



**iSonic Wood**

**iSONIC**  
**SLALOM**

#### MAXIMUM EFFICIENCY

**At the start of the 2009 development cycle, Dream Team riders Kevin Pritchard, Julien Quantel and reigning double World Champion Antoine Albeau sat down with the R&D team to go through a full iSonic debrief. The boards are the most advanced slalom boards on the market. They win the tests, win the races and they are considered the benchmark for the industry. What to do next?**

The riders were clear: the iSonic already had the edge on the start line. With their wide tails, they had the power and upwind capacity to give the rider the edge to gain pole position off the line. For overtaking, the same power and upwind ability allowed them to capitalize on the board's speed advantage. As a rider like Antoine proved time and time again, the iSonic allow you to constantly position yourself in an overtaking position, either to leeward or to windward.

As for control, the trio were unanimous: the slim shapes and low nose rock-erlines provided impeccable control. The square nose effectively increases the boards' average length without physically making them longer, allowing for a lower nose rocker. A low nose rocker generates less aerodynamic drag, less lift in the gusts and provides a shallower angle of attack for the water as the board flies over chop. A key breakthrough in the development of the iSonic since they were first introduced, this low-nose rocker concept was the start of the maximum efficiency concept.

In the jibes, the iSonic already had the instant response and the fast exit speed with extra power to gain yet a few more meters. As German Surf magazine puts it: "the board offers all the requirements needed to win a race and with a great control. Not only that, but at the jibe mark the iSonic 122 can gain some meters too. It doesn't really matter how rough the conditions are, the board always finds itself into a stable position on the edge and carves into a self-adjusting turn. It can be pressed into narrow turns surprisingly well too, where it keeps a lot of speed to give an advantage coming out of the jibe and into the next reach".

**So by the end of the debrief, Kevin, Julien and Antoine's wish list was clear: simply some more speed. And so the R&D team got to work.**

The breakthrough came with the double winger concept. Last season, the iSonic introduced a hipped outline concept that made for a more efficient planing surface. And from that concept, the double winger idea was born

The theory behind the concept: where the water first touches the board, this is where lift is greatest. Where it leaves the board, this is where lift is minimal yet drag is still strong. So effectively, you want more width at the leading edge of the planing surface, less at the trailing edge of the planing surface. Based on this idea, the concepts of cutaways (Starboard innovation 1999), side cuts (Starboard innovation 2004) and tail wingers (Starboard innovation 2007) were already born. For 2009, Starboard introduces double wingers.

More width between your feet, less width in the tail and you have a more efficient planing surface. Kevin has a preference for conservative, smooth, even lines. He was the most skeptical when the first prototypes were made, but after weeks of testing in all conditions across all sizes and with various sails, the extra speed and acceleration the double winger concept created was undeniable.

The result: a new generation of 2009 iSonic – incorporating double wingers from the 86 size and up. More speed, quicker acceleration and more efficiency.

#### Further design evolutions

**Deck concaves and thinner noses** – with extra deep deck concaves and a slimmer nose, the board's centre of gravity is lowered and shifted back. This improves control and provides a more neutral, natural balance.

**Lighter** – with a new PVC grade on the bottom, the iSonic shave some weight while maintaining an all-wood construction that continues to provide superior dynamic shape stability over its carbon rivals.

**What is dynamic shape stability?** It is the board's ability to maintain its shape while sailing. Flying at high speeds over water, the board is subject to distortions in all directions: bending, twisting, compression. This distortion is greatest where you can't see while you're sailing: on the bottom of the board, in the area in front of the fin box. Shape distortions in that area reduce the efficiency of the planing surface. With full wood construction and its superior dynamic shape stability, the iSonic's construction is simply more efficient.

#### Summary:

- **New double winger concept – more efficient planing surface**
- **New deeper deck concaves and thinner nose – more control and a more neutral, natural balance**
- **Lighter construction with a full wood skin – superior dynamic shape stability**



# iSONIC SLALOM

Squared-off nose shape allows for a lower nose rocker: creates a lower aerodynamic and hydrodynamic angle of attack

Inboard and outboard insert settings adapt to various riding styles and feet size

iSonic 76, 86, 96: front foot and back foot are adjustable  
iSonic 101, 111, 122, 133, 144, 150: back foot only

Wider-tail designs for increased efficiency

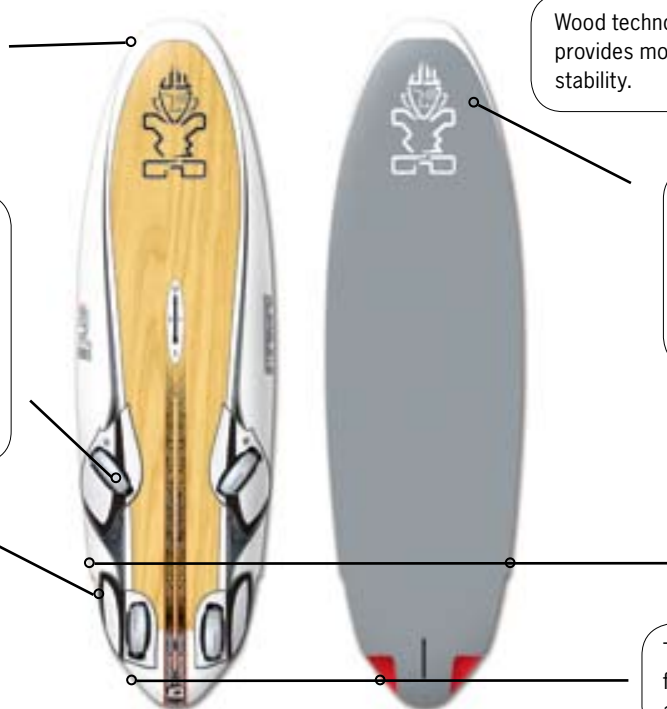
2 fins are supplied with the iSonic 101, 111 and 122 to maximize wind range

Wood technology construction provides more dynamic shape stability.

Thinner noses and deeper deck concaves lowers the boards' centre of gravity and shifts it backwards: sharper response, more control and a more natural, neutral balance

Double wingers increase width between your feet but reduces width behind: for a more efficient planing surface

Tail side cuts and wingers for improved water release and fin drive



## Technical specifications\*

| Product Code | Name            | Volume (litres) | Length (cm.) | Width (cm.) | Tail Width (cm.) | Weight (Wood) (kg.) | Sail Range (m <sup>2</sup> ) | Fin   | Fin Range (cm.) | Fin box     |
|--------------|-----------------|-----------------|--------------|-------------|------------------|---------------------|------------------------------|---|-----------------|-------------|
| STB09ISW76   | iSonic 76 Wood  | 76              | 242          | 55          | 37.4             |                     | 4.5-6.5                      | Drake Slalom Pro 320                        | 24-36           | Tuttle      |
| STB09ISW86   | iSonic 86 Wood  | 86              | 243          | 56.5        | 37.3             |                     | 5.0-7.0                      | Drake Slalom Pro 340                        | 26-38           | Tuttle      |
| STB09ISW94   | iSonic 94 Wood  | 94              | 244          | 59.0        | 40.5             |                     | 5.2-7.8                      | Drake Slalom Pro 340                        | 28-40           | Tuttle      |
| STB09ISW101  | iSonic 101 Wood | 101             | 233.5        | 63.5        | 45.4             |                     | 5.5-8.5                      | Drake Slalom Pro 360 + Drake Slalom Pro 420 | 30-44           | Tuttle      |
| STB09ISW111  | iSonic 111 Wood | 111             | 234          | 68.5        | 49.9             |                     | 5.8-9.0                      | Drake Slalom Pro 380 + Drake Slalom Pro 440 | 32-48           | Tuttle      |
| STB09ISW122  | iSonic 122 Wood | 122             | 231          | 75.0        | 52.8             |                     | 6.0-9.5                      | Drake Slalom Pro 400 + Drake Slalom Pro 460 | 34-50           | Deep Tuttle |
| STB09ISW133  | iSonic 133 Wood | 133             | 223          | 85.0        | 57.0             |                     | 6.5-10.5                     | Drake R13 Race NR 520                       | 40-56           | Deep Tuttle |
| STB09ISW144  | iSonic 144 Wood | 144             | 225          | 85.0        | 57.2             |                     | 7.0-11.0                     | Drake R13 Race NR 520                       | 40-56           | Deep Tuttle |
| STB09ISW150  | iSonic 150 Wood | 150             | 227.5        | 93.5        | 65.1             |                     | 7.5-11.5                     | Drake R13 Race NR 560                       | 52-62           | Deep Tuttle |

\*Wood weights are subject to +5% tolerance. These weights are estimate figures. Final weights are not available at time of print and will be updated on to the website. Sail range and fin range are recommended indications.

**The most suitable sail types are** pure slalom sails and freerace sails

Compared to the Futura range, the iSonics are pure slalom boards designed to provide maximum speed. Being shorter and with straps positioned far outboard, they are more technical to ride and requires a higher skill level from the rider to coax the best out of them. The Futuras are more suitable for those looking for a freeride board that provides high performance in a more accessible, plug and play kind of way. Being freeride designs, the Futuras are more comfortable boards with better jibing abilities.