OTC came of the water and just said that he had never used a board like that... he was not planing at all, as the wind died, but as he said... on the wave, with no power on the sail he could just surf."



- NuEvo

— Kode Wave



5 Extra-compact and stubby at 215cm for maneuverability and floatability

2 Bottom shape: mono concave feeding into flat double concave in the standing area for lift, quick accelerations and speed on the wave. Vee in the tail for a responsive feel when engaging the rails

MB Twinzer fins close to the rails and far forwards for easy rail-to-rail transfers and extra-fast response. The trailer fin gives tracking and drive

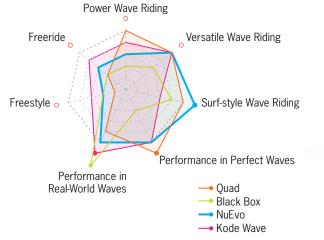


The NuEvo is Starboard's high performance surfboard style wave board that specializes in tight, butter-smooth rail turns with excellent rail-to-rail transitions and extra-tight top turns. With soft round rails and flatter decks, these boards react like surfboards.

The extra-compact outline helps the NuEvo in jumping and aerial maneuvers. This outline also reduces the swing weight of the board while the wider tail helps the rider to boost off ramps with ease. The forward Vee, soft pads and soft rails dampen the effects of chop, making the NuEvos comfortable boards for general sailing.

"The idea of the NuEvo came about 5 years ago. There were a few ideas I felt were missing in the current crop of production boards. I started building some longer boards with wider tails and twin fins set close to the rails. These boards were working relatively well but still felt like they were missing something. I started thinking about what the extra length in the nose and tail was doing and I ended up cutting off the nose and tails and reshaping a board that I already had. It ended up being a funny looking board but when I tested it, it was really good. It still had plenty of drive and felt looser and even more responsive to foot movement than before. I thought it was good so I gave it to Ben Severne to try out at Margaret River and he came back being stoked about how well the board went. I decided to make a few more and refined the shapes to fit the shorter lengths. These boards were working really well now. We sailed the boards all over the place from Gnaraloo to Geraldton and even Indonesia. I started to give the boards to others to try and got some really good feedback.

With the new NuEvo 120, in general sailing conditions with sails up to 6.0m2, I would recommend using the board as a twin with the 17.5 Twin Surf fins supplied. For ultra light wind conditions, use the trailer fin in the central position of the fin box for maximum upwind advantage. For marginal conditions with larger sail sizes try the centre fin at the back of the fin box."



**1 Rocker:** medium rocker is a comfortable balance between drive and release. Suits all conditions and riders. Flatter rocker on the NuEvo 120 for light-wind performance

STARBORRO

**2 Wave size:** best performance in waves from 1 to 6 foot (knee to logo high) and side-on shore to side shore winds

### James Hooper, NuEvo shaper and designer

25 **\*** 

**Deck & Rails:** flat deck for a thinner board feel with a thicker board float. Small amount of tuck with sharp edge for release in the tail section. Rails forward of the mast track are full rounded on the smaller boards and sharper with a lot of tuck on the bigger sizes

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**5** Bottom shape: flat in the nose, feeding into a deep double concave with Vee from the mast track back. Extra Vee in the larger sizes radically improves rail-to-rail transitions

4 Fins: All boards in the NuEvo range feature toe in fins (the fin boxes are angled towards the nose of the board) which helps to keep the full rail in the water when turning. With the fins set up so close to the rail, the board turns effortlessly; similar to a surfboard. The NuEvo 120 comes with a third fin trailing for better upwind capabilities in very light winds.

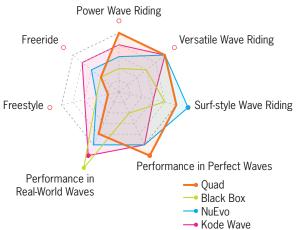


The Quads are Starboard's most versatile wave boards with three new shapes for 2015. They generate maximum drive and acceleration, bringing an awesome production of speed, flow and power to your sailing in all wave & wind combinations. Stable and extremely responsive, the Quads are most rewarding when driven off the rails for powerful yet smooth turns. The four-fin grip gives a very connected sensation to the wave yet they still have the ability to lose the tail when extended through the lip for a rotational move

Scott McKercher: "For 2015, subtle changes producing significant differences in performances have been introduced on three models in the range. The Quad 79 and 84 have their Vee brought forward of the fins. This produces more precise rail-to-rail control in the bottom turn allowing for quicker trajectory changes as well as facilitating cutbacks as the board rolls off the Vee to set the forward rail.

More outline curve was added between the footstraps of the Quad 74 for quicker and tighter turns as well as allowing the board to project more vertically up the face of the wave".

Windsurf Magazine - Wave board Test 2014: "There's something special going on in the acceleration and nature of the turning here. You feel very connected to the rail on this design and can feel awesome, direct bite and projection to instantly set up a ride just right. Through and out of the turn, we felt we could do anything! Vertically hook, climb foam, carve, pivot off the fins... It always seemed reliable in the way it came off the top. It delivers confidence and amazing drive into, through and out of turns. A real tester's favourite.'



**PWA Champion PWA Champion** Scott McKercher Daida Moreno **PWA Champion** Iballa Moreno

**1** Squashed square-tail shape creates extra buoyancy that gives the Quads more versatility in light winds, slower waves and on-shore conditions while providing good projection off the lip.

layer pads

2 Quad 79, 84: the mono-concave transition into a double concave has been moved forward, in front of the front fins, for guicker and easier rail-to-rail transitions and cutbacks.



5 Heel bumpers combined with dual

4 New G10 fins, new Slot Box 10



**67** L: 221 W: 53.5

**72** L: 220

**82** L: 230 U: 58.5 **---**L: 224 U: 58

Carbon Wood TECHNORA **92** 

The signature wave board of two times World Champion Philip Köster. Fast to get on the plane with a high top end speed, they are the most ideal boards for big airs and double forwards. They just want to boost whether it's jumping or wave riding, with excellent projection above the lip along with being able to spin around it.

**87** L: 230

Drive and speed are initiated off of the front foot, as is the rotational spinning style of Köster. MB Twinzer fins in a new G10 construction aid in the early release of the tail for backside 360's and Takas whilst the board is still able to maintain the drive required for going down the line.

The new Wave Edition construction adds a triangular layer of unidirectional carbon extending from the back footstrap to the mast track, for a virtually indestructible board.



Daida Moreno

Iballa Moreno

Philip Koster

Power Wave Riding Versatile Wave Riding Freeride Surf-style Wave Riding Freestyle Performance in Perfect Waves Performance in Real-World Waves --• Quad -Black Box

--• NuEvo

--- Kode Wave

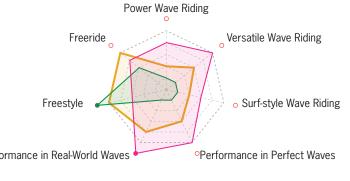
1 New vertical squarer twin G10 fins (design by MB Fins) generates a compact power delivery that allows the rider to release and control the tail off the top. In a straight line, they provide plenty of traction. Philip Koster uses the Maui Ultra Fin X-Twin for a slashier feel. Dany Bruch uses the stock MB fins



a softer ride through chop

and speed









while being thicker in the tail for comfort.

similar to the front steering wheels of a car.





Designed by Taty Frans, Remi Vila and the choice of reigning PWA Champions Kiri Thode and Sarah-Quita Offringa. Taty Frans, chief designer of the Flares: "We have finally reached the goal of making the most magical freestyle board yet".

The Flares are boards that pop air easily and respond to a rider's move instantaneously. They are fast in acceleration and feel compact and light in sliding and aerial maneuvers. The Flare's full Carbon REFLEX construction is very strong yet remains ultra-light, responsive, controllable and comfortable thanks to their flex and reflex characteristics. The design of the board also helps to push riders to go bigger each time while being forgiving enough to help them finish each move.

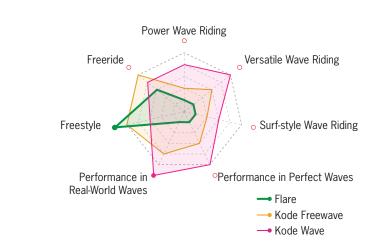
The short length with the mast track moved back makes the Flare lift amazingly for aerial moves. The acceleration and planing ability is incredible due to the extra thick tail and hard edge rails. The rider will feel stable and in control thanks to the flattened deck in the front.

The Flare just goes with little work.





PWA Champion Sarah-Quita Offringa



IDE RESTULE CHAMPION

1 Exaggerated deck dome and heel gutters improve rider comfort, grip and control over the board.

STARBOARD



2 Extra thick tail with increased volume allows for a higher stance while making the board more forgiving in combined intricate maneuvers.

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Bonaire 0

**3** Fully round rails from 90 to 120 and increasing control in maneuvers.

4 Flatter front deck on the 81, 91 and 101 for better grip and balance while the rider is not planing.

5 Fast racing chassis: rockerlines and vee distribution come from Starboard's iSonics





80

before.





























added lift in medium winds.

87

wind models that used to be longer and more classic.

is used for these two sizes, tuned for their new concept shapes.

L: 234 W: 60



All-new shapes and completely upgraded

are leaner, quicker and faster than ever

throughout the range, the new iconic iSonics

2015 marks the year where all iSonics follow the same slim compact design concept, even the high

The 80 and 87 are thus thinner, shorter, and wider at the front footstrap level to the mast track. The planing area is narrower behind the back footstrap for a more tapered shape. A new rocker line

The 90 and 97 is wider between the footstraps for more stability, but not wider overall since they

were already in the compact shape concept. Slightly narrower planing surface behind the back straps. The double concave is replaced with flat vee in the 90. The 97 keeps its concaves for

The 107 is 1cm wider at its max, wider between the straps: more stability, earlier planing and

quicker acceleration; but narrower planing surface behind the back footstrap for more top end

speed and average speed. It's thinner overall and it keeps the same rocker, vee and concave.

The 110, 120 and 130 are the lightwind models. The max widths stay the same; widths are

increased between the straps but the planing surface is made narrower behind the back footstraps.



107 L: 231 U: 70.5

110 L: 230 U: 759

120

130

Carbon шоор



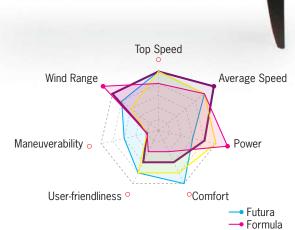
• Ultrasonic - iSonic

1 2015

1 Wider between the straps and narrower planing shape for a more stable and wide planing surface with less drag

2 The heel extensions gives the back foot power and support, with increase leverage over the narrow wetted surface

3 Secondary wingers are closed off on the deck side, eliminating the full step that can crack under exceptional stress





surface behind the back strap: a more tapered







BOARD: STARBOARD SLALOM ONE Sail: STARBOARD FS ONE 6.5 + 7.5 + 8.5 Fin: DRAKE READY TO RACE 38cm + 42cm

Corporate event? Birthday party? Club championship? Or maybe you just want to see who's the winning slalom racer among your friends. Starboard Slalom One packages are available throughout 2015 to rent on demand and at Starboard Slalom One weekend events.

For information on availability, prices and conditions, email us at info@star-board.com. Individual packages can also be ordered through shops, Starboard representatives and at event weekends.



**4** The sail: Starboard twin-cam FS One, in 6.5m, 7.5m or 8.5m sizes.

**1** The shape: Starboard's iSonic 110

2 The technology: Starboard's new Tufskin Reflex construction



**3** The fins: high performance slalom fins by Drake. 38cm for higher wind conditions. 42cm for lighter wind conditions.





GPS speeds possible.

The two middle sizes, the W49 and W54, are Bjorn Dunkerbeck/Carlos Sosa designs made for consistently fast runs throughout a wide range of conditions. These are the typical choices for speed riders on the tour. The deck shape is very domed and the deep deck concave adds control, closes the gap between the sail and the deck, and keeps the sail more upright for improved efficiency.

The largest size, the W58, is quite wide by speed-board standards. It is designed to deliver the highest possible top speed in relatively light wind conditions. This size features mini-cutaways and a thinner profile.

The W44 is Remi Vila's design based on Bjorn Dunkerbeck's original with added cutaways, a slimmer profile and a shorter nose. It is designed specifically to break the production speed record.



₫40

CARBON шоор

7 Heel extensions allow the back foot to apply a positive pressure on the rail. Without the heel extension, the new side cut away shapes would have created a slippery angle of the rail and your back foot would fail to provide constant power

6 New cutaway shapes combined with 'side' cut outs and heel extension: reduces wetted area for the same lift, which makes it more efficient. The fin gains more traction and the rider will feel like the board locks more on to its fin. Most importantly, the width of the tail at the 'one-foot-off' remains the same: the board will maintain its ability to provide power, anti-roll stability through chop and acceleration out of a jibe



### The All-New 2015 UltraSonic

The magical board that started the ultra-planing lightwind category has been upgraded to its fourth generation design.

2cm wider at the max width, narrower wetted surface area in the tail, 7mm thinner and a new rocker line: earlier, easier planing, higher top speed with a more efficient, slippery feel, sharper acceleration in the gusts and a bigger wind range than previously. It's the new UltraSonic and it's the new Ultra-planing, lightwind slalom henchmark

1 The UltraSonic design starts from the iSonic base and adds some extra width and loses more thickness

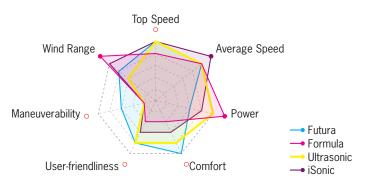
2 The new 2015 shape is 2cm wider but the tail is not wider, for a smaller wetted surface area at top speed

**3** The new 2015 Ultrasonic is supplied with a new, highest performance Drake Ready to Race 58cm

4 The rail shapes under the footstraps are more comfortable and less boxy than the iSonics. This makes the board more comfortable, the straps are easier to get into and there is less burning-power in your back-thigh when fully powered



## Pure Biaxial T700 Reflex Carbon construction deck and Unidirectional 80 carbon bottom, pure carbon rail reinforcement to increase the reflex rate for virtually no energy waste, pure speed-needle shapes for one thing in mind: the highest windsurfing





167 carbon 167 TUFSKIN REFLEX

The most popular and favourite Formula board, Starboard's Formula 167 enters its second year. New for 2015: the Formula One.

The new Formula One is the 167 built in extra-strong Tufskin Reflex technology, made specifically for the new Formula Experience cycle: more power, more wind range, higher upwind, deeper downwind.

**₫**42

Also new for the Formula Experience class is the newly developped Starboard FS One 9.5 and 11m.



For more information on Formula Experience events and news: **fe.internationalwindsurfing.com** 



<complex-block>

9.5 and 11m, twin-cam 6.5, 7.5 and 8.5m

**Blue is the new black:** UV protecting pigments are mixed with the resin. Built with Reflex Biax T700 carbon on the deck, UD80 carbon on the bottom.

2 New Side Cut design for a freer ride, more speed, improved upwind angles and quicker acceleration.

4

3 Lowered mast track – improves control and makes your rig position more vertical, which helps to hold your board down and maintain mast-foot pressure.

4 New Bullet Nose design – a low angle of attack for less nose drag, easier and quicker acceleration out of jibes and on to the plane.





Custom made 30 degree Biaxial T700 Carbon deck and 45 degree Biaxial T700 bottom construction: a unique combination of Reflex response adapted to the longer length of a raceboard. 2 Outline concept: reduced width at 66.8cm for improved glide and improved railing effect, combined with Bat-Wing tail design to still gain in early-planing and upwind power

5 The new pigment blue finish mixed into the Carbon laminate improves the board's resistance to UV light.

<sup>4</sup> The L model adds 3cm extra thickness for added volume, ideal for heavier riders. The thickness in the tail, under the back foot in reaching position, remains the same as the standard 377 to maintain control in full planing position. Phantom 377: recommended for sailors under 80kg Phantom 377 L: recommended for sailors over 80kg



World Champion

# The Starboard Phantom 377 and 377L Bat Wing: 55 of the 57 racers at the European Championships chose Starboard, including the top 14 places.

At the Worlds, 85 out of 110 racers were on the Starboard Phantom, 377 or 377L. 14 of the top places were also on Starboard. Congratulations to Wojcik Maksymilian, reigning World Raceboard Champion, Patrik Pollak Vice-Champion and Morris Louis, bronze medallist.







• At low speeds, the **Bat-Wings** sink below the water to allow the water to flow around the narrow, streamlined section of the tail. The board glides with a smooth water exit off the tail.

• In slightly more wind, the board starts to lift on to its rail, so one wing lifts out of the water while the leeward wing continues to travel below the water surface, acting like an extra fin.





As the board increases speed with in more wind, the wide planing surface starts to generate lift, allowing the board to transition smoothly into planing mode. Because the wings are wide, the planing surface is wide. So the transition into planing is happens earlier than other narrow-tail raceboards.
In full planing mode, the board planes high above the water, rides fast and free, allows for deeper fins to be used and for deeper upwind/downwind angles to be reached.





+ Earlier planing

+ Wider wind range

+ Improved upwind tracking

+ Larger fins can be used



295L TUFSKIN AST

The Phantom 295: a fun, social and affordable racing package that covers the widest range of conditions and the widest range of riders, young and old, small, medium or large. **The missing link between the junior Techno class, the RS:X, Formula classes and PWA racing.** 

"A nice balanced gliding feel upwind in light winds. As soon as a little breeze comes the rail wants to angle itself up deliver exciting railing sensations. With a bit more wind the daggerboard retracts and the hull planes up early with great power around the tail part, delivering an enjoyable and fun upwind ride. On the reach the revolutionary winger concept creates a lift and amazing sailing sensation which makes the Phantom 295 the most versatile board in the history of Starboard. The Phantom 295 is a pet project that we are very proud of and wish to share with freeriders and regatta sailors the world over." **Svein Rasmussen** 

#### Photos, top to bottom:

 Siriporn Kaewduang-Ngam and Sarocha Promprat fighting for the championship Blinnika, 2013 International 1st ranking racer 3. Marcos Guedez, view from the top Ceremony 5. The King's Cup trophy 6. The beach site in Phuket 7. 1st women: Siriporn Kaewduang-Ngam, 1st senior: Navin Singsart, 1st Youth: Marcos Guedez 8. Navin Singsart from Thailand 9. Marcos Guedez, from Martinique



World Champion

2 CNC G10 Venom 54cm fin design by C3



**1** Bat Wings: a wide planing surface at high speeds, reduced drag at low speeds.







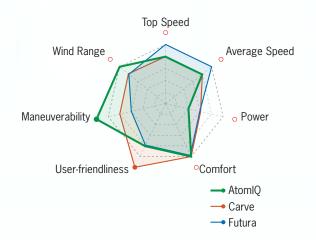
Our slim and thin freeride boards with the widest wind-range. Efficient in light winds like a wide board 15 litres bigger, as maneuverable and controllable as a board with 15 litres less. "Plane big, jibe small".

New sizes and new technology constructions for 2015: 130, 140 and 160 litres models are added to the 100, 110 and 120 models.

All Atoms are now also available in Tufskin AST construction, with the Atom 160 Tufskin featuring an extra centre fin box. Fitting this optional centre fin gives the 160 extra upwind traction for progressing riders.

**Windsurf magazine, April 2014:** "With an electrifying blend of pace and control the AtomlQ delivers a sensationally sporty and hard-carving ride. Rapid acceleration and superb range of use make for a mouth-watering new freeride experience".

**Boards magazine, Flatwater Annual 2014: "These boards have got to be the most exciting development in planing windsurfing right now.** They completely define the meaning of 'freeriding' with their exceptional all-round ability and range. They really are a board for all occasions and if you think you can't afford one, spare a moment to consider that this one board could potentially do the job of two. It will bring back the simplicity, allow you to focus on your windsurfing rather than your equipment and will ultimately bring a smile to your face no matter what the conditions throw at you."



**1** The original pioneering slim freeride board, introduced by Starboard in 2010.

5 New G10 Drake Freeride Glide

tip profile for added speed,

flex and control.

fin: new G10 construction, thinner

2 5mm Sponge layer under the standard grooved 6mm EVA layer, optimising comfort normally hard to achieve with thin profiles.



2

**B** Aggressively hard-edged and thin rails: jibe with grip and power. The AtomIQ carves hard and fast into turns

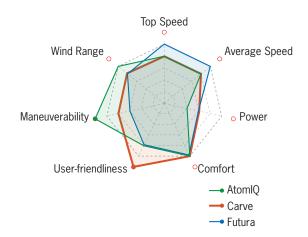
4 Very wide outline: more stable, plane earlier, track upwind with power, fly through lulls and complete your jibes more easily.





The all-time freeride classics, the Carves: plug and play boards that require less fine-tuning to get top performance. Slimmer shapes, wide outlines, narrow tails and a generous length mix performance, wind range and easy planing.

Windsurf Journal, Germany: "Due to its wide outline, the Carve provides great stability in all conditions. Even when sub-planing with big sails, the board will feel comfortable and stable. Due to the reduced thickness of the board, you are closer to the water and can effortlessly control the board. As a matter of fact, the control is much better than the 2013 model, especially in choppy conditions. The acceleration is good and the top speed in light-wind conditions is higher than average. At top speeds, the Starboard Carve remains perfectly in control. One year ago we criticized the 2013 Carve as it required more pressure to initiate a jibe. This year, the board feels much more agile and turns with less effort. Thanks to the great planing abilities of the Carve, fully planing jibes are quite accessible. Our verdict: an awesome overall performance and feels more agile and maneuverable than the 2013 version. For budget sailors, Starboard also offers the Carve in a Tufskin version".



**1 Domed deck** and multiple insert positions for inboard and outboard options. Sponge Pad technology for perfect ergonomics.

7

control.

7 New G10 Drake Freeride Power fin:

profile for added speed, tip flex and

new CNC G10 construction, thinner tip

29

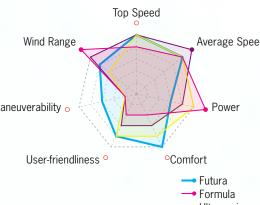
a stable ride.





With the new slimmer size	
concept: Select the new Futura	01
size according to your	
preference for wider range and	
power or more highwind control	
and maneuverability.	
	<b>concept</b> : Select the new Futura size according to your preference for wider range and power or more highwind control





- iSonic





Starboard's iconic range of progressive freeriders. The original, comfortable, stable all-round designs that have ushered in modern windsurfing by making it easy to progress, from earlylearner to advanced rider.

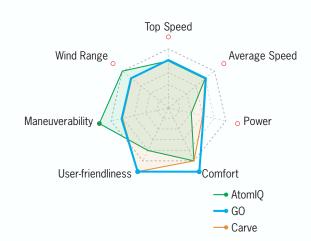
They're about getting planing, hooking into the harness, learning to waterstart, learning to windsurf with speed and power and mastering the carve jibe.

The 2015 GOs have been upgraded to share the same modern slim shapes as the 2015 Carve range: 8% slimmer, they offer a wider wind range with more control in high winds and more power in light winds. With the extra width comes more stability and earlier planing, and the ability to use bigger sails and deeper fins. With reduced thickness comes a sharper, more race-like sensation and improved control in higher winds.

Narrower tails with softer rails in the mid-section improve jibing performance. A new G10 CNC milled performance fin with a thinner tip rounds up our upgrades for 2015.



The 151 and 161 models include a centre fin-box – perfect for fitting an extra centre fin that allows beginners to stay upwind.



2 Carry handle in the centre makes **1** New, extra-thin profiles for control, carrying the board under-arm easily maneuverability and a sharp, exciting ride STARAD 9 New longer cut-aways 8 for reduced drag 8 New CNC G10 fins 5 Footstrap positions for every level of advanced 6 Wide outline for low speed stability and more power with larger fins and larger sails if required

**7** Carry handle in the underside of the nose makes carrying the board by 2 people more convenient.

**3 Full soft EVA deck:** comfortable for your feet, knees and elbows. You get lots of grip without the cuts or rashes. The EVA deck is raised high above the edges of the board to allow the water to flow freely around the board and carve jibe smoothly without interruption.



4 New softer rail shapes in this section with narrower tails helps to make initiating carve jibes more easy

sailing: beginner, inter- mediates and



GO WINDSUFER TUFSKIN AST



The GO and AtomIQ Windsurfers take the GO and Atom and add a daggerboard to make them extra-versatile, from lightwind conditions to windy planing conditions.

The AtomIQ Windsurfer: starting with the AtomIQ 160 shape that has added length and volume, we have a modern freeride shape with an amazing jibing ability for its size. It's quick and easy to plane, with a wide wind range and a fast, fun ride. Fit its supplied fully-retractable daggerboard and it transforms to offer glide in light winds, stay upwind, help its rider progress and share windsurfing amongst new beginners.

The GO Windsurfer is one size bigger at 171 litres, with more stability and more volume giving it more emphasis on progressing riders and beginners. Based on the GO 171 shape, it's longer and narrower than the AtomIQ Windsurfer: a more 'classic' design. Like the AtomIQ windsurfer, removing or fitting in the daggerboard allows the rider to go sailing in light winds or high winds.

That's the Windsurfer concept.

**Clipperbox daggerboard:** clicks and out without tools. Use the daggerboard to stay upwind and reduce drift in light wind conditions. Remove the daggerboard for more speed and more control in high winds (planing conditions).

61 🏦





1 The Start's tail design is wider than any other entry-level board. This allows the Start to get planing

earlier, at lower speeds and with less power

**N** L: 28' L: 94 TUFSKIN EVa

The Starts are Starboard's super-stable beginner boards. Feature-packed with smart ideas and offering the widest shape in the entry-level segment, the Starts make learning to windsurf and planing in the straps easier than ever.

The original ultra-wide Start from 1999 was the board that changed windsurfing from a difficult sport to learn into a sport that you could learn in just 60 minutes.

Since the original design, many new features have been added to make the Start the most technologically advanced entry-level board.



2 Nose and centre carry handles for convenience

**3** Integrated nose protector to protect the board against nose impacts from the mast

### **4** EXTRA LONG FOR EXTRA GLIDE

The Start M and L are 285cm long to to give these ultra-stable boards extra glide and longitdunial traction in lightwinds.

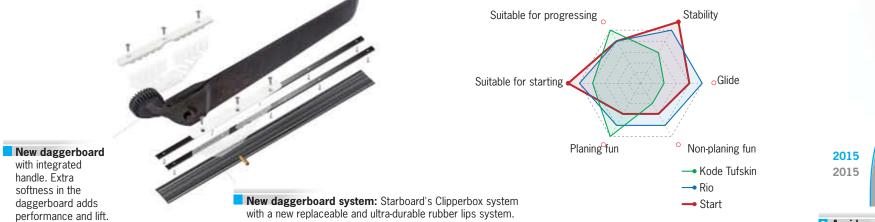
With the longer length, the rockerline of the board can be flattened, which also allows the board to transition very gradually into planing mode – smoothly and easily, without the need to overcome a power surge

5 Multiple insert positions offer tuning options for entry level/ intermediate/advanced riders

system, easily removed and with easily replaceable rubber lips



Learning, progressing and planing for the first time: the Rios are Starboard's all-round entry level boards, equally good at providing stability for beginners, followed by glide and power for progressing windsurfers to get planing smoothly. The new 2015 models: our best and most advanced entry-level board in the World.



7 With thinner bat wings, drag is reduced and glide improved.

6 A wider nose with a lower rocker line further improves glide and also drastically increases stability.

3 New Rio S is longer for added glide and longitudinal traction.

67 🏚

4 With boxier rails, stability is further improved and the flat deck area deck around the mast track is larger.

5 Available in standard-weight Tufskin EVA or the heavier, tougher Armour Tech construction. Available for school and clubs, the Armour Tech's double thickness, double layered construction makes the board extra durable. The deck, bottom and rails of the board are reinforced with a thin ASA plastic skin for extra impact and scratch resistance. A non-EVA covered version is also available on order.



### 30% MORE GLIDE 30% MORE STABLE

Long Tail Concept: by adding waterline length to the board behind the fin and the back footstrap, the board gets planing more easily, more smoothly and requires less technique to get planing.

With its extra length, it also glides 30% better and with improved longitudinal traction.

In full planing mode, because the length is not added to the nose, the board doesn't feel longer or harder to control: the length is in the tail, behind the back foot, where it doesn't affect the feel as much.

Because the distance from the mast track to the tail fin remains the same, the board is just as easy to tack, jibe and rig-steer.

**Contour Deck** 

Easy and comfortable to get into the footstraps that are close to the board's centreline

**1** A wider nose with a lower rocker line further improves glide and also drastically increases stability.

Resistance Long Tai SHAL Speed SS VLWE 2. F JENE Above: the theory behind Tiesda You's long tail concept: eliminate the "Hump Region" to reach planing mode easier **Right**: the Long Tail in action, preventing the board from tail sinking as the board accelerates on to the plane. See how the board stays nice and flat. MORALS.CO.UK



8 With thinner bat wings, drag is reduced and glide improved by allowing the water to flow over the wings at lower speeds. As the board accelerates to planing speeds, the tail rises and the water only flows under the wings.



L: 333 TUFSKIN AST ш: өл TUESKIN ARMOURTECH

The next step in windsurfing shape evolution. The Rio Long Tail joins the Rio family of all-round entry level boards. It is based on the new 2015 Rio L with an added 30cm behind the fin: you get the same rock-solid stability, glide and ease of use as the Rio L plus a magical new sensation: glide from standstill to full planing with no resistance or any learning curve to overcome.

2 New one-piece daggerboard. Extra softness in the daggerboard's flex adds

performance and lift.

**3 New daggerboard system:** Starboard's Clipperbox system with a new replaceable and ultra-durable rubber lips system.







The WindSUP Freeride 12'2" is a special model that is available in ASAP, Electric WindSUP and Electric SUP as described above, plus an extra option: Electric 'Planing'. This special model doesn't have a retractable daggerboard like other Electric WindSUPs, it has a centre fin like the ASAP model. Their fin set up, unique to these two WindSUP Freerides, uses what we call the Long Tail concept to offer an extremely nice glide that accelerates smoothly to planing speeds without the skilled technique, the cumbersome adjustable sliding mast tracks or the heavy daggerboard systems normally required by traditional designs. Our two most recommended models.

## The perfect summer board. Paddle when the wind is light and windsurf when the wind picks up.

Available in three technology options: Electric SUP, Electric WindSUP and ASAP. Both Electric models are built in Starboard's durableTufskin AST technology, with a beautiful three-colour painted and polished rail finish.

The Electric WindSUP models are fitted with retractable daggerboards that can also be completely removed with a click. We recommend the daggerboard to be extracted for windsurfing in light winds, to help the board track upwind and prevent drifting. The daggerboard should be fully retracted in stronger winds where an extracted daggerboard would otherwise make the board difficult to control. The daggerboard should be fully removed for paddle use, to save weight.

The Electric SUP models do not have a retractable daggerboard but have small side-biter fins instead. These small side-biter fins are less good at preventing drift but they are much lighter and more discreet. This makes them more suitable for mostly paddleboarding with occasional windsurfing.

The ASAP models are built in Starboard's ultra-strong ASAP construction, with a thermo-EVA rail finish for user friendliness and added durability. The ASAP models are fitted with a fixed centre fin instead of a retractable daggerboard: they keep the weight low and make the boards more efficient for paddleboarding and light wind windsurfing. In stronger winds, the user must return to the beach to remove the centre-fin manually.

	Electric SUP	Electric WindSUP	ASAP	
9'0" x 30" Converse	x		х	For kids
10' x 34" Whopper	x	x	х	The stable all-rounder
11'2" x 30" Blend	x	x	х	The all-rounder with extra glide
12' x 33" Atlas	x		х	The most stable model
12' x 36" Summerboard	x	x	x	The easiest learner jumbo model
12'2" x 30" Freeride	x			The most fun, fastest gliding model
12'2" x 30" Freeride (planing)		x	x	The most fun, fastest gliding model
12'2" x 30" Freeride (daggerboard)		x		The most fun, fastest gliding model





## 172 LIGHTEST, STRONGEST, MOST COMPACT

Starboard invents the World's first inflatable windsurf boards with drop-stitch technology: extra stiff for added gliding performance, while soft, safe and comfortable under your feet. Literally and technically the lightest, strongest and most compact windsurf boards in the world.

Deluxe Technology: our premium offering with 6" thick drop stitch and a 20cm wide centre stringer for maximum stiffness. The rails are double-layered for extra durability and a torsion band runs along the perimeter of the board for shape control and further stiffness.

Starboard's Deluxe Inflatable WindSUP boards are the only inflatable boards in the World to offer a retractable daggerboard for a true windsurfing experience. This combination of weight, durability, glide, maneuverability, comfort and safety have made them a favourite choice with windsurfing schools the world over.

Zen Technology: our more value orientated model fitted with a centre fin option instead of the daggerboard. This reduces the weight, the clutter and the assembly time. Our recommended option for users who paddle as often as they windsurf.

### Inflatable Deluxe Inflatable Zen

9'0 x 30 Converse		x	For Kids
10x35 Whopper	x	x	The maneuverable, compact all-rounder
11'2 x 32 Blend	x	x	The all-rounder with extra glide
11'2 x 40 Tender	x	x	The most stable model
11'6 x 30 Touring	x	x	The fast all-rounder
12 x 33 Atlas	x	x	The all-rounder with extra stability
12'6 x 31 Touring	x	x	The fastest, most efficient model



Zen models have a centre fin with US Box



Deluxe models have a fully retractable daggerboard

1 New ABS air valve connects precisely to the hose and has a user friendly deflation/inflation switch.

ZEN

8 Tail handlethe

sideways.

neoprene handle has

7 Double towing eyes:

one under the nose

and one in the tail

a dual purpose - for

carrying and for attaching the paddle



6 The short Starboard Astro US box helps to roll up the board as tight as possible.

57355

With Starboard's Waterman packages, windsurfing goes back to the future with an extra kicker: enjoy the fitness, the serenity and the pleasures of paddleboarding, on flat water lakes or open oceans. Starboard's Windsurfing and SUP team together have carefully selected for you their favourite gear and bundled them together into an unbeatable packaged offer.

### Waterman Package



### inflatable Waterman Package

WindSUP Compact 5.5: the 4 piece mast and 3 piece boom allows the sail to pack into a compact bag.



WindSUP Inflatable 11'6x30" Touring: the all-round inflatable WindSUP with a fast efficient glide, whether windsurfing or paddleboarding.

The board's bag includes roller wheels



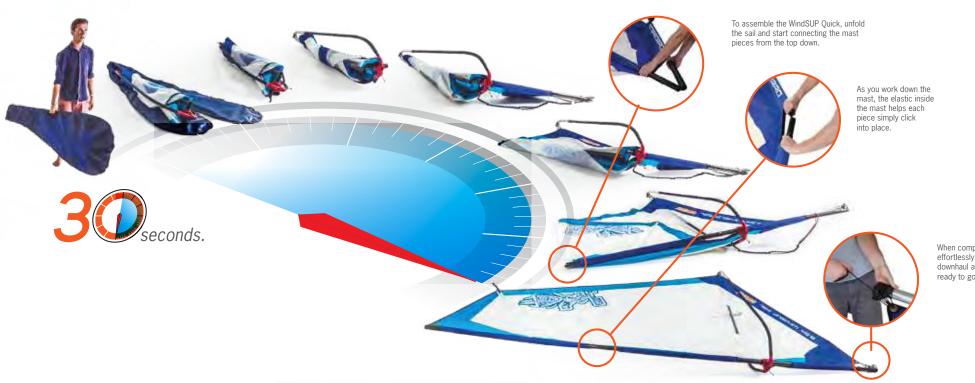






The WindSUP Quick Sail Package assembles in 30 seconds.

The technology behind this sail is a SDM 4-piece folding mast connected by an internal elastic. The mast stays ready for assembly, with the boom, mast base and extension are permanently attached: simply unfold the mast, click them together and downhaul.



The WindSUP Sail Packages are designed to power SUP boards fitted with mast tracks and lightwind windsurfing boards. Starboard offers three options: the Quick, the *Compact* and the *Classic*.

₫76



The WindSUP Compact Sail Package is the ultra compact model. It is light, easy to assemble and the easies to transport or store.

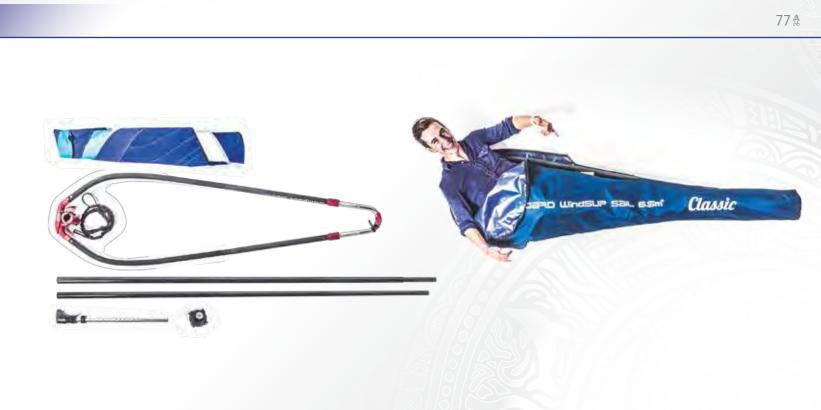
SLE



Fail Packages

The WindSUP Classic Sail Package is the original light wind windsurfing rig. It is powerful and easy to assemble. With its reduced diamter mast, it is lighter and feels smoother on the water.





When complete, effortlessly pull on the downhaul and you are ready to go.



To minimize the size, the sail package uses a 4-piece RDM mast and a 3-piece boom.



## "You have to try the Gemini at least once in your lifetime".

The experience of windsurfing in tandem, to share the thrill of planing with a new windsurfer or to see how fast you can go partnered with another advanced windsurfer, is unique. With the Gemini Mk II, it's never been easier or felt more natural. A classic and an original Jim Drake design.

Forward Daggerboard position: The daggerboard is operated by the front rider. It is positioned far forward in the board, improving the leverage the daggerboard has to track you upwind.

STE

 Deck Contour Design: enjoy the perfect grip under your feet and feel right at home. The Gemini's deck shape is designed to feel and ride just as if you were riding your solo freeride board.



3 Extra long shape Benefit 1: allows the rocker to be stretched out for an ultra long flat profile. The Gemini Mk II gets planing easily, earlier and with less effort.

Benefit 2: there is more space between the sails. You can tack and jibe more easily without the two sails interfering with each other.

5		VOLUME	СКР LENGTH 215		VE         WEIGHT Ref         WEIGHT Ref           TAIL WIDTH         FIN         FINBOX         SAIL RANGE         CARBON         WOOD           43.2         2 x MB Twinzer 15.5 + MB Twinzer 12         US 8" + 2 x Slot Box 10         5.0-6.0         6.2         6.4
		רסו	219 <i>LENGTH</i> 220 223 227 229 230 231 231	65	45.1       2 x MB Twinzer 17 + MB Twinzer 13       US 8" + 2 x Slot Box 10       5.0-6.7       6.8       7.0         FAIL WIDTH       FIN
	V	VOLUME 73 80 85 92 101 110 110 110	LENGTH 221 224 225 226 227 228 240	WID77H 55 57 58 59 59 59 62 64	TAIL         MIDIATION         FINE         FINE         MEDIATION
		VOLUME BI SI IDI III	<b>LENGTH</b> 227 230 227 235		TAIL WIDTH         FIN         FINBOX         FIN RANGE         SAIL RANGE         CARBON           37.5         Drake 16 Ready to FreeStyle         Slot Box 10         15-18         2.55.5         5.5           39.7         Drake 17 Ready to FreeStyle         Slot Box 10         16-18         4.56.0         5.9           41.2         Drake 18 Ready to FreeStyle         Slot Box 10         17-19         5.06.8         6.2           42.2         Choco Starfish New Radical 22         Slot Box 13         20-23         5.2-7.0         6.5
Ŷ		КОС VOLUME 57 72 73 82 87 92	LENGTH 221 220 224 230 230 234	<i>WIDTH</i> 53.5 56.0 58.0 58.5 60.5 62.0	TALL WIDTH         FIN         FIN PARAGE         SALL RANGE         CARBON         WEDNT AND         WEDN
	Ű	KOL VOLUME BI BS SH IDB	<i>LENGTH</i> 230 232 234 234 234	<i>WIDTH</i> 57.7 59.0 61.0 64.5	TAIL         MIDITY         FIN         FINEDX         FIN RANGE         SAIL         RANGE         CARBON         WEIGHT Ret         MEIGHT Ret
		isor Volume 53 54 72 82	<i>LENGTH</i> 225 230 230 231		TALL         VIDOTH         FIN         FINBOX         FINBOX         FINBOX         FINBOX         CARBON           25.6         Without Fin         Tuttle         18-24         5.1-6.2         4.5           29         Without Fin         Tuttle         22-28         5.6-7.0         4.7           33.7         Without Fin         Tuttle         26-32         6.2-7.8         4.9           36.1         Without Fin         Tuttle         28-34         5.6-8.6         5.4
		VOLUME BO BO SO SO ICO ICO ICO ICO ICO SIGIOMORI SIGIOMORI	ILEVETH           232           234           231           231           230           228           228           230		TAIL         WIDOTTH         FIN         FINBOX         FIN PANGE         SAIL RANGE         CARBON         WOOD         AST           37.0         Without Fin         Tuttle         28:34         5.2-7.0         5.3         5.9         -           38.1         Without Fin         Tuttle         30:36         5.2-7.0         5.5         6.1         -           39.5         Without Fin         Tuttle         32:38         5.6-7.8         5.6         6.3         -           43.8         Without Fin         Tuttle         34:40         5.6-8.2         5.7         6.6         -           47.6         Without Fin         Deep Tuttle         38:46         7.09.2         6.4         -         -           50.7         Without Fin         Deep Tuttle         38:46         7.89.5         6.8         7.4         -           54.4         Without Fin         Deep Tuttle         38:46         7.89.5         6.8         7.4         -           50.7         Drake R2R 38+42         Deep Tuttle         38:46         6.58.5         -         7.9
U		VOLUME	LENGTH 241		SLALOM TALI WIDTH FIN FINBOX FIN RANGE SAII RANGE CARBON WOOD 66.Drake Race 58 Ready to Rabeep Tuttle 54-62 7.8-12.0 8.1 8.8
•		<b>VOLUME</b> 217 263 298	<i>בררב)</i> נוער ביי ביי ביי ביי ב		FIN       FUNEOX
	ופז חופ	<i>VOLUME</i> 167	LENGTH 228 228		NG TAIL WIDTH FIN FINED FOR ANGE SAIL RANGE CARBON TUFSKIN AST 84.3 Without Fin Deep Tuttle 60-70 8.5-12.5 9.0 - 84.3 Drake Race 70 Ready to Race Deep Tuttle 60-70 6.5-11.0 - 10.9

		Control         Preservice           VOLUME         LENGTH         WZDTH           LCC         235         68.5           LCC         235         74.5           LCC         235         80.5           LCC         235         80.5           LCC         235         89           LCC         235         89           LCC         257         89	FAIL         WIDTH         FIV           43.8         Drake Freeride Gilde 36         36           47.8         Drake Freeride Gilde 38         51.2           51.2         Drake Freeride Gilde 40         50.7           50.7         Drake Freeride Power 44         52.7           52.5         Drake Freeride Power 48	FINBOX         FIN RANGE         SAII         RAN           Power         30-38         5.0-8.0           Power         34-42         5.5-8.5           Power         34-44         6.0-9.0           Tuttle         40-48         6.5-9.5           Tuttle         40-48         5.5-0.10.0           2 x Tuttle         44-52         5.0-10.0           He + Clipperbox         44-52         5.0-10.0	7.3         8.4           7.5         8.8           7.7         9.0           7.9         9.5           8.2         10.0           9.0         10.4	
e webstrae W WOOD 6.4 6.5 6.7 6.8 7.0 7.2 7.3			LD     FILN     FILN       40.6     Drake Venom 36     Tuttle       42.7     Drake Venom 38     Tuttle       45.9     Drake Venom 42     Tuttle       50.3     Drake Venom 48     Tuttle       49.7     Drake Venom 48     Tuttle       49.7     Drake Venom 50     Tuttle       52.2     Drake Venom 52     Deep Tuttl       54.5     Drake Venom 54     Deep Tuttle	FIN RANGE         SAIL RANGE         CANEDO           28-38         4.0-7.0         6.3           30-40         4.5-7.5         6.5           34-44         5.0-8.0         6.8           36-46         5.5-9.0         7.0           40-50         6.0-9.5         7.5           42-52         6.5-10.0         8.1           e         44.54         7.0-10.5         8.5	e) WEIGHT (kg)	
		VOLUME         LENGTH         WZDTH         Tr           II         246         66.5         66.5           IE         252         72.5           III         252         75.5           III         251         79.5           III         251         81.0           III         254         85.0	AIZ         VIX           42.6         Drake Freeride Power 38           47.0         Drake Freeride Power 42           48.7         Drake Freeride Power 46           49.9         Drake Freeride Power 48           51.5         Drake Freeride Power 50           52.0         Drake Freeride Power 50	FINBOX         FIN RANGE         SAIL         RANGE         CC           Tuttle         34:40         5.0-7.5         5           Tuttle         36:42         5.0-8.0         5           Tuttle         38:46         5.5-9.0         5           Tuttle         40:48         6.0-9.5         5           Tuttle         40:48         6.0-9.5         5           Tuttle         46:54         6.5-10         5           Tuttle         46:54         7.0-10         5	HEDRIT Rue         HEDRIT Rue         HEDRIT Rue         HEDRIT Rue         HEDRIT Rue         HEDRIT Rue         HEDRIT           CARBON         WOOD         TECHNORA         TUFSKII           7.1         7.6         TBC         9.           7.8         8.3         TBC         9.           8.1         8.7         TBC         9.           8.7         8.9         TBC         10           9.0         9.3         TBC         10	W AST 8 1 5 8 8 .0
	0.0	252         72.5           252         75.5           11         251         79.5	Z         WZD77+         FZN           47.0         Drake Freeride Power         7           48.7         Drake Freeride Power         7           9.9         Drake Freeride Power         50           51.5         Drake Freeride Power         50           52.0         Drake Freeride Power         50           54.8         Drake Freeride Power         52 + Dag	44         Tuttle         38-46           46         Tuttle         40-48           + Plug         2 x Tuttle         42-50           + Plug         2 x Tuttle         46-54	BALL PANCE         TUFSKIV AST           5.0-8.0         9.8           5.5-9.0         10.4           6.0-9.5         10.6           6.5-10         11.1           7.0-10         13.2	
		VOLUME         LENGTH         WIDTH         TAIL           IIII         236         67.5         1           IIII         235         71.5         1	NDDTH       FZIV         44.1       Drake Freeride Glide 38 + Drake         6.3       Drake Freeride Glide 40 + Drake         47.3       Drake Freeride Glide 42 + Drake	Shallow 310 2 x Tuttle 26-40 Shallow 310 2 x Tuttle 28-42	<i>KAIL RANGE TUFSKIN AST</i> 2.0-8.5 8.8 2.0-9.0 9.2 2.0-9.5 10.1	
MERCHT REC FCHNORA TBC TBC TBC TBC TBC	RIO S RIO M RIO LONGTA	IBT       276       78.0         IBZ       290       81.0         ZBI       302       86.0	ALL WIDTH         FIN           49.2         Drake Shallow 410 + Dagge           52.4         Drake Shallow 410 + Dagge           61.1         Drake Shallow 410 + Dagge           60.8         Drake Shallow 410 + Dagge	rboard 570 Tuttle 3 Holes + Algaier rboard 570 Tuttle 3 Holes + Algaier rboard 570 Tuttle 3 Holes + Algaier	HELENT RAY         HELENT RAY           EDV RANGE         SALL RANGE         TUFSKLIV AST           31.41         2.9.5         12.6           31.41         2.9.5         13.2           31.41         2.9.5         14.8           31.41         2.9.5         14.8           31.41         2.9.5         14.8	мелонг леу АRMOUR ТЕСН 15.5 17.2 17.8 19.0
	START M START L	<b>START</b> ENTRY LE VOLUME LENGTH WIDTH 238 284 94.5 246 285 100.5	<b>TALL WIDTH</b> 74.3 Drake Shallow 410 + Dagg 81.1 Drake Shallow 410 + Dagg	erboard 620 Tuttle 3 Holes + Algaier	WEIGHT RU EIN RANGE SAIL RANGE TUFSKIN AS 31-70 2-9.5 15.6 31-70 2-9.5 15.8	
		VOLUME LENGTH WIDTH TA BEY 399 100.5 PROKIDS KESS VOLUME LENGTH WIDTH TAL	ALZ         WZD7FH         FZV           87.2         Drake Race 70 Ready to Race +	Daggerboard Allgaier 620 Deep Tuttle	UN RANGE SAIL RANGE TUFSKIN AST 40-70 3.5-11 27.3 weitert Ref weitert Ref weitert Ref ALL RANGE TECHNORA® TUFSKIN AS	
	PROKIDS FLARE 81 FORMULA EXPERIENCE PROKIDS PROKIDS GO 99	at         227         57.5           understand         216         92.5           as         216         76.3		ace Deep Tuttle 54-66	2.5-5.5 5.7 - 5.5-8.5 - 9.1 2.0-7.5 - 8.5	RANGE WEIGHT (kg)
	WINDSUP 10'0'X34" ELECTRIC W WINDSUP 112'X30" ELECTRIC B WINDSUP 12'X30" ELECTRIC S WINDSUP 122'X30" ELECTRIC B WINDSUP 122'X30" ELECTRIC B	END         185         345           JIMMERBOARD         267         363           REERIDE (PLANING)         238         373	77.5         40.0         Starboard Hexce         93.0         42.6         1           75.0         39.0         Starb         5         3         5	17 + 2 x Starboard Hexcel M4.7 + Daggerboa 22 + 2 x Starboard Hexcel M4.5 + Daggerboa Drake Shallow 22 + Daggerboard 57 and Hexcel Dol-fin 22 + Drake Shallow 41 oard Hexcel Dol-fin 22 + Daggerboard 57 <i>FZN</i>	ard 57 US 10" + 2 x SurFinZ + Clipperbox 4.0 US 10" + Clipperbox 4.5 US 10" + Tuttle Box 3.5	0.7.0         13.2           5.7.5         16.4           5.8.5         14.3           5.8.5         15.1
	WINDSUP 90°X30° AS/ WINDSUP 100°X34° AS/ WINDSUP 12°X30° AS/ WINDSUP 12°X30° AS/ WINDSUP 12°X30° AS/	NP CONVERSE         137         277           AP whopper         191         306           VP BLIND         185         345           AP artus         205         370           AP FREERIDE (PLANING)         238         373	77.5         46.2           85.5         46.5           77.5         40.0         SUP 8" + 2           82.0         42.6         SI           75.0         39.0         Starboar	SUP 6° 3/4 + 4 x M4.5 Black SUP 6° 3/4 + 4 x M4.5 Black x M4.5 Black + Drake Shallow 41 + Plug H 8° + Drake Shallow 41 + Plug d Dol-fin 22 + Drake Shallow 41 + Plug	US 8' + 4 x SurFinZ 4.76.0 S 10' + 2 x SurFinZ + Deep Tuttle 4.0-7.0 S 10' + 2 x SurFinZ + Deep Tuttle 4.5-7.5 US 10' + Deep Tuttle 4.5-7.5 US 10' + Deep Tuttle 4.5-7.5	10.0 11.1 11.5 14.0 14.1
	WINDSUP 9'0'X30' INF WINDSUP 10'X35' IN WINDSUP 112'X32' INF WINDSUP 112'X32' INF WINDSUP 112'X32' INF WINDSUP 12'6'X31' INF	FLATABLE ZEN WHOPPER     300       LATABLE ZEN BLIND     TBK       LATABLE ZEN TENDER     405       LATABLE ZEN TOURING     TBK       "LATABLE ZEN NATLAS     TBK	274         76.0         TBC           314         87.0         43.9           TBC         TBC         TBC           341         99.0         73.1           356         81.0         46.0           TBC         TBC         TBC	FZW         FZMS           2 x Drake Shallow 22         2 x Astro           2 x Drake Shallow 22         2 x Astro	US Box 2.5-7.0 TBC US Box 2.5-7.0 TBC US Box 3.0-7.0 TBC US Box 3.5-7.5 TBC 0. 3.5-7.5 TBC 0. 3.5-7.5 TBC	/
recommended indications.	WINDSUP 10'0'X35' INFLA WINDSUP 112'X32' INFLA WINDSUP 112'X40' INFLA WINDSUP 112'X40' INFLA WINDSUP 12'6'X31' INFLA	FABLE DELUXE BLEND     330       FABLE DELUXE TENDER     405       FABLE DELUXE TOURING     302       TABLE DELUXE ATLAS     TBC	314         87         43.9           TBC         TBC         TBC           405         99.0         73.1           TBC         81.0         46.0           TBC         TBC         TBC	Drake Shallow 22 + Daggerboard 57 Drake Shallow 22 + Daggerboard 57 TBC Drake Shallow 22 + Daggerboard 57	FINBOX         SAIL RANGE           Astro US Box + Clipperbox         2.5-7.0           Astro US Box + Clipperbox         3.0-7.0           Astro US Box + Clipperbox         3.5-7.5           TBC         3.5-7.5           Astro US Box + Clipperbox         4.5-7.5           Astro US Box + Clipperbox         4.5-7.5	WEIGHT (kg) TBC TBC TBC TBC TBC TBC TBC



level What's of sailing do you do? What's your weight

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