



ISONIC

MAXIMUM EFFICIENCY



DREAM TEAM
BJORN DUNKERBECK
2011 PWA SLALOM OVERALL CHAMPION



iSonic
Carbon

iSonic
Wood

iSonic Description

The iSonics are Starboard's slalom boards. They are fast racing machines designed for the highest top speeds, the highest average speeds, the quickest accelerations with powerful overtaking abilities throughout a wide wind range.

The range itself is designed around the PWA's three board format: the perfect quiver covering all conditions can be achieved by selecting one board most suitable from each of the iSonic's three size-categories:

The three smallest sizes are most narrow and shaped specifically for **high wind** conditions.

The three middle sizes are compact designs for maximum performance across a wide wind range, particularly **medium wind** strengths.

The three largest sizes are extra-wide designs emphasizing **light wind** performance.

Special note: The maximum width set by the PWA is subjective 85cm, which is a shame: slalom boards exceeding 85cm are much more efficient in lightwinds offering more performance, more speed, earlier planing and more fun. Because they are not race-legal (yet faster than a race-legal iSonic in lightwinds), we called our illegal 93cm wide iSonic the "UltraSonic". You can read more about this model in the UltraSonic section of this product guide.



iSonic's position in the range

The iSonics are the only slalom range in the Starboard range. They are the boards that have the quickest acceleration, the highest average speed and the second-highest top speed in our board range (the iSonics Speed Specials are ultimately the boards that achieve the highest top speeds).

Together with the UltraSonic, the Formula and the Phantom Race, they form Starboard's racing collection. The iSonics are designed for slalom racing, the Formula are for Formula racing and the Phantom Race is for raceboarding.

- Starboard's slalom boards.
- Super fast and super efficient boards
- They provide the highest average speeds, the quickest acceleration and fastest jibbing speeds

Futura

Top Speed	★★★★★
Average speed	★★★★★
Power	★★★★☆
Comfort	★★★★☆
User-friendliness	★★★★☆
Maneuverability	★★★★☆
Wind range	★★★★☆

iSonic

Top Speed	★★★★★
Average speed	★★★★★
Power	★★★★☆
Comfort	★★★★☆
User-friendliness	★★★☆☆
Maneuverability	★★★☆☆
Wind range	★★★★★

Ultrasonic

Top Speed	★★★★★
Average speed	★★★★★
Power	★★★★☆
Comfort	★★★★☆
User-friendliness	★★★★☆
Maneuverability	★★★☆☆
Wind range	★★★★★

iSonic Speed Specials

Top Speed	★★★★★
Average speed	★★★★★
Power	★★★★☆
Comfort	★★★★☆
User-friendliness	★★★☆☆
Maneuverability	★★★☆☆
Wind range	★★★★★



The Message

MAXIMUM EFFICIENCY

The iconic iSonics: our flagship slalom range incorporating every ounce of Starboard R&D technology, every gram of our team's design experience, and driven by the most successful racing team in windsurfing.

Ever since their inception, the iSonics focus on achieving not just the highest top speeds but also the highest average speeds, the quickest accelerations, the most effective overtaking power, the most powerful jibing performance, all this across the widest range of conditions.

This philosophy has created innovations such as the wide outline, the thin profile, the low-nose rocker, the wide-tail, the side-cuts, the deep deck-concave and more.

New for 2013: new proportions for the 110 and 90 models. New open-angle cut-away shapes with heel extensions for less drag, more top-end speed and quicker acceleration, without loss of control or stability.

Wide, compact outlines forms the basis for each iSonic design, except for the three smallest sizes that are classically narrow.

The nose of each board is relatively wide, allowing for a shorter nose and a lower rocker to be used. This shorter and lower nose reduces swing weight, reduces aerodynamic drag and improves the board's ability to skim over chop without losing speed.

The tail of the board, just under your back foot is also relatively wide. This increases the board's power, its overtaking potential, its jibing power, its wind range and the leverage the rider can apply over the board to keep it under control or add extra acceleration.

This wider tail also increases the width of the planing surface, which translates into a more efficient hull: less drag, more lift.

The profile of each iSonic is extra thin for maximum control and wind range. The deck also includes a scooped-out concave that has gradually increased in depth over the years.

The rails are shaped for power. The latest generation includes extra hard rail edges in the tail and thinner rails in the nose. These extra-hard rails increase the width of the planing surface adding more control, more power and more efficiency to the planing surface. They also generate more jibing power that translates into faster jibes with higher exit speeds in the hand of expert jibers.

There are two levels of mini-wingers: these help to release the water that travels along the leeward rail at high speeds. This water would otherwise stick to the rail, resulting in a board that isn't as sharp and quick as it could be.

The bottom design includes new cut-away designs: these reduce the length of the wetted surface area and increase its aspect ratio, therefore its efficiency at delivering lift with less drag. The 2013 cut-away shape has evolved to provide less drag than previous versions, to improve top end speed and provide quicker acceleration in the gusts.

What's New

Due to the early release of this product guide, Starboard is not releasing further details until the official website release on August 20th.

To help distributors and retailers in their order selection, please use 2012 sizes as a benchmark, but adjust to the 2013 sizes as indicated below:

2012 model	2013 model	Conditions
iSonic 80	iSonic 80	High wind
iSonic 87	iSonic 87	High wind
iSonic 90	iSonic 90	High wind
iSonic 97	iSonic 97	Medium wind
iSonic 107	iSonic 107	Medium wind
iSonic 117	iSonic 110	Medium wind
iSonic 117 Wide	iSonic 117	Light wind
iSonic 127	iSonic 127	Light wind
iSonic 137	iSonic 137	Light wind

Additional Information

The iSonics are available in two construction categories: Wood, for more control and comfort, and Carbon, for sharper acceleration, a stiffer feel and earlier planing.

No fins are supplied with the board



Key Features



Availability

Carbon, Wood

Technical Specifications*

Product Code	Name	Volume (litres)	Length (cm)	Width (cm)	Tail Width (cm)	Weight (Carbon) (kg)	Weight (Wood) (kg)	Sail Range (m ²)	Fin Range (cm)	Fin box
1010130301002 1010130101001	iSonic 80 Carbon iSonic 80 Wood	80	243	56.5	36.6	5.32	5.56	5.1-7.0	28-34	Tuttle
1010130301002 1010130101002	iSonic 87 Carbon iSonic 87 Wood	87	243	56.5	36.7	5.41	6.00	5.1-7.0	30-36	Tuttle
1010130301003 1010130101003	iSonic 90 Carbon iSonic 90 Wood	90	243	59.5	40	5.66	6.31	5.1-7.0	32-38	Tuttle
1010130301004 1010130101004	iSonic 97 Carbon iSonic 97 Wood	97	235	63.5	45.2	5.70	6.59	5.6-7.8	34-40	Tuttle
1010130301005 1010130101005	iSonic 107 Carbon iSonic 107 Wood	107	235	68.5	50.0	6.08	6.75	6.2-8.6	36-44	Deep Tuttle
1010130301006 1010130101006	iSonic 110 Carbon iSonic 110 Wood	110	227	75	49.6	6.37	7.14	6.2-8.6	38-46	Deep Tuttle
1010130301007 1010130101007	iSonic 117 Carbon iSonic 117 Wood	117	228	80.5	53.4	6.66	7.38	7.0-9.2	38-46	Deep Tuttle
1010130301008 1010130101008	iSonic 127 Carbon iSonic 127 Wood	127	228	85	57.9	7.12	7.6	7.8-9.6	44-52	Deep Tuttle
1010130301009 1010130101009	iSonic 137 Carbon iSonic 137 Wood	137	231	85	58	7.26	7.8	7.8-9.6	44-54	Deep Tuttle

*Wood and Carbon 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.
Remark: No fins are supplied with the board.



“THE MOST ADVANCED BOARD TECHNOLOGY”

The world's most advanced slalom board

“THE ICON”

The slalom board that re-invented slalom in 2002, and continues to dominate PWA slalom today