



SEVERNE 2009

Back when we started SEVERNE, a passion for making the best sails we could and our commitment to never compromise on performance were our driving forces. Today, we have added a lot more experience, industry-leading technology and refined style into this mix to produce our unique combination of engineering and art.

Our goal remains the same: maximize performance, reduce weight, increase durability.

Another 12 months of research and development has seen countless experiments that have added significantly to our knowledge database. The main lessons learnt this year revolved around the lowering of the batten positions in the top half of the sail. The most significant advantage was that the centre of gravity becomes lower, which has resulted in a lighter, more manoeuvrable feel. The spread of the battens has been compressed which has the added benefit of increasing the stability in the core power sections of the sail. All our '08 wave sails and freeride sails have benefited from this lowered centre of gravity and increased stability.

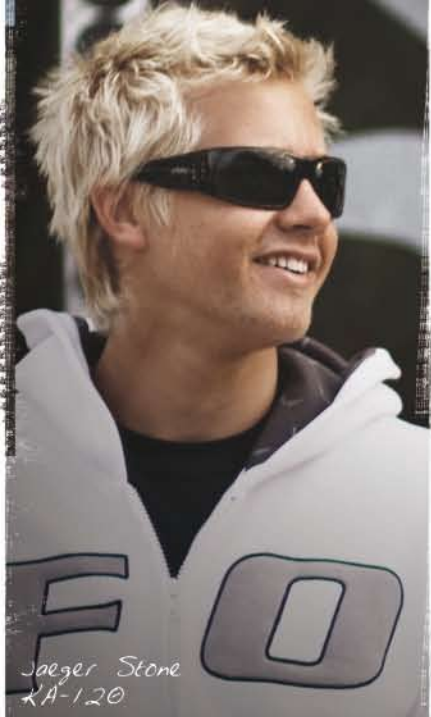
Proven manufacturing techniques have finished off the mix and allowed us to realise our passion of making the best sails: Sails that react quicker. Sails that feel lighter. Sails that simply work better.

BS



Photo: John Carter





Jaeger Stone
KA-120



Dieter Van der Eyken
B-35



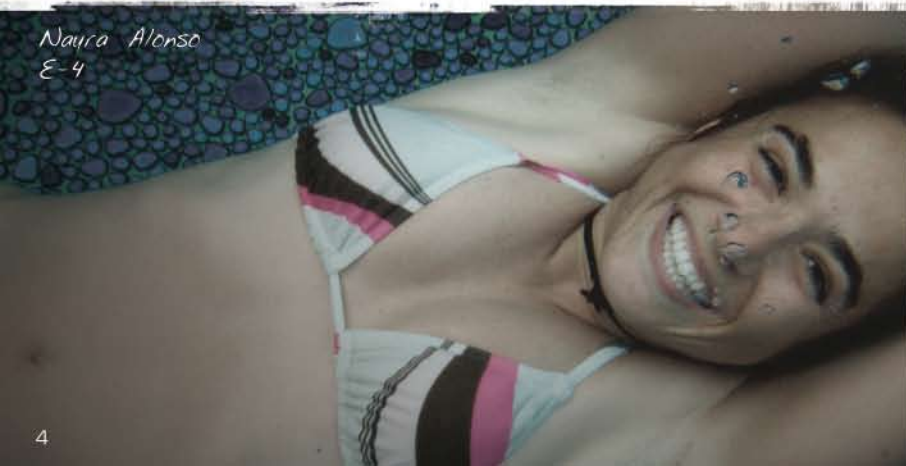
Peter Grynke
G-6



Hendrix Stone



Morane Demont
TRA-59



Naura Alonso
E-4



Finn Millent John Carter



Alex



Tina





Chris Pressler
AUT-226



Scott McKercher
KA-181



Paulo dos Reis
BRA-3333



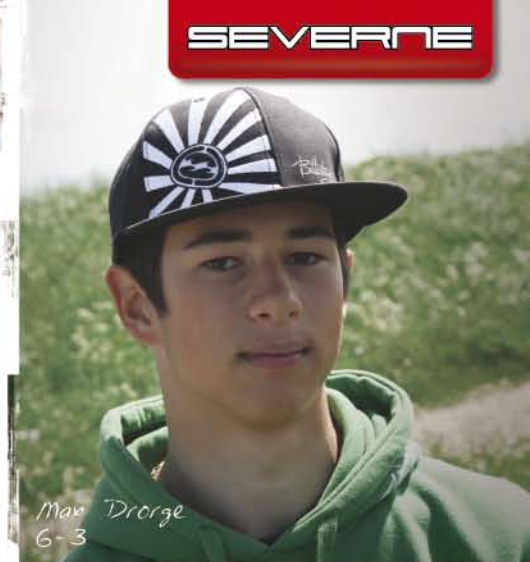
Timo Mullen
IR-69



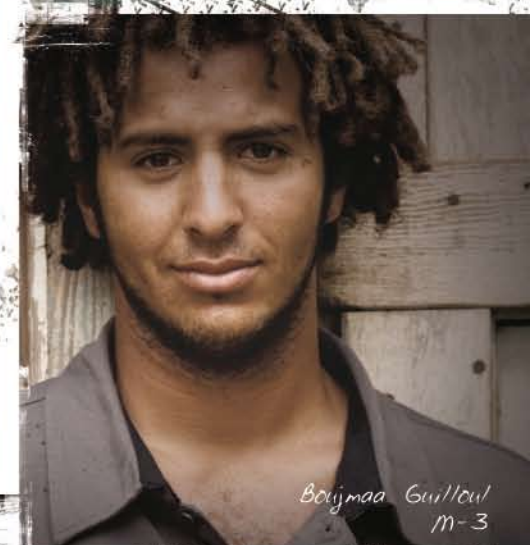
Ben Severne
KA-515



Jesper Orth
AUS-10



Max Drorge
6-3



Boijmaa Guilloul
M-3



Daniel Aeberli
SUI-96



Matthew Gwyneth



Rick Jendrush
NED-120



Nick van Ingen
IT-122

TECHNOLOGY

RIG ERGONOMICS : A unique focus for SEVERNE Sails is rig ergonomics. By analyzing the overall effect the sail's geometry has on the sailor, we are able to build sails that are more comfortable to use in a larger range of conditions.

Technically, this is achieved through analyzing the following points: Placement of the center of effort (COE) in the rig, rake angles, pitch, and sheeting angles. Once these elements are analyzed and adjusted, we can deliver the most comfortable stance possible for each design.

SEVERNE focus on developing a larger "sweet spot" or area of sailing trim where the rig performs more efficiently. This translates into rigs that are significantly more predictable and that allow the sailor to easily respond to changing wind and water conditions

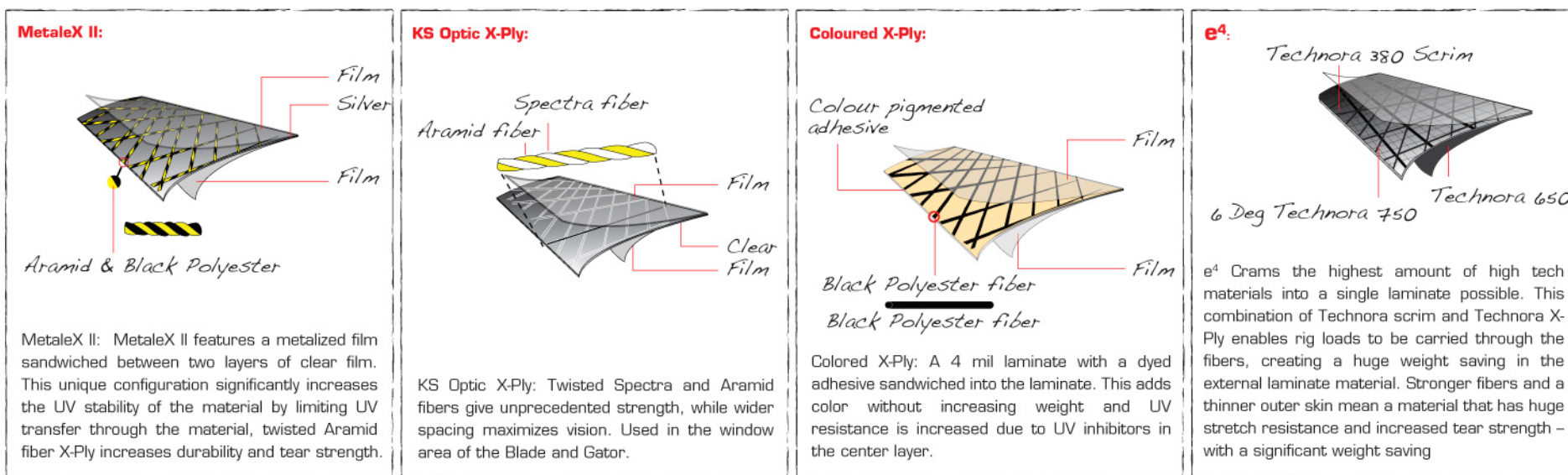
DESIGN PHILOSOPHY : SEVERNE Sails evolved from the belief that many sails sacrificed a great deal of feel in pursuit of perceived performance goals. Wind range is one thing, yet the total sail performance means so much more. SEVERNE has developed a much more responsive set of sails that retain their control over a wide spectrum of use. Dropping into a bottom turn or initiating a high speed gybe, power is instantaneous and smooth. Drive is locked low and forward in the sail, giving a predictable, balanced feel throughout its wind range. These are purist sails, designed with performance and handling capabilities that extend their ease of use.

SHAPING TECHNIQUES : At SEVERNE, we take a different approach to the design of all our sails. For a much more consistent foil shape when the mast is being loaded and unloaded in extreme conditions, we engineered the 3D position of each point on the entire foil to the sub-millimeter. We then fused the seams with a complex web of internal and external reinforcements for solid seam construction. This unique process translates into wider wind ranges and a more balanced, consistent feel at all times.

SPEED & RESPONSE : SEVERNE is the sports car of windsurfing sails. Superior handling, an active feel, and balance allow you to utilize the rig as your on-demand power source. We built these foils for performance, engineering them light so they respond immediately to wind, water, and rider input. An instant decision can be executed without the sail dynamics taking time to catch up. Traditionally a priority with racing sails, the idea of speed is critical in the design of our freeride sails. We have tuned each model for maximum speed, without losing focus on any of the important freeride factors.

DURABILITY THROUGH DESIGN : We demand the strongest sails, but we will not compromise on weight. Rather than use the traditional approach of just beefing up high load, high stress areas with heavy materials, we have concentrated on balancing the skin tensions by using high tech materials such as Aramid and Technora for reinforcing. Vulnerable stitching is protected with recessed grooving on wear parts and innovative, folded patch technique in the foot areas.

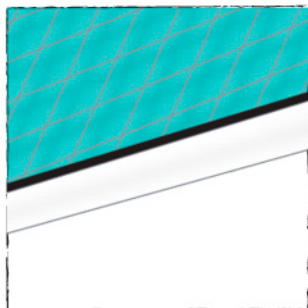
STYLING : In our quest to bring you the ultimate product, we bring balance, innovation and a progressive design ideology in our sails. Functionality is always balanced by refinement and attention to detail, from our biggest race sail to our smallest component.



PERFORMANCE ENHANCING MATERIALS



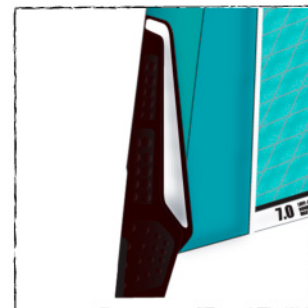
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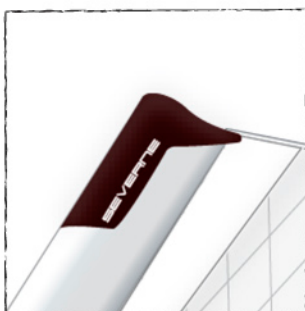
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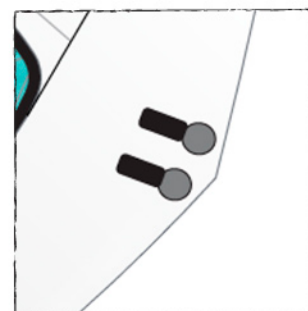
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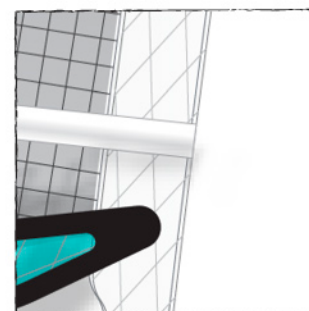
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8.



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10.

1. **ARC CLEW:** The Aramid Radial Clew disperse load from the clew along load aligned patches with internal Aramid reinforcing.
2. **SEAMLESS HEAD PANEL,** this high abrasion area does not carry any exposed seams, preventing and potential weak point in the area. **SEAMLESS HEAD PANEL.** This high load area is now seam-free. Any potential for seam creep, or seam-related failure has been eliminated.
3. **SLEEVE POP UP:** enables the mast to be inserted into the top of the boom cutout, without having to leave your comfortable seat at the foot of the sail.
4. **MOLDED TACK FAIRING:** protects your board from impact and neatly covers the foot detailing. Rope stash detail for easy storage of downhaul rope.
5. **MOLDED SOFT EDGE:** covers the hard edge along the bottom edge of the sail and protects the stitching from wear along the board non-skid.
6. **TPR HEAD REINFORCING:** protects the adjustment webbing and head assembly stitching from wear during rigging.

7. **ARAMID TORSION FRAME:** performs multiple roles for reduced rig weight, increased durability and long-term performance. The Aramid Fibers ensure a significant improvement over traditional fibers with regard to strength to weight ratio. This allows us to build the rig lighter and offer increased strength at the same time. The orientation of the Aramid fibers is optimized towards maximum loading and traditional weak spots in the sails.
8. **4 ROLLER TACK PULLEY:** diameter pulleys for lowest resistance when downhauling. Used on the sail models with the highest downhaul load.
9. **DUAL CLEW POSITIONS** allow the rider to fine tune the rig to his requirements. The higher eyelet assist the rider in hanging off the rig, which is favored by freestyle riders and many new school wave riders. The lower eyelet position favors shorter riders and allows you to drive more power through the board. In racing rigs, the dual eyelets facilitate different rider heights as well as allowing more control over the leech tension by changing position.
10. **SANDWICH BATTEN POCKETS:** Featured on the S-1 and CODE Red, these lightweight batten pockets are a combination of a low stretch polyester film with a durable mark cloth outer layer.

BLADE

REFINED POWER AND CONTROL

The ultimate blend of power and control, the Blade drives power down, powering the board through every turn with absolute precision.

This Severne icon has seen ongoing refinement and progression. Size by size, the power distribution along the span has been finely tuned to a consistent feel. The larger sizes have a lower power zone, with the twist biased towards a more open head section. The smaller sizes have progressively higher power zones with a very even twist pattern. This creates a more uniform feel between each size - a key component of our wave design ideology.

Durability is another key feature of this sail. The new full X-Ply construction features a bombproof Spectra foot panel, an upgraded KS Optic X-Ply window and the Aramid reinforced MetaleX II material.

Scott McKercher on the Blade:

"The same philosophy for the '09 Blade continues with the evolution towards more controlled power between the hands.

Although each sail fits into the "stable between the hands controlled" power brief, each size has had its own developmental lineage. The larger sails have become even more manageable without losing any of their bottom end "grunt". Planing power with slightly more power down low and increased release in the head. The end result being a lighter feel in the hands with easier sheeting, but without losing pumping planing ability.

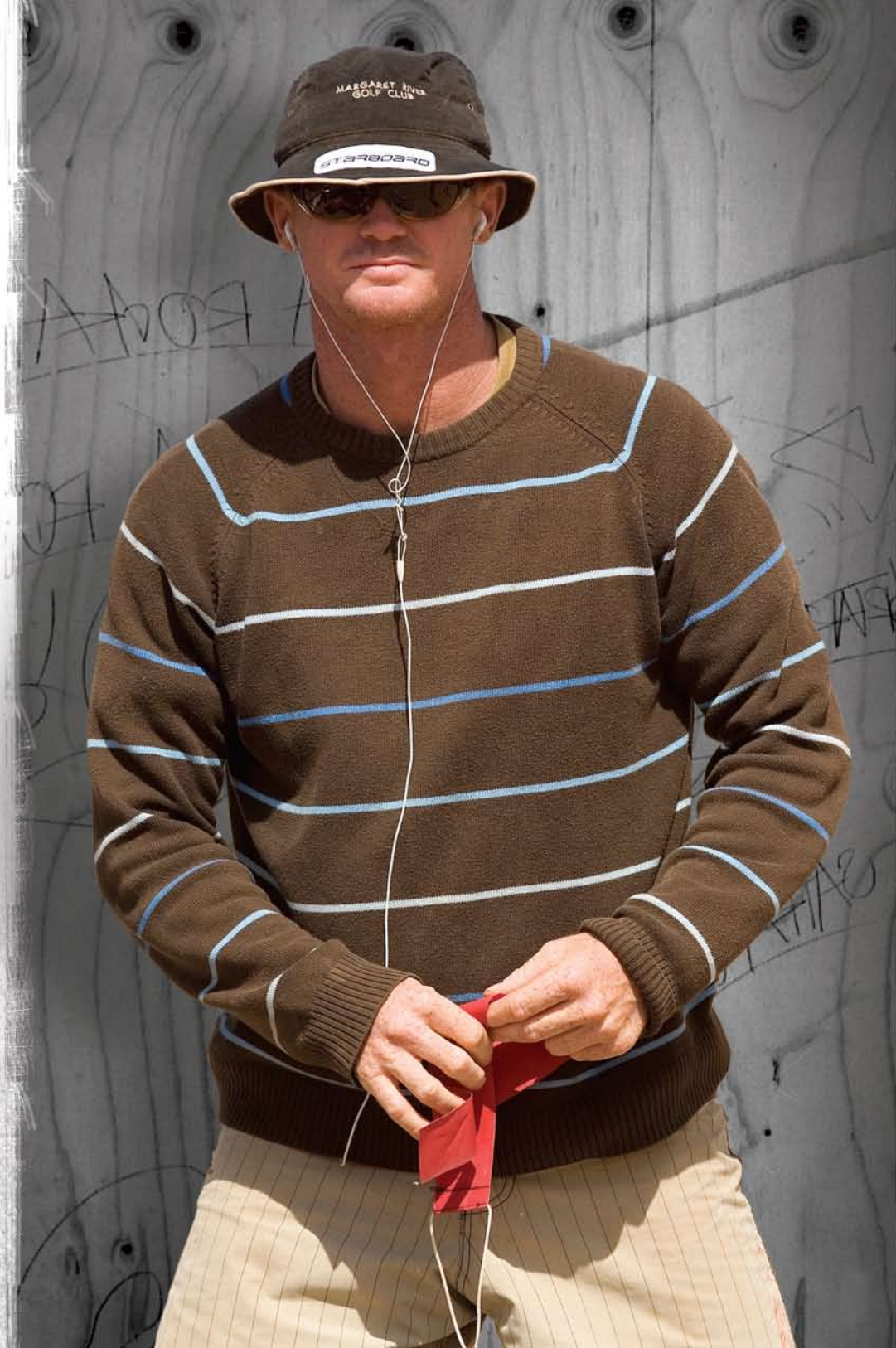
A more uniformed twist and release in the smaller sails helps accommodate power in the shorter boom and luff lengths, while maintaining sensitivity.

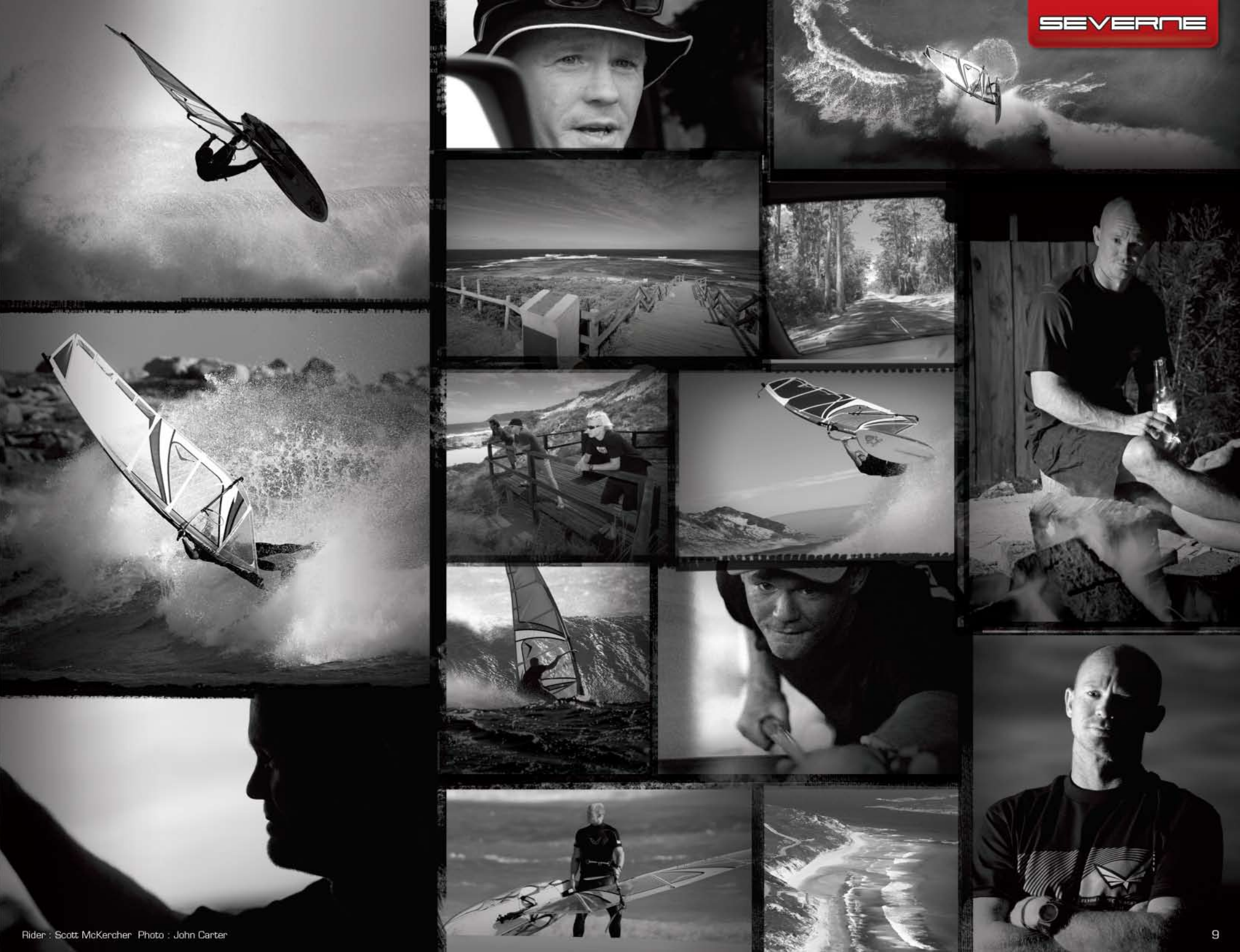
Speed flow and power is the essence of good wave-riding and is what I have tried to follow in my sailing style, which is translated into the characteristics of the blade. Drive off the bottom for speed up the face, smooth transition, low down drive through a turn, or paradoxically neutral and light with ease of recovery when you've belted the lip.

A versatile design suited to onshore or side shore, being the perfect sail to take on travel missions. Built tough to withstand the heaviest of hold downs from the worlds gnarliest waves."



SIZE : 3.0 3.2 3.7 4.0 4.2 4.5 4.7 5.0 5.3 5.7 6.2







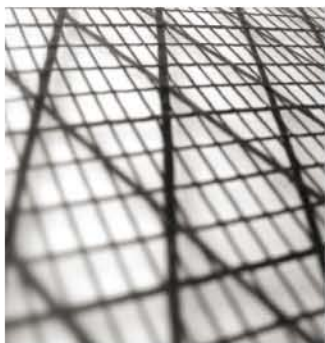


S-1

TECHNOLOGY IS THE FUNDAMENTAL DIFFERENCE OF THE S-1

Through the use of new generation materials and construction we have managed to reduce weight, enhance durability, and increase rig response. This translates into unbeatable "throw around" factor, giving the rider the feeling of a smaller rig without the power sacrifice.

The weight saving is achieved through extensive use of our e⁴ material combined with extensive Aramid reinforcing in higher load areas. The Secret to the e⁴ is the load bearing Technora Scrim sandwiched between two lightweight polyester layers with a bias aligned Technora 750. The result is a material that is half the weight of traditional X-Ply materials, with significantly higher performance.



The S-1's manoeuvre-oriented characteristics and extremely versatility has bridged the gap between freestyle and wave sails. For 2009 this has been a significant point of focus, with bigger sizes having increased acceleration and speed. To match the dynamic movement and feel of each specific sail size, the S-1 features unique batten stiffness and batten taper for additional precision and control.

Jaeger Stone on the S-1

"A surfers sail. The new S-1 is so light and responsive, it feels like it isn't even there."

By morphing unique material technology, ongoing refinement and timeless on the water R&D, the S-1 redefines wave performance.



SIZE : 3.7 4.0 4.3 4.5 4.7 5.0 5.3 5.6 5.9 6.3







Rider : Jaeger Stone Photo : John Carter



TPR Head Reinforcing

5mm X-Ply

S-Won

**Test Winner
Wave and Feestyle**

“ To be recommended without limitations” (4.7)

[German SURF, March '08]

“ A freestyle sail par excellence. The perfect freestyle sail” (5.9)

[German Surf, October '07]

“Balanced Power with fantastically light, precise handling” (5.3)

[Windsurf UK, April '07]

“...the S-1 is superb for wave riding and lighter sailors” (5.3)

[Windsurf UK, October '07]

Sleeve Pop Up

175 Monofilm

Molded Tack Fairing

e⁴

5mm X-PLY

Aramid Torsion Frame

Sandwich Batten Pockets

Heavy Duty 25mm Double Stitched

Dual Clew

Coloured X-Ply

Molded Soft Edge

Seamless Foot Panel

3 Roller Tack Pulley



KIDS PERFORMANCE

As the legendary performance of the S-1 develops, we decide to inject all of those fundamentals into a youth rig that will enable kids to do what they do best, push the boundaries.

The XS-1 features our unique e² laminate in the upper body area, this ultra light material reduces the total swing weight of the rig, while the high Aramid content limits stretch and maintains maximum durability. A heavier duty X-Ply is used in the impact prone foot area, the high visibility film window is enclosed with a frame reinforcing.

The XS-1 is developed around the youth specific White Line 300cm RDM mast. The stiffness was reduced to suit the lightweight riders while the 60% Carbon content and pre-preg construction ensure an extremely low weight of only 1.1 kg with the same response and durability of our full size masts.



SIZE : 2.0 2.5 3.0 3.6



FOCUS

FOCUS ON WATER AND FUN

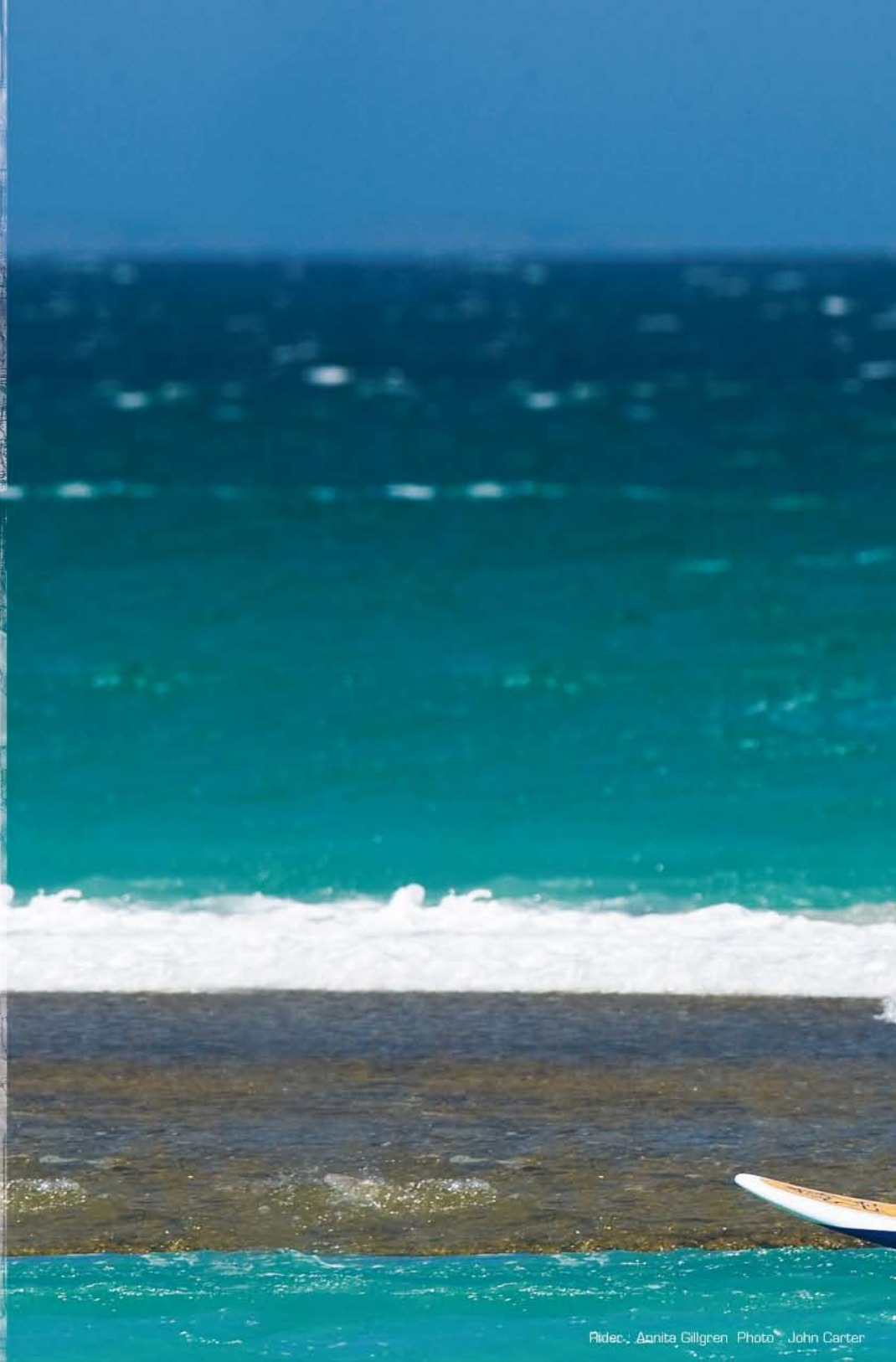
Designed to plane early and to remain stable as the wind picks up, this lightweight sail is perfect for taking your first steps in the sport. Since it carries the same design ideology and rig ergonomics as all Severne sails, it still appeals to the performance-oriented windsurfer looking for a functional sail that is easy on the wallet.

For 2009, durability has been increased in smaller sizes through the use heavier grade 7 mil monofilm throughout the body. While all size feature an improved head construction with reduced seams.

The Focus is extremely functional to rig and will work across a more diverse range of conditions.



SIZE : 4.2 4.8 5.4 6.0 6.7 7.5 8.5











AG ~~PRO~~GRESSIVE FREERIDE

Forget everything you know about freeride. The Gator redefines traditional sail design to echo the demand of the aggressive freeride regardless of the wind conditions. From eight knots on your local lake to twenty foot surf, the Gator will deliver.

Ultimately we realized that progressive riders don't suddenly become conservative riders because the wind lightens or waves flatten. If you are blasting along with your 6.5, racing one of your mates, and the perfectly angled piece of chop rolls towards you, why not try to get some air or throw down your favourite stunt?

Getting down to the unique design specifics, the Gator introduces progressive ride geometry that orients the smallest sizes towards pure wave performance and the largest sizes towards pure flat-water freeride. However, this is a traditional way of viewing the designs. In real terms: as a rider encounters stronger wind conditions, the sails deliver more control and maneuverability; in lighter winds, the larger rigs enables earlier planing and stability.

For 2009, all batten positions have been moved lower on the sail and the trailing edge has been flattened off. This lowers the center of gravity and drive, in turn creating a lighter feel and less back hand pressure.

6.0-5.5

The Medium sizes feature a blend of design and material characteristics, making them maneuver and freemove oriented while still comfortable for straight line blasting.



SIZE : 3.7 4.2 4.7 5.3 5.5 6.0 6.5 7.0 7.5 8.0



8.0-6.5

The larger sizes of the Gator feature a lower foot, more powerful profile and lightest construction of the gator line. This orients the sail towards speed, stability and early planning.





5.3-3.7

Smallest sizes are as comfortable in the waves as any of our dedicated wave lines, while the soft and forgiving feel keeps them easy to use for flat water action.





NCX

HIGH PERFORMANCE NO-CAM

The NCX is the ultimate no-cam, high-speed, freeride sail. Light and direct, the NCX combines the immediate response and acceleration of a race thoroughbred with the stability and locked-in drive not traditionally found in no-cam sails. The design team concentrated on developing a higher tension sail that allows the rider to maintain a comfortable stance through gusts, chop, and wind shifts to provide a huge performance wind range.

The construction of the NCX features a monofilm power zone for a crisper response, while the Dropped Clew allows shorter boom lengths to be used for a more direct feel.

For 2009 all batten positions have been moved lower on the sail to move the center of gravity and drive down on the rig. This increases the sweet spot and power distribution. In addition, all sizes feature 7 battens for improved control and stability in smaller sizes.

The NCX is perfect for intermediate to advanced sailors riding Freeride and Freemove boards looking for absolute performance.



SIZE : .5.5 6.0 6.5 7.0 7.5 8.0 9.0







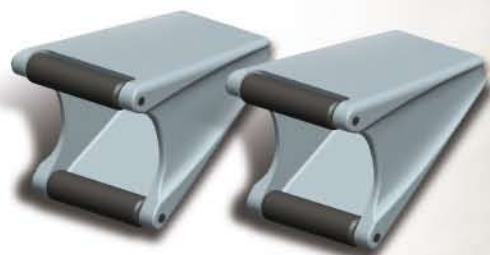


(e)lement²

THE POWER OF TWO

The (e)lement² is our softest and most user-friendly cam sails. Forgiving yet highly efficient, the (e)lement² glides through lulls and accelerates in the gusts. It features the snap-on cam rigging style while being the softest, and easiest to rig of the Severne cam sails. The function of the cam is to induce shape in the body of the sail, which optimizes performance in its lower wind range and creates a powerful locked-in feel. The design team focused on improved rotation by reducing skin tension behind the cam area and increased speed through the use of finer profile entry.

By maintaining the draft position and overall drive of the sail further forward, the (e)lement² allows a more upright rider stance, which translates into a sail that is easier to sail faster.



Praise for the Element:

German Surf:

"Especially in light and medium winds the sail is in its element.....the Element presents itself as the most stable sail in the group."

Summary

"Remarkable light power sail for everybody, regardless of their weight. Its riding qualities are highly recommendable."

SIZE : 6.5 7.5 8.5 9.5









GLIDE

POWER TO THE PEOPLE

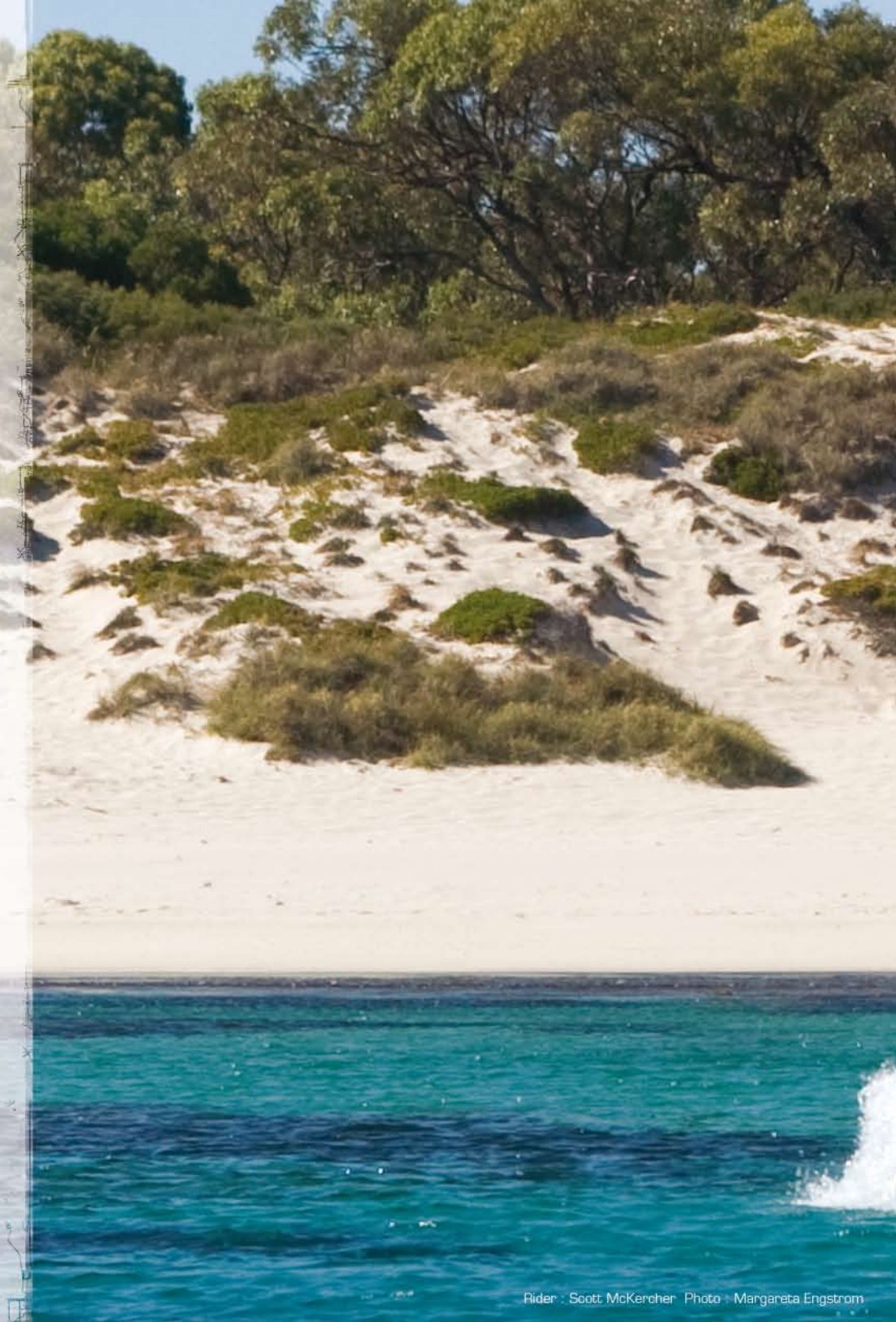
The Glide concept is developed to get the most out of light wind conditions. Deep, powerful profiles with a high-tension leech promote the earliest possible planing. Triple cams hold the light wind foil even in the lightest of wind. These features are combined with a low-tension design that can be easily pumped onto the plane and keeps going.

By using our new "e" series sailcloth technology featuring Aramid warp yarns in conjunction with a lightweight X-Ply, weight has been reduced to an absolute minimum. The result is a sail that feels one size smaller but planes before a sail one size bigger. The reduced weight also makes the Glide easy to manage in sub-planing conditions or waiting for the next bit of breeze to arrive.

Accelerate in the gusts; glide through the lulls.



SIZE : 7.5 8.5







WHERE ALL COMES TOGETHER

The Synergy rig is the perfect blend of simplicity and performance in one dedicated package. Every component in the Synergy rig was developed from the ground up to ensure easy assembly, maximum durability and real performance.

Aimed specifically at the first time windsurfer, the Synergy is also ideal as a package that can be shared amongst a family due to the large range of sizes and adjustment. The sail incorporates our newest design ideas in shaping, stability and performance.

A single Synergy specific, mast, boom and extension combination works with all the adult rig sizes. All rig components carry colour coding for quick reference to the correct setting for each size.



ADULT



4.8 mts.



5.4 mts.



6.0 mts.



6.7 mts.



7.3 mts.

[A single Synergy specific, mast, boom and extension combination works with all the adult rig sizes. All rig components carry colour coding for quick reference to the correct setting for each size.]



Mast 430 cm.



Boom 170-220 cm.



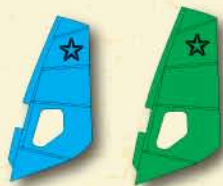
Extension 48 cm.



Base



Synergy Pack



Sizes 3.5 mts., 4.3 mts.



Mast 340 cm.



Boom 110-160 cm.



Extension



Base

YOUTH



Mast 300 cm.



Sizes 2.0 mts., 3.0 mts.

KIDS

OVERDRIVE

The OverDrive takes the latest development in our racing technology and plugs it into this "go fast, anywhere" rig.

With the re-emergence of slalom the versatile performance of the OverDrive has come into its own, where acceleration, a huge top end speed and maneuverability achieve a perfect balance. A focus on durability and an optimum cost to performance ratio, the new OverDrive is developed to perform on lower carbon masts (75% and up). The dropped clew reduces boom length for improved performance with aluminum booms.

The result is a new slalom sail with intoxicating performance and an easy temperament. Perfect for winning races or simply blasting.



SIZE : 5.5 6.0 6.5 7.0 7.5 8.0 8.5 10.0 11.0



CODE:RED

The CODE Red has benefited from an intense year of intelligent evolution. The result is a powerful race sail that provides a new era of stability, speed and agile dynamics.

Get one on the water and you will feel the result of the size specific development and construction technology that refines the performance of every size. Horsepower is enhanced through deeper profiles while maintaining fine entry angles, this results in a rig that drives through lulls and chop. While an increased skin tension, refined Aramid Torsion Frame and stiffer battens in the upper rig area offer more overall stability and control.

The CODE Red delivers significant advantages for riders who plan to be first to the finish line.



SIZE : 4.6 5.1 5.6 6.1 6.7 7.7 8.3 9.0 10.0 11.0 11.7



SAIL OVERVIEW

BLADE

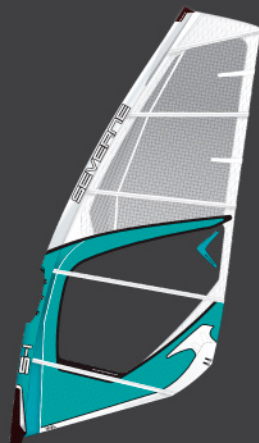


SIZE	LUFF	BOOM	MAST	BATTENS
3.0	337	136	340	5
3.3	354	138	340	5
3.7	373	145	370	5
4.0	389	150	3704	5
4.2	400	153	400	5
4.5	410	157	400	5
4.7	420	160	400	5
5.0	430	164	400	5
5.3	440	169	430	5
5.7	442	180	430	5
6.2	458	189	430	5

Recommended Mast: Red Line

WAVE	FREESTYLE	FREEMOVE	FREERIDE	SLALOM/RACE

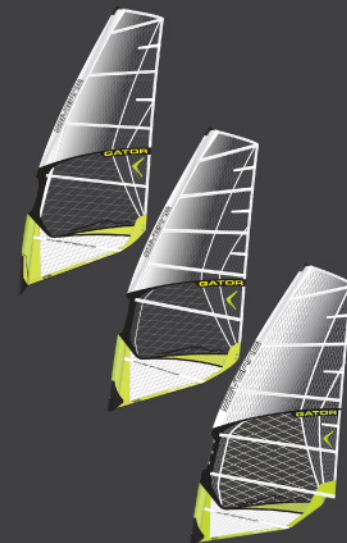
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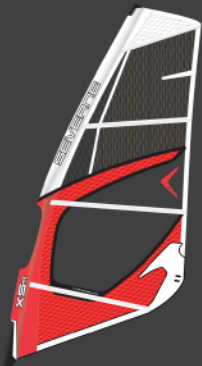
SIZE	LUFF	BOOM	MAST	BATTENS
3.7	373	146	370	5
4.0	390	153	370	5
4.3	400	156	370	5
4.5	412	157	400	5
4.7	412	162	400	5
5.0	425	169	400	5
5.3	428	170	400	5
5.6	432	180	400	5
5.9	453	181	430	5
6.3	461	185	430	5

Recommended Mast: Red Line

WAVE	FREESTYLE	FREEMOVE	FREERIDE	SLALOM/RACE



XS-I

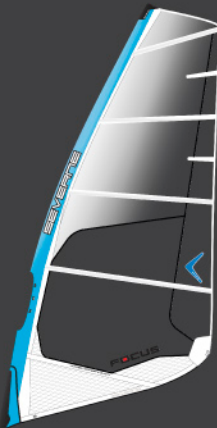


SIZE	LUFF	BOOM	MAST	BATTENS
2.0	272	110	300	4
2.5	298	120	300	4
3.0	319	131	300	4
3.6	335	143	300	4

Recommended Mast: White Line

WAVE	FREESTYLE	FREEMOVE	FREERIDE	SLALOM/RACE

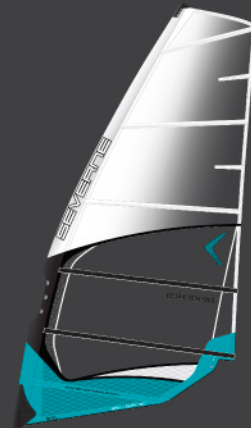
FOCUS



SIZE	LUFF	BOOM	MAST	BATTENS
4.2	380	163	400	4
4.8	405	174	400	4
5.4	423	181	430	5
6.0	443	190	430	5
6.7	463	201	430	5
7.5	485	216	460	5
8.5	493	230	460	5

Recommended Mast: White Line

WAVE	FREESTYLE	FREEMOVE	FREERIDE	SLALOM/RACE



GATOR

SIZE	LUFF	BOOM	MAST	BATTENS
3.7	369	142	370	5
4.2	399	152	370	5
4.7	420	160	400	5
5.3	438	173	430	5
5.5	438	175	430	6
6.0	453	185	430	6
6.5	466	187	460	6
7.0	475	200	460	6
7.5	486	207	460	6
8.0	500	215	490	6

Recommended Mast: Blue Line



NCX

SIZE	LUFF	BOOM	MAST	BATTENS
5.5	430	180	400	7
6.0	444	187	430	7
6.5	461	298	430	7
7.0	474	201	460	7
7.5	485	204	460	7
8.0	497	215	490	7
9.0	525	226	490	7

Recommended Mast: Blue Line



OVERDRIVE

SIZE	LUFF	BOOM	MAST	BATTENS	CAMS
5.5	433	180	430	7	3
6.0	451	182	430	7	3
6.5	467	185	460	7	3
7.0	478	199	460	7	3
7.5	485	206	460	7	3
8.0	506	210	490	7	3
8.5	516	219	490	7	3
10.0	546	249	540	7	3
11.0	570	265	540	7	3

Recommended Mast: Blue Line, Red Line



(e)lement

SIZE	LUFF	BOOM	MAST	BATTENS	CAMS
6.5	469	188	460	6	2
7.5	486	206	460	6	2
8.5	462	220	490	6	2
9.5	524	235	490	6	2

Recommended Mast: Blue Line



GLIDE

SIZE	LUFF	BOOM	MAST	BATTENS	CAMS
7.5	490	222	460	5	3
8.5	495	238	490	5	3

Recommended Mast: Red Line



CODE:RED

SIZE	LUFF	BOOM	MAST	BATTENS	CAMS
4.6	TBA	TBA	370	7	4
5.1	TBA	TBA	400	8	4
5.6	431	180	400	8	4
6.1	452	192	430	8	4
6.7	464	200	460	8	4
7.7	491	222	460	8	4
8.3	513	220	490	8	4
9.0	525	236	490	8	4
10.0	550	252	530	8	4
11.0	576	266	550	8	4
11.7	593	271	560	8	4

Recommended Mast: Red Line



MAST TECHNOLOGY

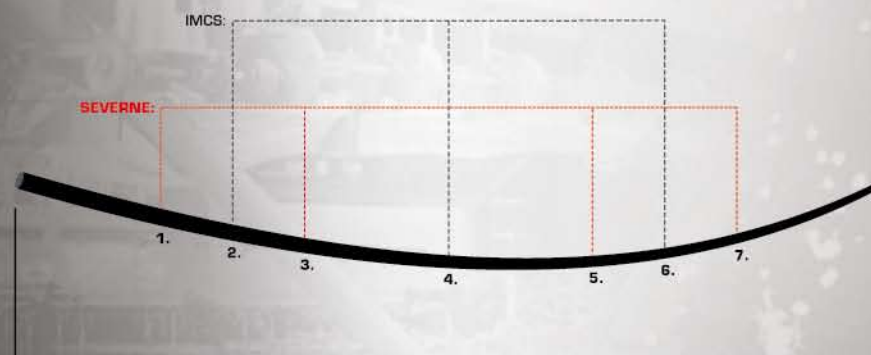


As masts form the backbone of the rig, an optimum match between mast and sail is essential. The correct curve and stiffness ensures that the shaping, twist and response are consistent with the original design objectives.



Our analysis of mast performance extends far beyond the two dimensional IMCS system with only three reference points. All Severne masts are specified along 7 offsets and computer faired to precisely match the luff curve of the sail.

All masts are full pre-preg construction, even in the lower carbon content masts such as the white line. In the prepreg process resin content is carefully controlled and the amount of fibre content is optimised for maximum strength and reduced weight. By using high modulus carbon in conjunction with the unique high fibre content, mast and rig response is maximized.





RED LINE

Lengths (cm)	IMCS	Carbon	Weight (kg)
560	36	100%	2.20
550	34	100%	2.15
530	32	100%	1.95
490	29	100%	1.75
460	25	100%	1.55
430	21	100%	1.35
460-RDM	25	100%	1.75
430-RDM	21	100%	1.50
400-RDM	19	100%	1.35

Our highest specification masts, the Red Line enables lightening fast rig response and the lowest weight possible, for sailor looking for 100% Performance. The durability of the Red Line mast range sets a new benchmark for 100% Carbon masts.



BLUE LINE

Lengths	IMCS	Carbon	Weight (kg)
540	32	75%	2.55
520	32	75%	2.40
490	29	75%	2.20
460	25	75%	2.10
430	21	75%	1.80
400	19	75%	1.70
430-RDM	21	70%	1.85
400-RDM	19	70%	1.60
370-RDM	17	70%	1.45
340-RDM	15	70%	1.35

Developed for a perfect blend of performance and durability, the Blue line is perfect recreational racing and performance wave and freeride. 70% Carbon fibre in full prepreg construction.



WHITE LINE

Lengths (cm)	IMCS	Carbon	Weight (kg)
490	29	40%	3.10
460	25	40%	2.70
430	21	40%	2.50
300 Kids	10	60%	1.00

Perfect recreational performance and affordability, the White line sets a new standard in lightweight recreational masts and over the last few years we have reduced the weight of this mast by 30%. The White Line SDM is manufactured with 40% Carbon fibre in full prepreg construction. Our new white line RDM offers affordability combined with the durability of an RDM mast. The lightweight yet extremely durable RDM kid's mast, is manufactured with a 60% carbon content.

EXTENSION AND TUNING PARTS



Mast Extension

The Severne Mast extension has been developed specifically to enhance the ease of use and performance of the Severne rig.

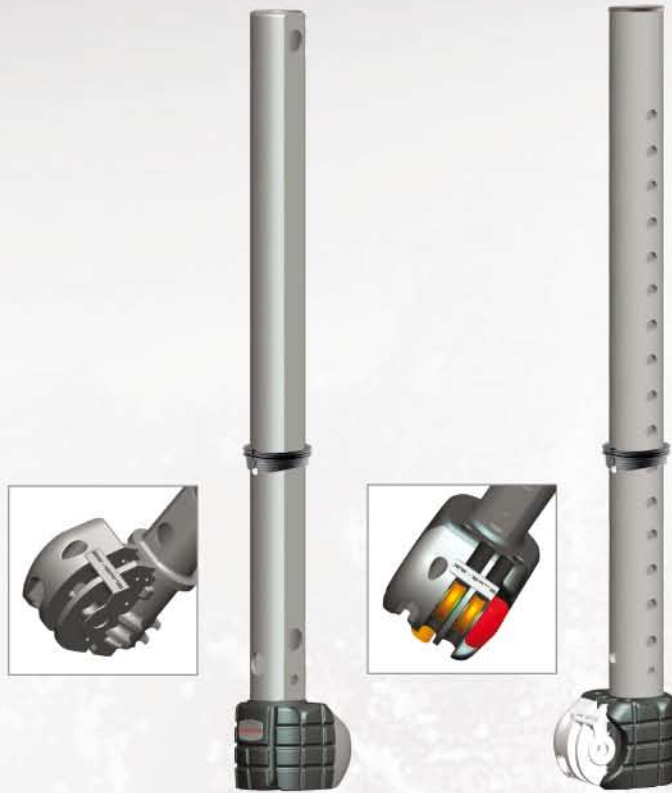
Pulley positions can have a significant effect on the sail shaping. Should the pulley be 10mm further away from the mast or closer, it is the equivalent to a similar amount of seam shaping or luff curve change. Since we engineer to the millimeter, this variation can have a major effect on rig performance. For this reason, all Severne sails are developed on our extensions for consistent performance.

Orientation between the pulleys on the extension and the pulleys on the rig is optimized for the most efficient transfer of load when downhauling the rig.



SDM Extension 35cm:

- High quality aluminium tube
- Heavy Duty 2mm wall thickness
- Correct Geometry pulley positioning for easier downhauling
- Push pin quick release system
- Pin and collar adjustment system for reliability



RDM Extension

- Bombproof Stainless aluminium chassis
- Carbon fiber tube for optimum strength
- Correct Geometry pulley positioning for easier downhaul
- Push pin quick release system
- Pin and collar adjustment system for reliability
- Available early 2009.

Final product may vary from illustration



BASE:

- Ergonomically shaped for easy tightening
- Innovative Rubberised outer shell for comfort
- EVA covered wear plate to stop sliding in track
- Push pin quick release system

BOOMS

Severne is excited to announce the arrival of our new hardware range in early 2009. The ideology behind the new range echoes our focus in our sails. Durable performance and progressive engineering in perfect combination, with a significant focus on ergonomics and rider comfort.



Red Line

The Severne Red line boom series offers variable diameter to ensure the optimum blend of rider comfort and maximum stiffness. Unique Severne dual density front lever for comfort and impact protection.

RED LINE BOOM 140-190 - CARBON

26mm reduced diameter body with ultra skinny 22mm diameter tailpiece. This allows for a reduced diameter the full length of the boom arm.

RED LINE BOOM 160 - 210 - CARBON

26mm reduced diameter grip area with a 29mm rear boom arm and 26mm tailpiece. The increase in diameter of tailpiece compensates for the increased boom length.

Blue Line

Premium continuous T-8 Aluminum body for maximum stiffness and reliability in an aluminum boom. 29mm diameter body with the unique Severne dual density front end lever for comfort and impact protection.

BLUE LINE BOOM 140-190 - 6070 T8

BLUE LINE BOOM 160-210 - 6070 T8

BLUE LINE BOOM 180-230 - 6070 T8

White line

3 Piece T6 Aluminum boom with 29mm grip area.

WHITE LINE BOOM 160-210 - T6 ALLOY

WHITE LINE BOOM 180-230 - T6 ALLOY

Hybrid Wave Boom

The Hybrid wave boom features a continuous aluminum body with 26mm diameter arms. To maintain the narrow diameter for the full length of the arm, a 22mm tail piece is used.

Unique Severne dual density front lever for comfort and impact protection.

HYBRID WAVE BOOM 135 – 175

Severne Aluminum Race , **THE WORLDS STIFFEST ALLOY RACE BOOM.**

Through optimization of wall thickness and variable diameter design, Severne has been able to develop a unique aluminum boom specifically for large rigs and race sails.



APPAREL



OZ



REVOLUTION



GUERRILLA



BOGAN



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