

CORE

PERFORMANCE

SAFETY

QUALITY AND

SERVICE



CORE

Product Guide | 2014/2015



30 YEARS OF SURFING WITH PASSION

Low pressure over Northern Germany. Wind pumping at 25 knots out of the North West. Excellent conditions at Altenteil on Fehmarn. Our spontaneous business excursion saw 40 yellow and white kites in the air at our local spot, and despite the wind, paddlers on SUP boards also made their first appearance. It was a remarkable session, with spectacular jumps and awesome wave riding all day – amazing! **CARVED** has developed its niche as the technology leader in the production of carbon boards made out of CARTAN® Carbon and our **CORE** kites hold a leading position in the mid European kite market. We've been able to achieve this by staying true to our convictions – those that work for Hiss-Tec are passionate kites and surfers. Since starting "Hiss-Tec" with one of my brothers in the basement of our parents house, some 30 years ago, much has changed. During the early days we were known as the "Danger-Freaks". Today we offer the Riot XR, which is our best-selling kite model, and the GTS2, the highest selling unhooked kite in German-speaking countries. We now boast 18 developers on the island. Our business has become more focused on sustainability and we will continue to develop and focus on this area in the future. More of this on page 62.

We've always been different – and we want to stay that way – however this doesn't only apply to the colour of our kites. I am a perfectionist and don't have a lot of time for short-lived fashion trends, and as a result we've stuck to our **CORE** principle that only finely developed and exhaustively tested products will make it onto the water.

CARVED and **CORE** are brands that stand for High Technology and Quality, without compromise and all our products are designed and approved by Hiss-Tec Fehmarn in Germany. When you are on the water you should be safe in the knowledge that your equipment works absolutely perfectly.

We share this conviction and our passion for kiting with our friends and customers, which makes us a community of passionate kites. We cherish every new member!

You'll find all the products you need for more fun on the water in this catalogue. If we can be of any further help then please contact us!



Rip Hard!

Bernie Hiss

*Owner Hiss-Tec Fehmarn
Board builder since 1981*

Performance.



Safety.



Quality.





Service.



KITES

Free, to do, what I want!

Freeride | Freestyle | Race | Wave



RIOTXR3

THE CROSSRIDE KITE.

PERFORMANCE COMFORT SAFETY

The new Riot XR3 is a further development of the highly successful XR2.

The new generation of the cross ride kite has even more hang time, power and agility for waves. Comfort and safety are, as always, of the highest standard.

Freeride / Freestyle / Race / Wave
You decide your style.

EVEN MORE PERFORMANCE

- › Massive **jump height** and endless **hang time** with the **optimised profile** and the **Intelligent-ARC**
- › **Crisp pressure** build-up with the new **CoreTex® fabric**
- › **Dynamic turning ability** and the **most direct kite feedback** with the new **Short Bridle System**



New
Speed Valve 2



XR2 New
Short Bridle System XR3



Optimised
Aerodynamic +
Intelligent-ARC



Optimised
Triple Ripstop Fabric
even more durable

PROVEN SAFETY

- › **Pressure-less release** on the **virtual fifth line**
- › **Massive depower** for safety and control when over-powered
- › **High levels of safety** with the **SENSOR-Bar**

EVEN MORE PERFORMANCE

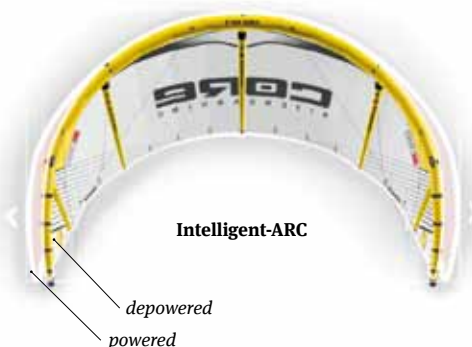
We further optimised both the kite profile and the Intelligent-ARC, which has led to a noticeable improvement in the hang time and jump height of the Riot XR3.

OPTIMISED AERODYNAMIC AND INTELLIGENT-ARC

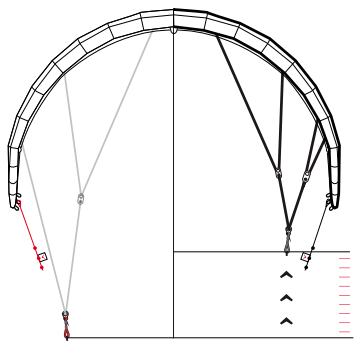
The **Intelligent-ARC** makes the Riot XR3 a true jumping machine. The inspiration behind the **Intelligent-ARC** comes from nature: As a bird is able to glide without flapping its wings for long durations of time, so to the Riot XR3 as it spreads its wings when the bar is pulled in. We call it “Big-Air power on demand.”

This principle allows for a more powerful

down stroke that assists with early planing. It also reduces shear forces. Upwind ability is also made more efficient as a result. Conversely the projected surface of the kite is reduced when depowered, also like a flying bird. This adds to the agility of the kite when depowered and allows for precise turns. This characteristic makes the Riot XR3 ideal for riding in the waves. We have used 20 parallel panels for high performance.



EVEN MORE PERFORMANCE



CORE TEX® TRIPLE RIPSTOP

- › Robustness and durability with the improved UV-protective coating
- › Even more performance and a crisp ride experience
- › Less stretch for delay-less steering and drive

SHORT BRIDLE SYSTEM

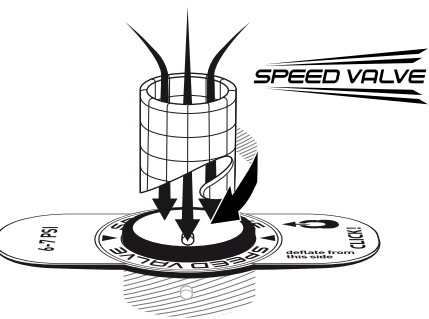
The new **Short Bridle System** improves the, already quick, response of the kite to steering and makes for an extremely dynamic turning ability. The Riot XR3 scores highly in waves with its agility and precise bar feedback. It allows you to know exactly where your kite is at all times.

- › Dynamic steering
- › Improved kite feedback

LEGENDARY COMFORT

The Riot XR3 has always been synonymous with the highest level of comfort. With the **CORE Intelligent Trim System (CIT)** you decide for yourself whether the bar pressure is set to ‘middle’ or ‘feather light’. You can adjust the turning speed from ‘middle’ to ‘fast’ or even ‘super-fast’. The power of the kite is available on demand: **Controlled and linear. Re-launch is always easy and uncomplicated.**

- › Linear power on demand and precise bar feeling, even when depowered
- › Choose your individual style with the **CORE Intelligent Trim System**
- › Instant auto relaunch thanks to the Delta design



SPEED PUMP SYSTEM + SPEED VALVE 2

- › **Speed Pump System** with the new **Speed Valve 2**
- › Quicker inflation
- › Deflate in seconds
- › No pump adaptor required

PROVEN SAFETY

Safety is the cornerstone of our products. The SENSOR-Bar guarantees the very highest safety standards.

The Riot XR3 is precisely tuned to the **SENSOR-Bar System** and allows for a pressure-less release on the virtual fifth line. The big depower range adds to the safety and control elements when over powered.



RIOTXR3

DELIVERY INCLUDES
Riot XR3 Kite with
High Performance Kite bag,
Repair Kit Pro and Short Manual

STYLEFINDER	Freeride / Easy Riding / Hangtime
	Freestyle / Big Air
	New School / Wakestyle
	Wave
	Race

Skill level
PRO
ADVANCED
INTERMEDIATE
BEGINNER

		BEAUFORT	KNOTS
Riot XR3	5.0	6 - 9	22 - 42
Riot XR3	6.0	5,5 - 8	20 - 38
Riot XR3	7.0	5 - 8	17 - 35
Riot XR3	8.0	4,5 - 7,5	15 - 33
Riot XR3	9.0	4 - 7	13 - 30
Riot XR3	10.0	4 - 6,5	12 - 28
Riot XR3	11.0	3,5 - 6,5	11 - 26
Riot XR3	12.0	3,5 - 6	10 - 24
Riot XR3	13.5	3 - 5,5	9 - 22
Riot XR3 LW	15.0	3 - 5	8 - 20
Riot XR3 LW	17.0	2,5 - 5	7 - 19
Riot XR3 LW	19.0	2,5 - 5	6 - 18
SENSOR-Bar		all	all



THE RIOT XR3 IN ACTION
For Videos [surf corekites.com](http://surf.corekites.com)



Enjoy
every day
on the water!

RIOTXR3 LW
THE LIGHT WIND KITE WITH
EXCELLENT AGILITY FOR
EASY KITE LOOPS.



The Riot XR3 LW (Light Wind Edition) allows you to enjoy even more days on the water. In addition to improved light wind performance the Riot XR3 LW is synonymous with excellent agility and pure ride joy, even when the wind is blowing less than 10 knots.

The LW directly benefits from the new developments of its little brother, the Riot XR3: The new **Short Bridle System** gives a very direct bar feeling and dynamic feedback when steering the kite. With the Riot XR3 LW real kite loops are possible – even in light winds!

The constant focus on light wind build methods gives the Riot XR3 LW its performance abilities in light wind conditions. As an example we use thinner tubes and

CoreTex® Light-Fabric in our production. Despite being as light as a feather, the sophisticated construction allows the kite to hold its own when the wind picks up. Thanks to its dynamic properties, the Riot XR3 LW makes you feel as if you were flying a noticeably smaller kite, whilst topping it off by being an absolute ‘hang time machine’.

THE RIOT XR3 LW IN ACTION
For Videos surf.corekites.com



AGILITY

- › Direct bar feeling with dynamic feedback when steering the kite
- › Crisp ride experience and real kite loops in light wind
- › Applied light wind construction, thinner tubes and the new CoreTex® Light-Canopy

LIGHTWIND PERFORMANCE

- › Early planing ability and easy upwind ability at under 10 knots
- › Massive jump height and hang time
- › Plenty of Depower-Reserve for strengthening wind



RIOTXR3 LW
DELIVERY INCLUDES
Riot XR3 LW Kite with
High Performance Kite bag,
Repair Kit Pro and Short Manual

STYLEFINDER	Freeride / Easy Riding / Hangtime
	Freestyle / Big Air
	New School / Wakestyle
	Wave
	Race

	BEAUFORT	KNOTS
Riot XR3 LW 15.0	3 - 5	8 - 20
Riot XR3 LW 17.0	2,5 - 5	7 - 19
Riot XR3 LW 19.0	2,5 - 5	6 - 18
SENSOR-Bar	all	all

Skill level	PRO
	ADVANCED
	INTERMEDIATE
	BEGINNER



GTS₂

**THE NEW GENERATION
OF THE SPORTY
ALL-IN-ONE KITE.
FUTURE-C.**

The GTS2 is the most radical kite that CORE has ever built – and yet it remains a true **All-in-One** kite thanks to the revolutionary “Future-C” Shape. Simply put, ‘a kite that can do everything: from big air to extreme wave riding and radical kite loops’.

To improve the original GTS proved a tough nut to crack for the developers from CORE. With the GTS2 they fully utilised the development period of over 2 years, and created a new kiting concept: Future-C. This shape intelligently combines the advantages of a C- kite and a high depower kite without compromise.

ALL-IN-ONE WITH EXTRA STRENGTHS IN FREESTYLE, NEWSCHOOL AND WAVE

The jumping performance of the GTS2 has been further improved, hooked and unhooked. With hooked, there is a definite increase in lift and hang time, while with unhooked tricks it provides even more pop and better pressure release for landings. On top of this, the GTS2 has an even more direct C-kite bar feeling. Early planing ability is a given and, typical to CORE, water relaunches are as easy as a Delta-kite. In waves, the GTS2 shines thanks to its stability in the air, precise steering and quick turning. The highly predictable turning radius makes radical kite loops easier than ever. Try it! The GTS2 is a real kite loop machine.

GTS2 WITH FUTURE-C

Radical flight characteristics with maximum comfort and safety

- › The most direct C-kite bar feeling and the most precise turning behaviour with the **new tip design and the shorter bridles**
- › **More lift, simple and precise on demand**
- › **Perfectly suited to unhooked tricks**
- › **Customisable from easy handling to super agile**
- › Early planing and **instant relaunch** – like a delta kite
- › **Speed Pump System**
- › Safety with the **virtual 5th Line** and the **SENSOR-Bar**





NEW TIP SHAPE AND SHORTER BRIDLES

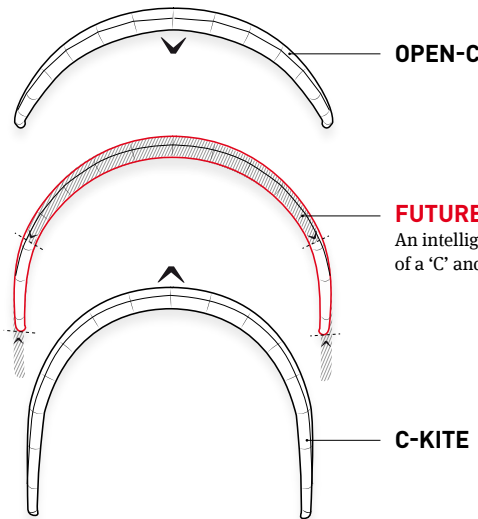
A direct C-kite feeling, rounded turning behaviour and the best bar feedback are the result of the new rectangular tip shape and the shorter bridles. The **‘Straight Segment Power steering’ tip (SSP)** is more pronounced with the GTS2, just like a real C-kite. Since the control lines are attached to a straight segment, steering impulses are converted directly and accurately. This is perfect for the radical steering of explosive jumps and perfectly timed, harmonious kite loops. Those who fly their kite a lot in waves will be pleased with the precise steering and quick turning.

The pressure point of the GTS2 is always measurable on the bar and always provides feedback as to how much pressure is in the canopy – no loss of power before jumping or in the middle of a cutback.

Thanks to the **CORE Intelligent Trim System (CIT)** the turning speed and bar pressure are completely adjustable.

FULL PERFORMANCE AND SAFETY WITH THE SENSOR-BAR

Safety is provided by the virtual fifth line and the **SENSOR-Bar**. The GTS2 is optimally matched to the **SENSOR-Bar**, with pressure-less release. Relaunch is typically **CORE**: quick and reliable.



OPEN-C

FUTURE-C
An intelligent combination of a ‘C’ and an ‘Open C’-kite

C-KITE

FUTURE-C

We have combined the best of both worlds, and with Future-C we have developed a kite shape that has radical flight characteristics, whilst at the same time providing maximum comfort and safety. The secret to the success of Future-C is the curve of the front tube: an intelligent fusion of a C-kite and an Open C-kite.

The characteristic square tips provide all the positive attributes of a C-kite such as directness, unhooked suitability and rounded turning behaviour. The advantages of Future-C are therefore early planing ability and flight stability. Thanks to the large wind range, you’ll need less kites in your quiver than with classic C-kites.



DELIVERY INCLUDES
CORE GTS2 Kite with
High Performance Kite bag,
Repair Kit Pro and Short Manual

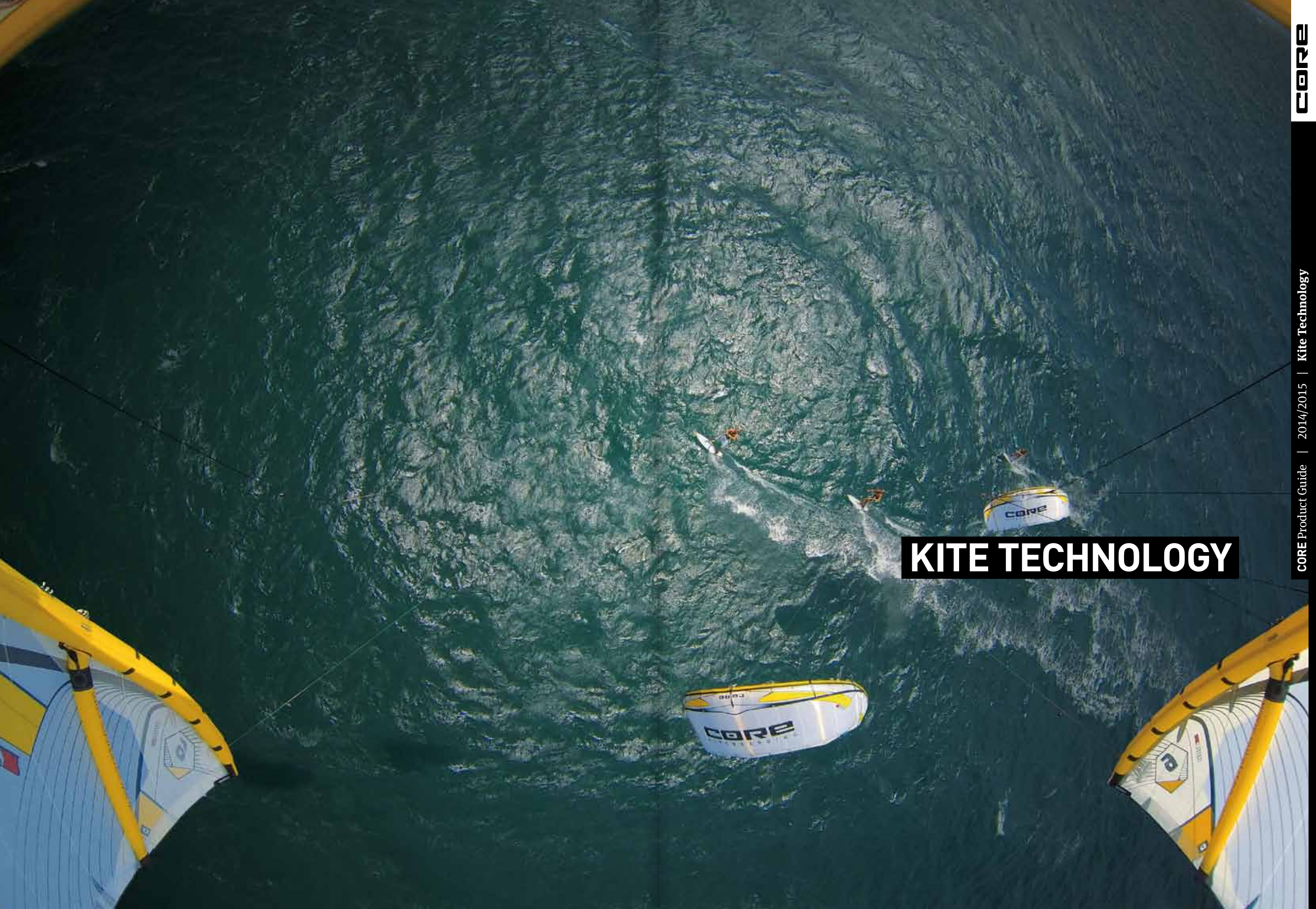
- STYLEFINDER**
- Freeride / Easy Riding / Hangtime
 - Freestyle / Big Air
 - New School / Wakestyle
 - Wave

Skill level
— PRO —
— ADVANCED —
— INTERMEDIATE —
— BEGINNER —

		BEAUFORT	KNOTS
GTS2	5.0	6 - 8,5	23 - 40
GTS2	6.0	5,5 - 8	20 - 36
GTS2	7.0	5 - 7,5	17 - 33
GTS2	8.0	4,5 - 7	15 - 30
GTS2	9.0	4 - 6,5	13 - 28
GTS2	10.0	4 - 6,5	12 - 26
GTS2	11.0	3,5 - 6	11 - 24
GTS2	12.0	3,5 - 5,5	10,5 - 22
GTS2	13.0	3 - 5,5	10 - 20
GTS2	14.0	3 - 5	9,5 - 19
GTS2	15.0	3 - 5	9 - 18
SENSOR-Bar		all	all



THE GTS2 IN ACTION
For Videos surf corekites.com



KITE TECHNOLOGY



HIGHEST QUALITY WORKMANSHIP AND MATERIALS

Our company philosophy is that you should have the maximum amount of enjoyment for the longest period of time with our products, and in addition, you should be able to rely on them completely. This philosophy is realised in the selection and processing of materials.

We have a sophisticated quality control system incorporated into our production process, with a minimum tolerance level. This ensures that we are able to continuously achieve the highest standards of quality.

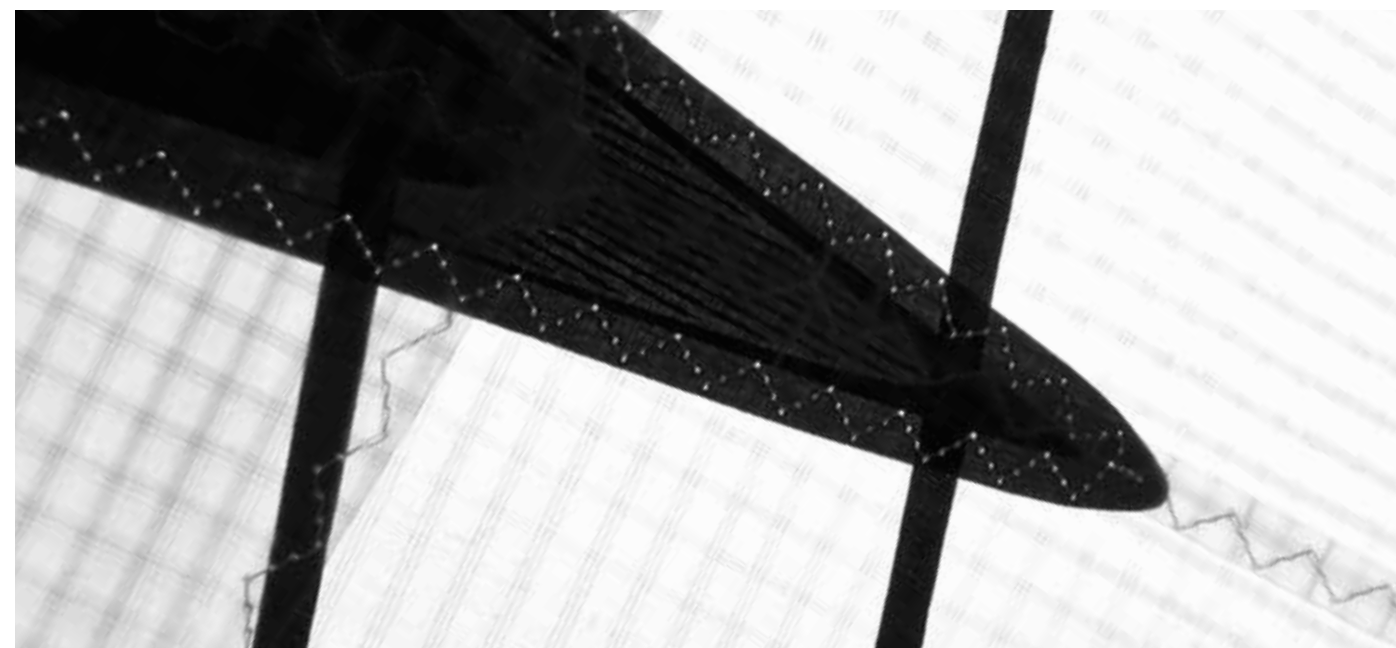


Surfcorekites.com for a short documentary on how a CORE kite is made.



You can even feel the quality and vigour of the material when you pick up the kite lines. All the **lines** and **pulleys** on the kite are **made in Germany**, where we develop and produce them in conjunction with our partner Liros. Liros lines are renowned, in flying sports, for the consistent perfection of their production, reliable stiffness, abrasion resistance, kink resistance and safety.

The **flying lines** of the **CORE SENSOR-Bar** have a breaking load of **368kg** at a diameter of **only 1.8mm**. The smooth surface inhibits knots from forming and makes them user friendly when laying out too.



UNIQUE STANDARDS

CORE has, for many years, raised and set the benchmark in workmanship: All **CORE** Kites have unique finish and quality standards, such as the **CORE Powerseam**. We certainly aren't exaggerating when we say that at **CORE**, complaints and failure rates are close to nil.

Improved precision and double the load capacity, with less wear and tear, is achieved by the use of **stainless steel bridle guides** on the main bridle.

The same applies for all **CORE** kites: each size has been individually developed, and countless test hours have been logged over long periods of time.

CORE

CoreTex®
TRIPLE RIPSTOP

CoreTex®

CORE TEX® TRIPLE RIPSTOP

The Riot XR3 is the first kite to benefit from the use of the exclusive **CoreTex® Triple Ripstop fabric**. It increases durability in three key aspects: breaking load, tear strength and air permeability. On top of this it also infuses the kite with a very crisp ride.



The new **CoreTex® Triple Ripstop fabric** is a very dimensionally stable and resistant fabric with a manufacturing process that is unique to **CORE**: single fibres are first dipped in a coating before they are woven and then finally heated to achieve the calendar

› Robustness and durability with the improved UV-protective coating

› Even more performance and a crisp ride experience

› Less stretch for delay-less steering and drive

finish. This ensures that every single fibre strand is sealed and that the fibre will not absorb water, even after prolonged use. The **triple reliable security fibre** of the Ripstop material makes the fabric tear **resistant** and noticeably **increases its durability**.

SPEED PUMP SYSTEM + SPEED VALVE 2

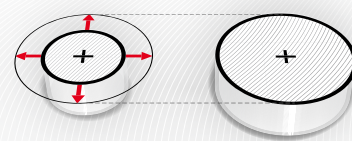
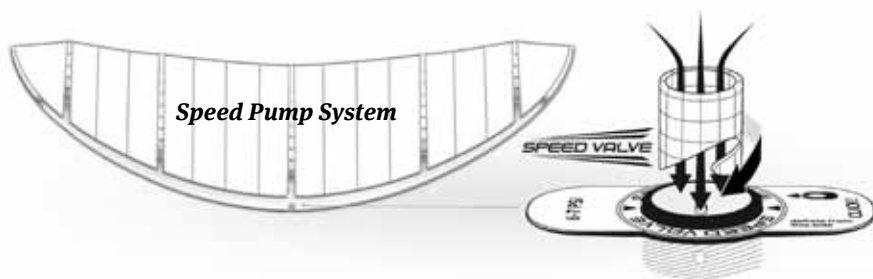
A real comfort feature of the **Speed Pump System** is the new **'Speed Valve 2'**. You'll be able to pump up your Riot XR3 in a significantly shorter time, whilst being able to deflate the kite in seconds. Even bigger kites are now able to be inflated and deflated with greater comfort. How is this possible? The pump hose can be placed **inside** the **'Speed Valve 2'** valve. This allows the air to flow through the near three times wider valve, without interference.

› Improved **Speed Pump System** with the **Speed Valve 2**

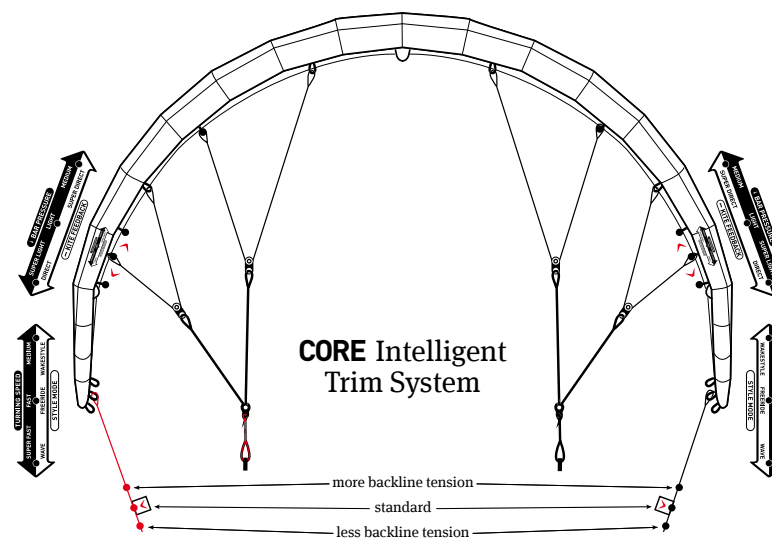
› Quicker inflation

› Deflate in seconds

› No pump adaptor required



Speed Valve 1 Speed Valve 2
2,9 x greater surface diameter



CORE INTELLIGENT TRIM SYSTEM (CIT)

The **CORE Intelligent Trim System** allows you set the bar feedback levels and turning speed.

The turning speed can be adjusted from 'middle' to 'super-fast.' The bar feedback levels can be set between 'medium' and 'super direct'. The bar pressure between 'super light' and 'middle'. You can customise the settings to suit your individual and session needs – within seconds.

The kite's factory settings are set up ideally for 90% of all kites.

CORE
CARE

CORE CARE

Simply register online, secure your guarantee and you stand a chance to win a kite!

Service is everything at **CORE**. We offer a free guarantee to all our customers in the EU (European Union). All you have to do is register your quiver within 14 days after the purchase at www.corekites.com.

CORE is well known for premium products and the best quality. In case you really need the warranty claim, we provide safety through **CORE CARE**.

- CORE +6** Extended warranty for **6 months** Register now!
- CORE** **Six year** guarantee on replacement parts availability
- CORE** **Worldwide** service



THE FINE TUNING SPECIALISTS FROM THE ISLAND

A team of kite-addicts came together on Fehmarn and made their hobbies their work. “Designed and approved by Hiss-Tec Fehmarn” means: All our products are developed on Fehmarn and then tested by top national and international riders around the world. This testing doesn’t just take place in exotic locations such as Los Roques, Brazil or Maui, but also (very importantly) in the challenging conditions of the North and Baltic Sea. Unforgettable days and kite sessions – these experiences and our innovations are translated into our **CORE** kites.





SENSOR-BAR

THREE REASONS WHY THE CORE SENSOR-BAR WILL REDEFINE YOUR KITEBOARDING:

1 | MOST DIRECT BAR FEELING

The unique hollow Unibody construction reduces the weight by 43% whilst at the same time increasing the breaking load. The intelligent mass distribution and reduction of the mass moment of inertia (by 55%) enables a noticeably more direct feeling of the kite. In addition, the levelled bar ends reduce the bar steering force of the **SENSOR-Bar**, through improved leverage.

2 | REVOLUTIONARY SAFETY

The ergonomically designed, revolutionary '**ROTOR-Quickrelease**' enables an intuitive safety release, with the least amount of effort. In contrast to traditional systems, there is no power required against the flow of the water. The entire safety system, quick-release and leash, work together in harmony. With the '**ROTOR-Quickrelease**', **CORE** not only surpasses the highest standards, but also sets new levels of safety.

3 | UNSURPASSED COMFORT

CORE presents the only 100% self-untwisting bar system. The mid-bar grip ability was optimised with further development of the line guides and a noticeably thinner bar diameter. The low wear adjuster halves the trimming effort required. The **SENSOR-Bar** is suitable for all kite sizes – one bar for all. The **SENSOR PRO-Loop** and **PRO-Leash** are available for pro riders.



HIGH-TECH BAR

The hollow Unibody of the **SENSOR-Bar** is made from a newly developed high performance material, an innovation **made in Germany**.



SENSOR 

**THE MOST PROGRESSIVE BAR
IN THE WORLD.
MADE IN GERMANY.**

COMFORTABLE RIDE

The mid-bar grip ability was optimised with further development of the line guides. The successive depower lines now take up no more than 4mm – ideal for the one-handed mid bar hold. And the best thing is that with the noticeably thinner bar diameter, the bar feels as light in the hand as it really is. The new adjuster halves the trimming effort required, and finally the **SENSOR-Bar** is suitable for all kite sizes.

The entire line system is logical and clear.

The new adjuster system is an improvement on all currently available cleat systems. The reason for this: the forces working on the cleat adjuster are halved by adding an additional re-direction over a low-wear adjuster. This results in the system operating with less trimming effort and allows for a more accurate trim setting, even at upper wind ranges. The 20% lower height of the 'ROTOR-Quickrelease' body improves access to the adjuster. The depower travel can now be adjusted with a simple adjustment of the trimming cleat.

The easy bar length adjustment, with the line attachments at the bar ends, allows the **SENSOR-Bar** to cover the entire kite range, from 5m² to 19m², with one bar.



Ultralight
Unibody



50% reduced effort
with the trimming system



Noticeably more direct by reducing
the mass moment of inertia by 55%



Optimised grip-ability
due to the thinner bar diameter



12% better leverage
through levelled bar ends



Perfected line flow
at 4mm for ideal grip



Only 240g
thanks to a 43% reduction in weight



Noticeably more direct by reducing
the mass moment of inertia by 55%



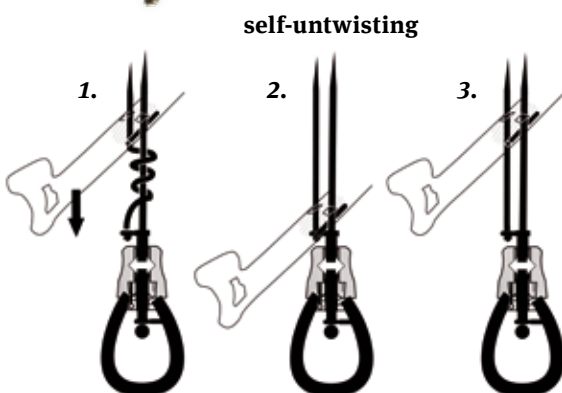
100%
self-untwisting

THE ROTOR-QUICKRELEASE

The ergonomically designed 'ROTOR-Quickrelease' is an absolute innovation. The bi-directional release mechanism enables an intuitive safety release with the least amount of effort required. In contrast to traditional systems, there is no power required against the flow of the water. At **CORE** the entire safety system, the quickrelease and the new leash, work together harmoniously. The 'ROTOR-Quickrelease' not only surpasses the highest standards, but also sets new levels in safety.



The laterally fitting chicken stick avoids accidental unhooking from the harness. With unhooked manoeuvres it slides to the side to ensure that it is not in the way when hooking in again.



UNIQUE, 100% SELF-UNTWISTING BAR SYSTEM

From the beginning it has been the cornerstone for the unsurpassed level of comfort from **CORE**: the self-untwisting bar system. The twisting and turning of lines after rotation has always been transferred, by **CORE**, to below the bar. Pulling down on the bar automatically orders all the lines.



THE SAFETY LEASH

The safety leash release is visible at the front of the harness for a quick and intuitive release. This guarantees an unbeatable level of safety. Only the **CORE-Leash-**

System guarantees the highest level of safety. The configuration of leash components, and the individual components used, prevent the safety leash from being jammed against the harness – especially after use of the quick-release. At **CORE** the entire safety system, the quickrelease and the new leash, work together harmoniously.

LINES MADE IN GERMANY

All the **SENSOR-Bar** lines come from the German manufacturer Liros, to ensure a high standard of quality. The flying lines are especially user friendly when laying them out. After assembly,

the entire line length from the chicken loop, over the depower lines, to the end of the front flight lines, are pre-stretched with 200 kg. The **SENSOR-Bar** achieves an additional stiffening of the power lines by splitting the force onto the safety line, which is integrated into the depower line.

The spliced line ends are unique. They are no longer sewn in parallel and as a result their rigidity is increased by 20%. Positively, laying out the lines is noticeably easier and faster.

PRO FEATURES

CORE has not only made the **SENSOR-Bar** more direct, safer and more comfortable, but has also equipped it with features that will appeal to the Pros. The Suicide mode allows the experienced rider to practice unhooked tricks without the kite completely depowering after releasing the bar. The safety ring, to which the leash is attached, is simply attached to the chicken loop. The safety of the ROTOR function is 100% unaffected. Pro's can acquire the following additional attachments:



PRO-LOOP

Longer chicken loop for Pro's that perform a lot of unhooked moves and want to hook in quickly – however, the path to the adjuster is lengthened.

PRO-LEASH

Possibly the only PRO-Leash on the market which release system cannot be jammed behind the harness.



THE SENSOR-BAR IN ACTION
For Videos surf corekites.com



DELIVERY INCLUDES
24m lines, 52/45 cm, incl. Leash,
Bar bag & Manual





KITEBOARDS

FUSION

THE HIGHTECH CARTAN®-CARBON CROSSRIDE BOARD.



More time on the water and less time trying to decide which board to ride: The Fusion takes the complexity out of board choice dilemma.

We have developed a real CROSSRIDE board that covers all aspects of Kitesurfing, without compromising on any of

them. The Fusion is ideal for riders of all levels, and will develop with you as you continue to improve.

The **Fusion** was constructed in the most elaborate way for a series construction board, by using only the finest materials. The board is made of 100% CARTAN® high-performance carbon; each layer is made of

pure carbon fibre. This guarantees minimum weight and optimum flex properties. The complex bottom, with a double concave and 'V' profile, provides more drive and direction when needed, and is responsible for such a unique riding experience.

ACCESSORIES



With the selection of the fin profile, **CORE** benefitted from the development process of the **CARVED Razor fin**. The result, after exhaustive testing, is a **fin** that provides maximum grip on edge. The combination of

the base curve and the shape of the tip also facilitate a quick switch.



The **pads** and **straps** are dedicated to delivering the highest levels of comfort and adaptability. They are not only comfortable but also precise, allowing unsurpassed levels of connection between the rider and the board.

SIZES

130x38
132x39
134x40
137x41
141x42
144x43

DELIVERY INCLUDES

Fusion,
CORE Pro
Straps & Pads,
Grabhandle,
1,9" G10 Fins,
V4A Screws



THE FUSION IN ACTION
For Videos surf corekites.com





THE ULTIMATE LIGHT WIND MACHINE MADE WITH CARTAN® CARBON.

For light winds we fully transferred the Crossride concept to the Fusion LW (= light wind). It's both easy to ride and delivers high performance. The Fusion LW is therefore not only a good light wind weapon, but also an ideal learner and entry level board.

The Fusion LW Series is also made completely from CARTAN® Carbon, however, the Fusion LW boards differ in one aspect from the other Fusion boards. Since it has a greater planing surface that displaces more water, combined with the lower speeds achieved in lighter winds, the bottom concave, channel and 'V' had to be reduced by a millimetre. This modification minimises the water resistance, whilst still guaranteeing, together with the combination of outline and bottom contour, adequate grip to deal with gusts. The two Fusion LW boards are perfectly paired to the Riot XR LW.



SIZES

LW 149x44

LW 152x46

DELIVERY INCLUDES

Fusion LW,
CORE Pro
Straps & Pads,
Grabhandle,
1,9" G10 Fins,
V4A Screws



THE FUSION LW IN ACTION
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FUSION LW 149 X 44

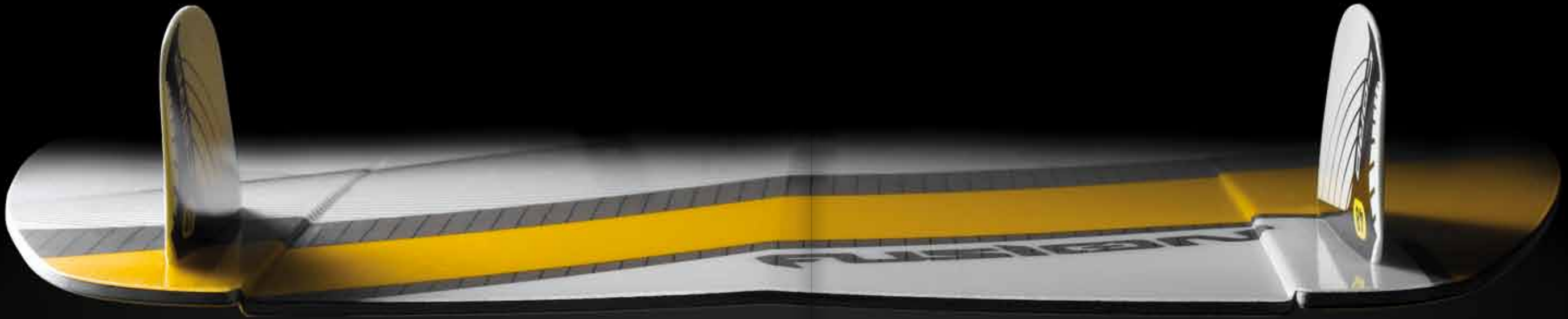
The most agile light wind board
on the market

The 149 x 44 cm Fusion combines the advantages of a light wind board with those of a thoroughbred twintip. Even if the wind picks up, rotations and even unhooked tricks are effortlessly achieved. The 'Diamond 3D Shape' and the resulting low board thickness, allows for thin rails that cut through the water, but thanks to the 'V', which acts like an air cushion, the rails don't get bogged down.

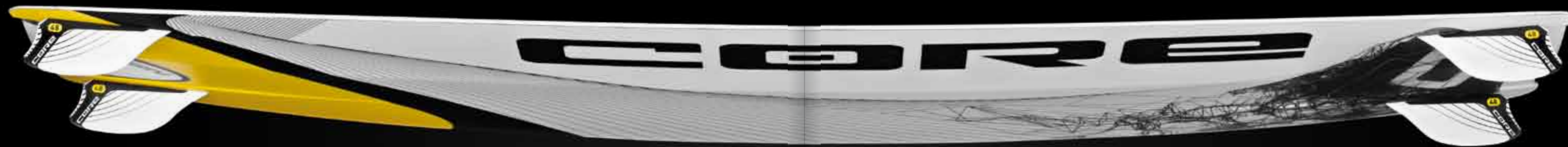
FUSION LW 152 X 46

The ultimate early planer
of the Fusion series

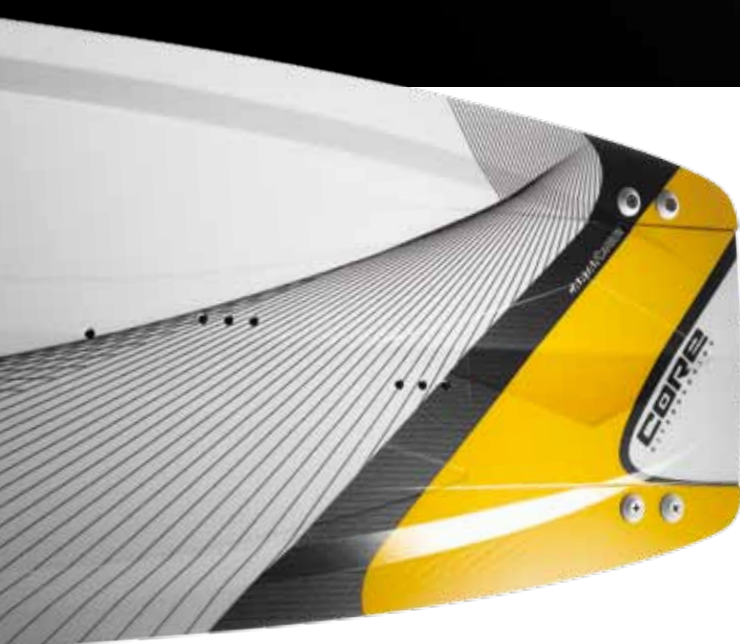
With 152 x 46 cm board, the largest in the Fusion line, the CORE development team opted for a concave outline. The pronounced waist makes the bottom sit a bit deeper in the water, resulting in the edge being more effectively utilised when riding upwind. The resulting edge width from this shape is a crucial factor in the unprecedented planing and glide ability. The concave, in the sophisticated bottom contour, controls the width when the wind picks up.



FUSION TECHNOLOGY



CARTAN® CARBON



CARTAN® FULL CARBON CONSTRUCTION

When we say full carbon, we mean full carbon.

Each layer of the laminate structure is made of carbon fibre, the entire area – top and bottom. CARTAN® high-performance carbon was specifically and exclusively designed for **CORE** and **CARVED**. In contrast to conventional carbon fibres the CARTAN® Carbon fibre weave holds the fibres in a performance maximising 30 degree angle. The result is huge flex properties making take offs both simple and effective. The exclusive use of CARTAN® high-performance carbon allows us to significantly reduce the thickness of all Fusions. The Fusion has been radically weight optimised. When you run your finger over the deck you can even feel the typically CARTAN® Carbon fibre structure.



DIAMOND 3D SHAPE

You can see and feel the 3D shape on the surface. Complex diamond-shaped cut-outs have been milled into the underlying wood core. This extra **CORE** effort is not without reason: on the one hand the complex surface structure reduces the weight, on the other hand, the resultant and intelligently arranged crosses increase the torsional rigidity of all Fusion boards. Together with the ultra-thin outside edges, the 'Diamond 3D Shape' provides the perfect combination of flex and stiffness – these two technically diverse elements have been juggled together successfully.



HYDRODYNAMIC BOTTOM CONTOUR

Early planing, high edge grip and agility with the V Double Concave

All Fusion boards have a hydro-dynamically shaped bottom contour. The most distinguishing feature is the central full length 'V' double concave. The interaction of the concave and the 'V' allow greater board width, and thus early planing, without compromising on control. The entire board can be edged at a steeper angle,

which enables effective upwind ability and provides the best edging for jumps. In addition it enables increased smoothness and agility, for example, whilst switching from heel to toe side edge.

Variable bottom curve with channels

Channels are again used on the edge ends. These partial indents allow the realisation of two different rocker lines. If the rider

edges hard, the steeper inside curve is engaged and control and grip are increased. If the board is planing, the flatter bottom curve is engaged which enhances the ability to glide through wind lulls. We have consciously not included any full-length channels on the Fusion, as the drift of the kite means that we never travel in an absolute line and the channels would simply cause unnecessary resistance.

FUSION TECHNOLOGY



TECHNOLOGY TRANSFER AT ITS BEST

CARVED has infused the Fusion with 10 years-worth of custom board building experience.

The Fusion development team worked hand in hand with the perfectionists from **CARVED**, and therefore decades of experience in the construction of surfing and kite boards flowed into the Fusion series. From the choice of the bottom curve to the meticulously tuned flex design - each board size has been individually developed.

RIPPER **THE ALL-IN-ONE** **WAVEBOARD.**



After the last extreme test on Maui, the development team gave the green light to implement the **all-in-one** concept under the **CORE** Brand. The Ripper rips every wave. Everywhere.

In choppy waves or glassy reef waves, big or small, the Ripper is at home in all wave riding conditions. The flex of the board provides control and safety; the thruster setup of the fins guarantees the best drive and direction. This makes the Ripper ideal for strapless riding. Strapless, with only wax under your feet, allows for the most surf like feeling. For aggressive riding, occasional jumps or in heavy beach breaks, the straps can be mounted quickly. A true all-rounder.

PERFECTED SHAPE

To develop this diversity in a board, the Ripper shape was developed by the **CORE** and **CARVED** team riders in both the best waves on the planet, as well as the choppy seas of the North and Baltic

Seas. From Maui's North shore to Fehmarn's Northern coast. Every single size went through a gruelling test marathon.

Thanks to the moderate tail rocker together with more volume in both the nose and tail, the Ripper gets up and planes early, and glides effortlessly through wind lulls. This volume distribution gives you those balanced ride characteristics that you need in turns and jibes. The rails are rounded in the middle and sharper at the tail, for aggressive turns and smooth riding.

ROBUST SANDWICH CONSTRUCTION

The design combines an uncompromising ride experience with robustness. The Ripper is manufactured in a sandwich design to not only withstand high pressure on the water itself, but also any rough treatment whilst being transported on a plane. For increased impact strength, the Ripper is encased in a tough, outer layer of PVC. The core is made of light-weight performance foam, which is surrounded by several layers of glass. This provides the Ripper with a uniquely good ride experience.



MORE THAN 30 YEARS BOARD MANUFACTURING EXPERIENCE

The Ripper is backed by the **CORE** and **CARVED** teams and Bernie Hiss. 10 years of custom board manufacturing experience, from **CARVED**, and over 30 years board manufacturing experience flow into the production of a high-end series board.

ONLY THE BEST ACCESSORIES

We incorporated a high-quality FCS style thruster setup in the Ripper. This has two advantages: firstly, the typical surf feeling achieve, and secondly, should your fins make some unwanted contact with a reef, spare parts are available in almost every surf shop in the world. The straps are up there with the best of them: 'Dakine' straps give you accurate grip whilst maintaining the free surfing feeling.

SIZES

5'8" x 18 1/4"
 5'10" x 18 3/8"
 6'0" x 18 1/2"
 6'2" x 18 5/8"

DELIVERY INCLUDES

Ripper, incl. Straps, Pads and Fins



THE RIPPER IN ACTION
 For Videos
surf.corekites.com





CORE iSUP

EXPLORER**DAS ALL-ROUND iSUP.**

› RELAXED CRUISING AND EXPLORING

› TOURING ALONG COASTS, ON LAKES
AND CANALS

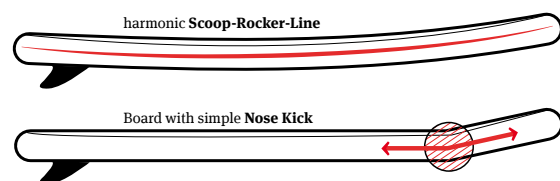
› PERFECT WORKOUT

› WAVE

SUP is the sport that allows you to get on the water anywhere and anytime. It could be off the coast of Maui or on the lake after work. Discover the unbelievable versatility. SUP guarantees fun whilst working out, training everything from your feet to your neck. Whether paddling with friends, children and family, or whilst exploring new spots, its easy to just chill!

EXPLORER – ROCKER-LINE

The Explorer is a fast all-round board with a truly harmonic, scoop rocker line for waves.

**FINS**

3 Fin Thruster setup,
Middle-fin: Removable
CORE All-round Wave Fins

SIZES

Explorer 10'6" x 32" / Volume 241l

Explorer 11'6" x 33" / Volume 262l

**DELIVERY INCLUDES**

- › 3 Fin Thruster setup
- › Middle-fin: Removable
CORE All-round Wave fins
- › High Quality Board Backpack
- › High End Pump (Manual)
- › Repair Kit

THE NEW EXPLORER IN ACTION
For Videos surf.core-sup.com

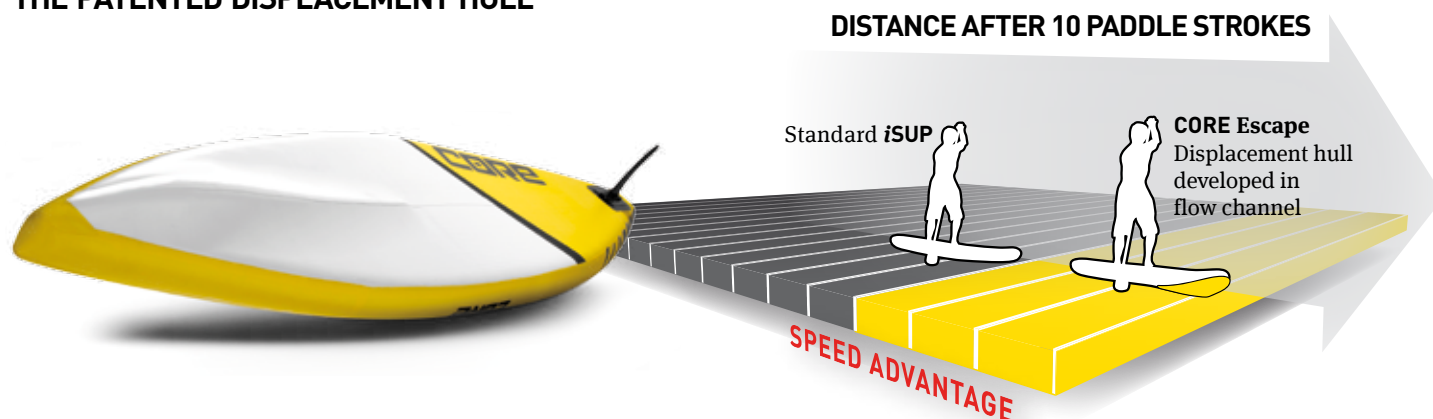


ESCAPE

THE FASTEST iSUP AVAILABLE.

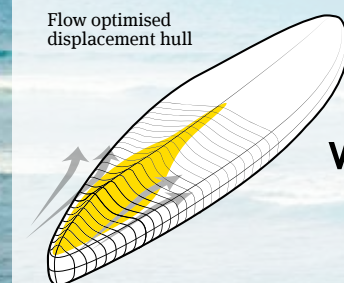
- › RELAXED CRUISING AND EXPLORING
- › TOURING ALONG COASTS, LAKES AND CANALS
- › PERFECT WORKOUT
- › COMPETITION

ESCAPE – HIGH SPEEDS THANKS TO THE PATENTED DISPLACEMENT HULL

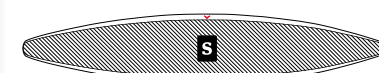
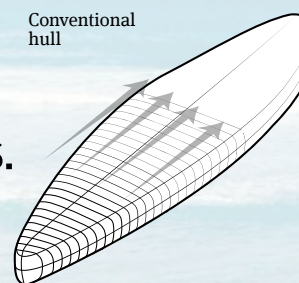


The **CORE Escape** came up against rigid hardboards in both national and international competitions and right at the start of the German SUP Trophy 2013, Normen Weber claimed first prize in the 12'6" Class, on an Escape.

Not only for competition: You decide whether you want the displacement hull to give you an advantage in competition or simply in relaxed paddling whilst touring.



VS.



The „Escape S“ is the extra sportive slim version.

FINs

Removable **Racing Fins**: Drag optimised and extra thin with a 45 degree leading edge

SIZES

Escape 12'6" x 28" / Volume 2591
Escape S 12'6" x 25" / Volume 2461

Escape 14' x 28" / Volume 2821
Escape S 14' x 25" / Volume 2651

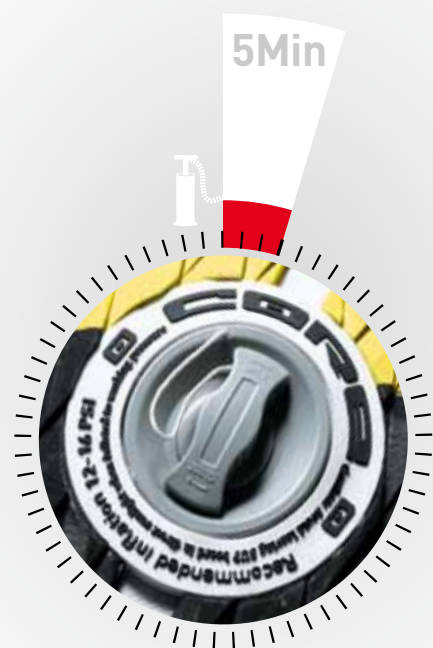


DELIVERY INCLUDES

- › Removable Racing Fins
- › High Quality Board Backpack
- › High End Pump (Manual)
- › Repair Kit

THE NEW ESCAPE IN ACTION
 For Videos surf core-sup.com

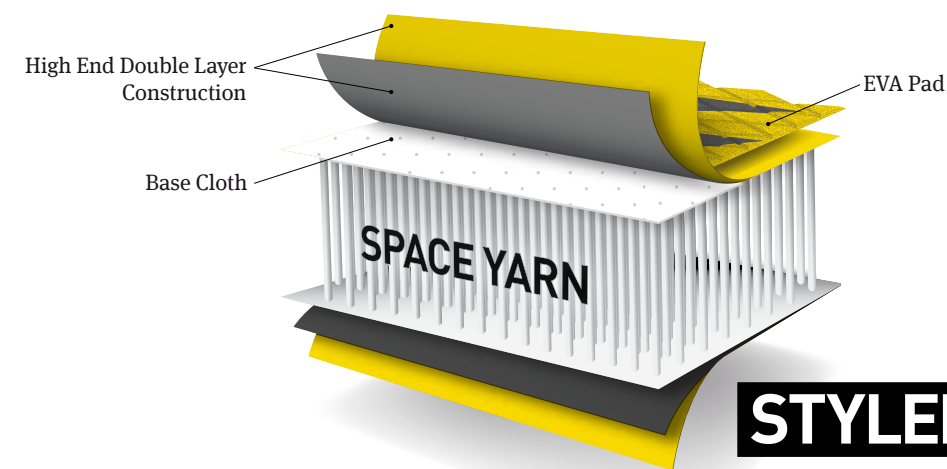




iSUP TECHNOLOGY

CORE INSISTS THAT iSUP – INFLATABLE SUP BOARDS – ARE ULTRA RESISTANT.

Thanks to proven technology and innovative design, modern **CORE iSUPs** are able to match rigid boards in 90% of their applications, even in competition! They are ready to use in 5 minutes and they pack up to barely larger than a kite bag.



PREMIUM CONSTRUCTION AND MATERIALS

We only use the best materials for our **CORE iSUPs**. High-end dropstitch material with a sophisticated double-layer construction gives a 20% increase in wall strength compared to standard boards. All boards have a 6" construction for exceptional rigidity. With the 14' boards, a PVC Stringer provides additional stability. As a result, **CORE iSUPs** don't twist and are extremely robust and durable.

STYLEFINDER

STYLEFINDER	EXPLORER		ESCAPE			
Choose your perfect CORE iSUP	10'6"	11'6"	12'6"	14'0"	12'6" S	14'0" S
MEDIUM WAVE						
SMALL WAVE						
TOURING						
RACE						
SKILL LEVEL	10'6"	11'6"	12'6"	14'0"	12'6" S	14'0" S
BEGINNER						
INTERMEDIATE						
ADVANCED						
PRO						

X-LITE**HIGH-END CARBON PADDLE**

X-LITE

THE HIGH-END CARBON PADDLE, PROVEN IN COMPETITION.

A CARBON MASTERPIECE.

With the X-LITE SUP Paddle we have combined our many years of experience working with Carbon with expert knowledge from the world of paddle sports.

The X-LITES are manufactured in a specialised process that allows us to construct a hollow blade. The grip and the upper segment consist of a single Unibody construction. This not only enables extremely high levels of performance but also gives the X-LITE a uniquely sophisticated look.



Hollow Carbon Blade

12,5°



AIR TECHNOLOGY:

ULTRA LIGHT, ULTRA RESISTANT

Hollow Carbon Blade without unnecessary weight. This makes the X-LITE both ultra-light as well as ultra-resistant. We don't use ABS to get rid of excess weight. The carbon layers are laid up to the rails, which makes the blade exceptionally impact resistant.

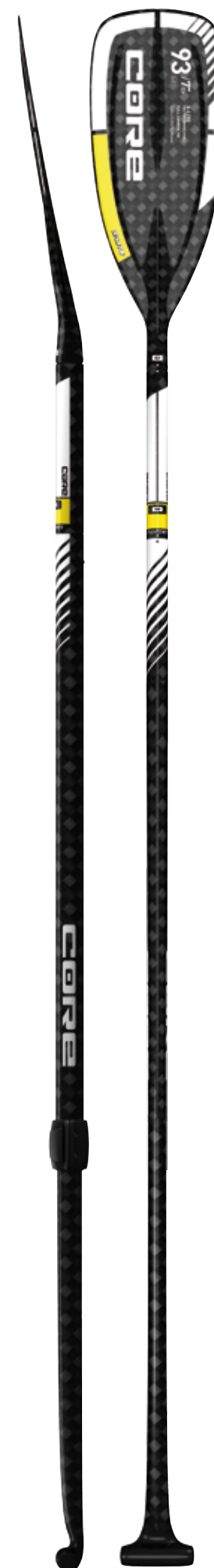


PERFORMANCE BLADE SHAPE: COMPETITION GRADE!

Superbly efficient blade shape for maximum performance. The intelligent design allows for smaller sizes without sacrificing performance. This combination is especially appreciated by performance orientated paddlers.

X-LITE 100
3 piece

X-LITE 100
one



FULL CARBON

The use of high quality material for maximum performance. Three matched Carbon layers in the shaft provide the perfect mix for maximum durability with minimal weight.



ERGONOMIC OVAL SHAFT

More ergonomic, as the oval shaped shaft in the grip region tapers back to circular shaft. The shaft feels comfortable in hand and the optimum grip is intuitive.



OPTIMISED MASS DISTRIBUTION

Unique balance and optimised swing weight. By optimising the blade weight the X-LITES are perfectly balanced. This enables effortless paddling at high repetition.



ADJUSTABLE 3 PIECE

Perfectly matched to our iSUPs, all X-LITES are compact, adjustable and separable. The oval shaft shape allows for a precise fit: no rattling or jerking. The X-LITE can be transported together with the Board in the backpack, safely and conveniently, in the supplied paddle bag.

SIZES

X-LITE 100

100% Carbon, 3 piece,
Fully adjustable

Available Blade sizes:

› 100 sq inch

› 93 sq inch

X-LITE 100 ONE

100% Carbon, 1-teilig

Available Blade sizes:

› 100 sq inch

› 93 sq inch

X-LITE 65

65% Carbon, 3 piece,
Fully adjustable

Available Blade sizes:

› 100 sq inch

X-LITE 35

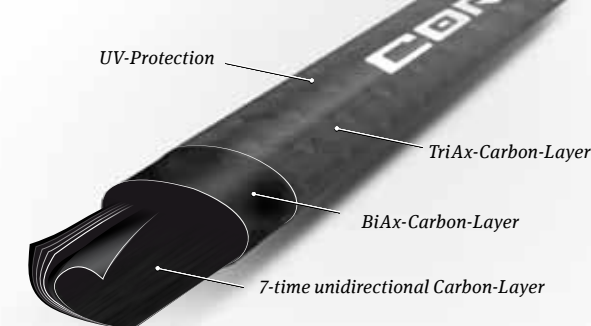
35% Carbon, 3 piece,
Fully adjustable

Available Blade sizes:

› 100 sq inch

DELIVERY INCLUDES

- › X-LITE Carbon Paddle
- › High End Paddle-bag for protection whilst transporting



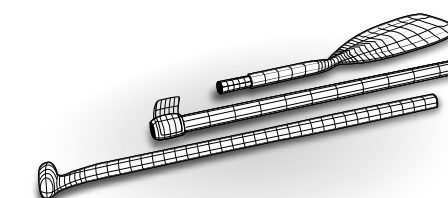
UNIBODY HANDLE

Unique precision and attention to detail: the handle is blown as one piece, along with the last segment of the shaft.



WINNERS' CHOICE

Normen Weber has already won at the *German Indoor SUP Championship* using a **CORE**-Paddle. Normen starts the *German SUP Trophy 2013* with **CORE**-Material. He won the season opener, at Ammersee, with an X-LITE.



EXPERIENCE THE X-LITE IN ACTION
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MARI^(CA)
Marilou Lavallée

Favorite spots

- › Roatán, Honduras
- › Maui, USA
- › Los Roques, Venezuela



BB^(AT)
Christian Passenegg

Favorite spot

- › Cumbuco, Brazil



BEANY^(DE)
Thomas Burlibies

Favorite spot

- › El Yaque, Venezuela



CHRIS^(CH)
Christian Bösch

Favorite spots

- › Paracuru, Brazil
- › Lake Silvaplana, Switzerland
- › Maui, USA



FILI^(AT)
Philipp Zach

Favorite spots

- › El Yaque, Venezuela,
- › Maui, USA
- › Soma Bay, Egypt



TIM^(DE)
Tim Kummerfeld

Favorite spots

- › St. Peter-Ording, Germany
- › Woodies, Australia
- › Barra Grande, Brazil
- › Kegnaes, Denmark



MATZE^(DE)
Matthias Larsen

Favorite spot

- › Haakgat/CPT, South Africa



LASSE^(DE)
Lasse Girolstein

Favorite spots

- › Lancelin, Australia
- › Hawaii, USA
- › Hvide Sande, Denmark
- › One Eye, Mauritius



ROB^(AU)
Robert Kidnie

Favorite spots

- › West Australia
- › Lobitos, Peru
- › Bali, Indonesia
- › Mui Ne, Vietnam



DAVID^(ES)
David Romeu

Favorite spots

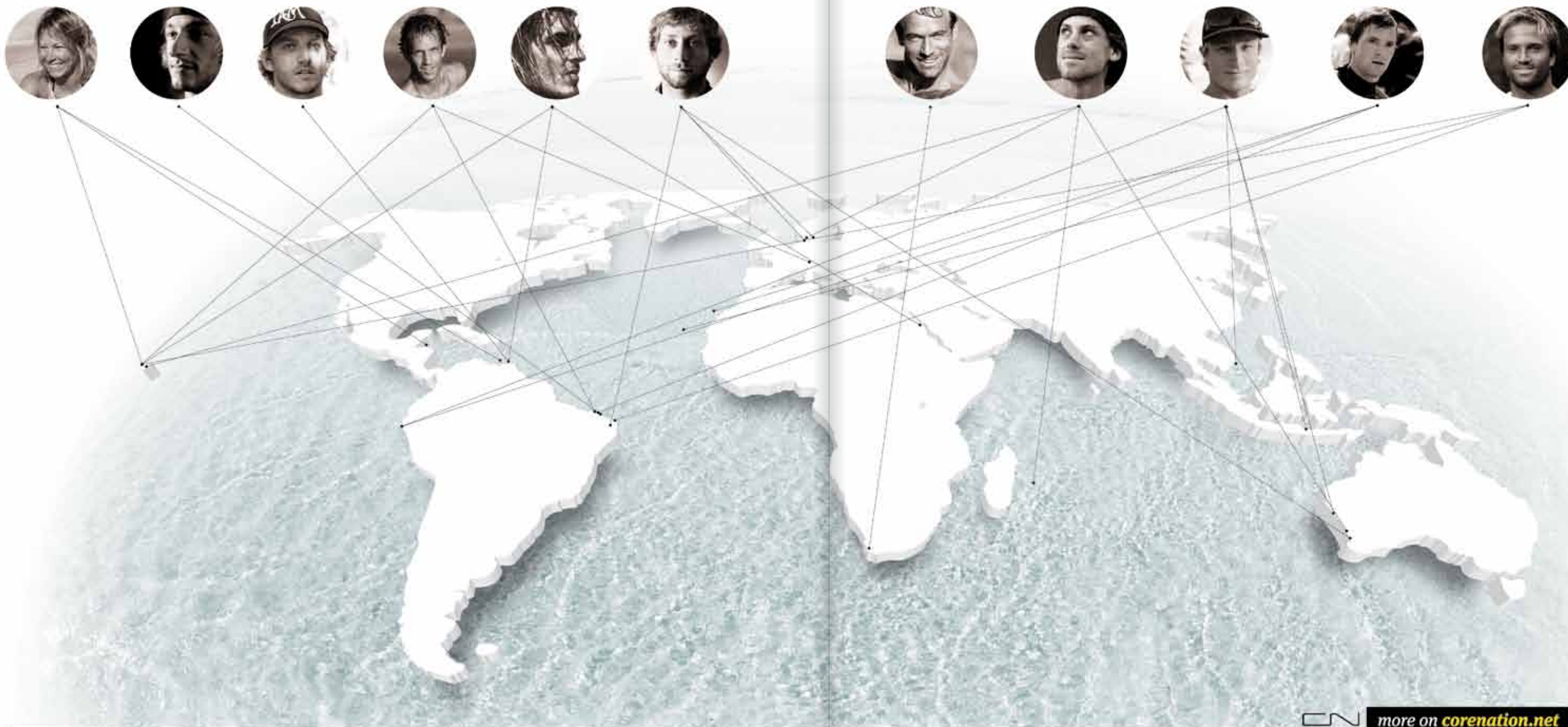
- › Lobitos, Peru
- › Taiba, Brazil
- › Fuerteventura, Spain



KAULI^(BR)
Kauli Seadi

Favorite spots

- › São Miguel do Gostoso, Brazil
- › Maui, USA
- › Sal, Cape Verde



CN more on corenation.net



a Hiss-Tec brand

surf.corekites.com

Performance, Safety, Quality and Service

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11.191058 O

Positive action:

- › Sustainability through quality and high-quality materials
- › Longevity and durability, no annual product cycles
- › Use of nontoxic resins and sustainably harvested wood
- › Sustainability Report for CO₂ reduction
- › Maximise the use of sea transport rather than air transport
- › Local production and testing options used for short distances
- › 100% green electricity from wind or hydropower
- › Social commitment to local education projects
- › Support of needy people
- › Support of the local surf sports
- › Social working conditions and fair pay in external productions

SUSTAINABILITY – ONLY LIP SERVICE?

Sustainability is a big word in the media and is often, unfortunately, too easily used. We shouldn't kid ourselves: the production of kitesurfing and SUP equipment produces pollutants. Transport and travel to the spot, often by plane, produces CO₂ and kites and boards that are recyclable, durable and of a sufficient performance level are, unfortunately, not available as yet.

To act responsibly for us means to contribute where we can. We see ourselves as a major contributor in the longevity and durability of our products. Short annual model cycles have always been taboo to us, just

like short-lived fashion products. Instead, quality is our main driver. Our products are developed and tested with a lot of attention to detail. We value high quality components and materials, and should repairs be required we guarantee the supply of spare parts for a period of 6 years.

This year we used an external consulting company to measure our CO₂ emissions with the stated objective of reducing them. Our exclusive use of green energy in our headquarter and production on Fehmarn has an immediate impact on our CO₂ emission levels. Short travel distances

on Fehmarn Island for testing avoid long air travel and also contributes to actively reducing emissions. Wherever possible we utilise sea transport. Our **CARVED** Boards are made with non-toxic resins and sustainably harvested wood for the cores. Wood off-cuts are processed into pellets.

Sustainable action is not restricted only to ecological awareness, but also includes the responsible and long-term dealing with our people and with our company. This includes our customers, employees and partners. At our external production facilities, Hiss-Tec focuses on social working

conditions and fair remuneration of workers, including overseas projects. Locally, on Fehmarn, the company actively contributes to the education and care of needy people and supports the local surf sports.

Our entire ethos and thinking at Hiss-Tec is long term. This includes responsible and conscious business practices that will allow our employees to have fulfilling long term employment. The company was, after all, founded to enable people to live out their passion for surfing.

IMPRINT

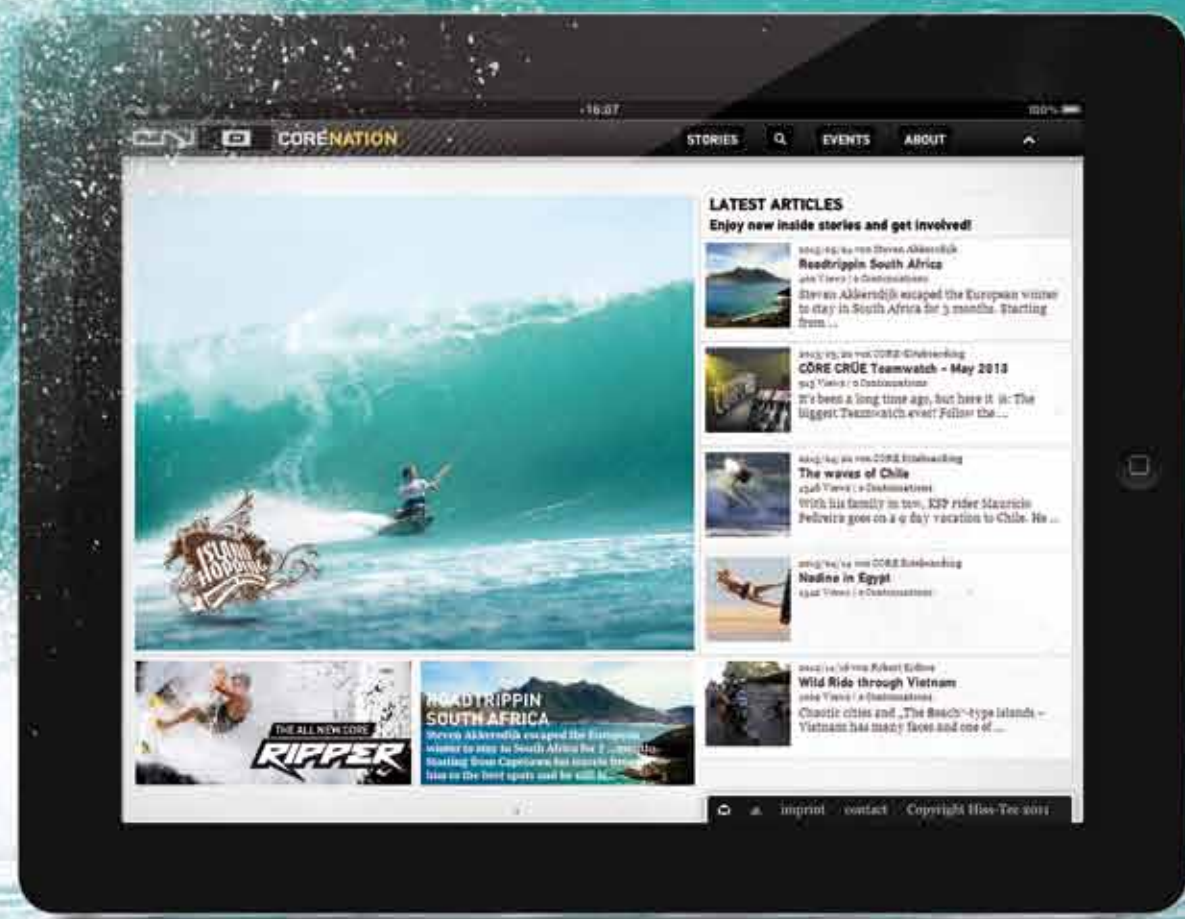
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*Printed climate-neutral
in Germany:*

ClimatePartner
klimaneutral
Druck | ID: 10659-1308-1005



 **CORENATION**

THE ONLINE PLATFORM FOR ALL CORE RIDERS

surf corenation.net for travel stories, tuning-tips for your gear and our team rider blog





Performance, Safety, Quality and Service.
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