



# CORE

Product Guide 2015/2016







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# ”Up close to the core of kitesurfing.”

COMPANY CHIEF BERNIE HISS, 47, FEHMARN, GERMANY,  
THE ORIGIN AND MEANING OF THE NAME CORE

It takes a good ten minutes to get to the north western beaches of our Island. When the west wind blows there will be a lot of first class wave kites ripping in the clean reef waves. It also takes a good ten minutes to get to 'Orther Reede', a massive, knee deep freestyle paradise, with no equal. On many days we see more than a hundred kites in the sky. No doubt about it, Fehmarn is, next to Kiel and St. Peter-Ording, the center of kitesurfing in Germany and we are in the middle of it. It would be difficult to get closer to the core of this most beautiful sport anywhere else in the world. When I established the brand in 2007 the name was therefore pre-ordained as CORE. The CORE concept is not only related to the physical location, but to all our 18 employees, in the company and development center on Fehmarn as well, where kitesurfing is more than just a job – it's a lifestyle.

The CORE concept also relates to development. From the outset we concentrated exclusively on the core of kitesurfing products, such as kites, bars, boards and nothing else; no fashion, no neoprene, nothing frivolous and above all, no sprawling model range. A part of the core of kite surfing, in my opinion, is to spontaneously drive to a spot, with little luggage. This is only possible with kites and boards that are able to cover many conditions and have the widest possible wind range, and this is exactly the goal that we strive for at every step in the development of CORE kites and boards.

The high level of demand for our products speaks to the success of this strategy. In Germany and Europe, CORE holds the number one position, with the Riot XR3, GTS3 and Fusion all leaving our warehouse as fast as we can produce them. Feedback from the kite

market is telling us that we are right on track. So we have come full circle. Whenever we go to the beach, we get a lot of praise and, obviously, also some unfiltered criticism, however it's exactly listening to this that has made us take decisive steps in the past. And so, these inputs flow from the core of the kiting community directly into the development of the CORE brand. This tight integration has led to CORE – as Carved has since 2001 – becoming the hallmark of uncompromising innovation, the most modern technology and the highest quality. Whenever you hit the water with a CORE kite or board, you'll feel it. I wish you a lot of fun with it – and obviously also with your discovery of our brand new kites, bars and boards, which we have presented in detail on the following pages.

*Rip hard!*

*Bernie Hiss*

*Hiss-Tec · since 1981*





# PERFORMANCE.

Everyone is talking about performance, more performance, and maximum performance, but what does this actually mean for a kite? Hangtime or riding upwind? Turning speed or depower? Truthfully, all aspects must work together. The best kite is the kite which doesn't feature an "or" and where you don't have to think and over-think before a session or have to switch kites mid-session. This is why at CORE we don't think in terms of categories. We deliberately focus on a small number of kite and board models that are fundamentally suited to all riding disciplines, whilst setting a benchmark in all of them. That is our definition of high performance at CORE.





# DEVELOPMENT.

Our head office is located in the middle of the windy and sunny island of Fehmarn. Surrounded by dozens of kite spots that work in all wind directions and conditions. This makes CORE Germany's only kite manufacturer situated near the sea, and we use this advantage passionately. Year round, hardly a day goes by when the CORE development team doesn't spend their time between the computer and the beach - driven by personal passion, decades of experience and valuable feedback from the heart of the scene. We give this mix of enthusiasm and experience exceptional time, by testing away on all the oceans and in all conditions around the world to ensure our product is 100% perfect. Due to this dedication CORE is the only kite label in the world that works to a multi-year product cycle, driving unmatched levels of innovation. This is exactly how we understand kite development "Made in Germany".



# QUALITY.

When it comes to the selection of material for our kites, bar systems and boards, we don't compromise. We leave no stone unturned in developing perfect solutions for the most beautiful sport in the world, and we've been doing this for more than 15 years. Everything started with Carved, the undisputed leader in kiteboard technology. CORE has long become a driver for innovation itself, with triple-rip-stop CoreTex® kite material, our extremely break resistant lines that always do well in third party testing or even the leading edge being triple stitched instead of using heavier Dacron. Whenever the best just isn't quite good enough for us, we simply develop something new, like the brand new SUPPORTED SINGLE FRONTLINE SAFETY, the ROTOR release system or the extremely light SENSOR bar system. All these examples are of outstanding CORE innovation and quality.





# SERVICE.

Kitesurfing is a sport for individuals, but sometimes it's more fun with friends. With CORE this doesn't only apply when launching and landing on the beach or with the after session beer, but also in service. Our service team is always there for you, whether it's individual information or spare parts that you need. Thanks to the telephone hotline we'll get you back onto the water in a flash, even when it comes to the older CORE models. Our CORE PARTS program guarantees the availability of spare parts for a full six years after purchase - worldwide. More detailed information on the extensive CORE service program can be found on page 62.





# KITES

FREESTYLE - WAKESTYLE - FREERIDE - WAVE - RACE



GTS 3

Freestyle / Wave / Freeride  
**p.14**



GTS 3 LW

Lightwind-Freestyle / Wave / Freeride  
**p.24**



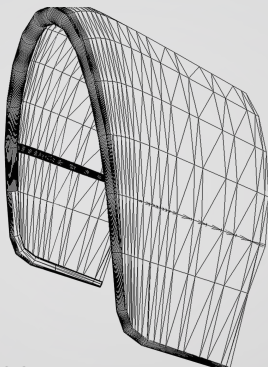
RIOT XR3

Freeride / Freestyle / Wave / Race  
**p.20**



RIOT XR3 LW

Lightwind-Freeride / Freestyle  
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KITE TECHNOLOGY

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# GTS<sup>3</sup>

THE SPORTY  
ALL-IN-ONE-KITE

FREESTYLE - WAVE - FREERIDE

GTS3

## RADICALLY PRECISE, INCREDIBLY VERSATILE.

You will be awestruck the first time you fly the new GTS3. This kite is so direct and agile that you may be wondering whether the steering is being directed via high speed WLAN, and not by the bar and lines. The kite is always predictable with clean, round turns. These are exactly the characteristics that freestylers appreciate and expect with the good old C-Kite feeling. This kite has been developed with them in mind, over the past two years, and the result is the perfect wave, kiteloop and unhooked machine.

Surprisingly, the GTS3 is also the optimal kite for all other kites, due in part to the wide square tips and the even deeper Future-C cut, which in turn make this brand new third generation GTS3, more than ever, a true all-in-one kite. This is evident with the huge big air performance and the all-round high levels of comfort and freeride potential.

Hook yourself, or rather log yourself, into the most progressive kite that CORE has ever built.



CoreTex®

The fabric exclusively developed for CORE is protected and strengthened with three different coating processes. In this way CORE TEX® sets new records in load tests, tear resistance, longevity and UV protection. This is noticeable during your session thanks to the crispness experienced whilst flying your kite, and another reason why CORE TEX® was the obvious choice for the GTS3.

FUTURE-C SHAPE

C-Kite feeling at its best. Even though the GTS3 is incredibly fast and direct in turns, the kite still remains easily controllable throughout. This is thanks to the proven Future-C, which has been cut even deeper on the GTS3, resulting in a precise and predictable turning radius.

3-STRUT FRAME

Two less struts results in two additional advantages. Firstly, the GTS3 now turns faster and more directly, with new levels of performance being achieved, especially with kiteloops and wave riding. Secondly, it's noticeably lighter and more perfectly balanced. Whenever the lines lose tension the GTS3 holds its position.

HF-DACRON

A sophisticated mix of materials. Parts of the kite fabric and the tips of the GTS3 have been precision finished to a defined percentage, with our new HF-Dacron. HF stands for Hard Finish; a harder and coated Dacron variation that stiffens the kite skeleton in the relevant areas. It also optimizes the energy distribution of the steering input into the kite fabric.

RADICAL REACTION TIPS

The tips of the GTS3 are pure precision. Thanks in part to a noticeably thinner, specifically defined flight profile and a newly designed trailing edge, they have been optimized for agility with the 3-strut construction. A further reason why turning input is instantly transferred without hesitation.

SHORT BRIDLE SYSTEM

Short process. The super short bridle system is another deciding factor allowing the GTS3 to transfer rider input quickly and directly. The bridle geometry has once again been revised and with this the GTS3 has become, more than ever, a wave and kiteloop machine.

INSTANT AUTO RELAUNCH

Back up in the air in an instant. Thanks to the SUPPORTED SINGLE FRONTLINE SAFETY the GTS3 will automatically fall back into the perfect start position after release or water contact. And thanks to its new geometry the kite will make light work out of any water situation – perfect for freestyle, wavekiting and for beginners to intermediates.

SPEED VALVE 2

Take a deep breath in, then out. The GTS3 valve will accept all standard pump hoses without attachments. This provides the Speed Valve 2 with the largest physically possible flow of air. It's simply not possible to pump up a kite with less effort and in less time. Even deflating the kite is noticeably quicker and easier too.

GRINTEX® PATCHES

Abrasion resistant front tube. Thanks to the new extreme abrasion resistant patches on all the seam segments of the front tube and the struts, you can worry even less about the ground under your GTS3.

SPEED PUMP SYSTEM

Start even faster. The distribution hoses of the One Pump System have larger diameters. The entry points to the struts have also been more aerodynamically distributed, making the air distribution system work more effectively and more comfortably, resulting in stunning inflation and deflation times.

CORE INTELLIGENT TRIM SYSTEM [CIT]

Thanks to the CIT there is no riding style or level that the GTS3 cannot be customized to. You can adjust the kite bar feedback on the outer bridle lines. The turning speed of the GTS3 can be adjusted at the kite tips. This trimming is easy and intuitive. You simply move a little knot.

INTELLIGENT ARC

More lift and hangtime. With the XR series CORE has proven its big air competence over and over again. This knowledge has now also been translated into the design and construction of the GTS3. Thanks to the optimization of the C-cut and the bridle system geometry, the GTS3 displays an extremely effective and comfortable power/depower ability, together with crazy levels of lift and hangtime.

SENSOR BAR SYSTEM

The GTS3 is perfectly matched with our brand new bar systems, the SENSOR 2 bar and the SENSOR PRO bar. Both offer the superior safety of the SUPPORTED SINGLE FRONTLINE SAFETY (SSF), where the kite is released without pressure on one frontline and with partial release on the other frontline, resulting in the kite being automatically positioned in the optimum position for a relaunch. You can get more details on this unique feature, as well as the other advantages of the lightest bar in the world, from page 32. Naturally, the GTS3 is also 100% compatible with all the older CORE bars.



6 YEARS PARTS GUARANTEE

Ready for a long kite life. The GTS3 is especially robust and has been built with longevity in mind. All of its components will be available worldwide for at least the next six years from date of purchase. This is more than just a promise, with CORE, this is guaranteed.

THE GTS3 IN DETAIL

The brand new three strut construction of the GTS3 is revolutionary rather than evolutionary. Nevertheless GTS fans will instantly feel right at home. They will however be amazed at the playful precision, the noticeable improvement in the unhooked characteristics, plus the incredible lift and hangtime. We'll show you how all of this was fitted into one kite on this page.

Stylefinder

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

Skill level

Professional	■
Expert	■
Intermediate	■
Beginner	■

Delivery includes  
GTS3 Kite with High Performance Kitebag,  
Repair Kit Pro and Manual



	Kite	Beaufort	Knots	Price*
	GTS3 5.0	6 - 8	23 - 40	949,- EUR
	GTS3 6.0	5,5 - 8	20 - 36	979,- EUR
	GTS3 7.0	5 - 7	17 - 33	999,- EUR
	GTS3 8.0	4,5 - 7	15 - 30	1.099,- EUR
	GTS3 9.0	4 - 7	13 - 28	1.149,- EUR
	GTS3 10.0	4 - 6,5	12 - 26	1.249,- EUR
	GTS3 11.0	3,5 - 6	11 - 24	1.299,- EUR
	GTS3 12.0	3,5 - 6	10,5 - 23	1.349,- EUR
	GTS3 13.0	3 - 5	10 - 22	1.379,- EUR
	GTS3 14.0	3 - 5	9 - 21	1.449,- EUR
	GTS3 LW 15.0	3 - 5	9 - 20	1.549,- EUR
	GTS3 LW 17.0	2,5 - 5	8 - 19	1.599,- EUR

\* recommended retail price



For me, perfect kite days are those when the wind is really pumping and it's then I hear a little voice in my head whisper, "Go for the Mega Loop Late Back Roll". The natural tendency here is to pull out halfway, so I have to use all my strength and will power to complete the move and it really helps here to have total faith in myself and my equipment, as these conditions can unleash nature's full fury.

The moment I decide to go for it, I race across the water, adrenalin pumping, looking for the perfect ramp and once I've spotted it I edge hard. At the same time as feeling the pressure build under my board, I pull in the bar and the kite rips me high in the sky. With the waters surface far beneath, I release a hand from the bar and send the kite into a loop. There is no turning back! Luckily it all happens very quickly so there is little time to think. As soon as I feel the pull of the loop I throw myself into an inverted back roll, where, when the kite reaches its lowest point, I am positioned head down in line with the kite. At this point your totally committed and have no choice but to carry on with the rotation. Once I'm in an upright position again I venture a sneak peak at the kite to verify how far the kite is through the loop. An instant here determines everything; either sheer joy or uncontrollable panic. If everything goes to plan the kite will be positioned at the top of the window, where it catches up to me and we make our combined descent back to the surface. Even now there is no time to relax as the loop has given me a lot of momentum and the landing is therefore going to be a high speed affair. After the first impact with the surface, I lean back aggressively to regain stability and steer the kite back into the wind window. This is the point where it's difficult to maintain composure, due to the intensity of feelings that are simply indescribable. These are the moments that not only make kiteboarding worthwhile, but make life worthwhile too.

HEIGHT: 198 cm  
WEIGHT: 85 kg  
HOMESPOT: Workum, The Netherlands  
KITE: GTS3 8 und 17 m²  
LINE LENGTH: 20 m  
BOARD: Carved Tantrum 142x43

”On these days, I ride to the spot with butterflies in my stomach“

STEVEN AKKERSDIJK, 21, DUTCH,  
TALKING ABOUT HIGH WIND SESSIONS AND  
THE MEGA LOOP LATE BACK ROLL



**RIOTXR<sup>3</sup>**

THE CROSSRIDE KITE.

FREERIDE - FREESTYLE - WAVE - RACE

RIOT XR3

# AIRTIME BEAST WITH PREMIUM COMFORT

Get ready for two very special experiences. Firstly, the explosiveness of the jump and the hangtime that this kite produces. Secondly, how unbelievably easy both are to control. The XR3 does not only display clean and quick turning ability, but also a unique mix of high performance and comfort. The inspiration comes directly from nature. As a bird is able to glide without flapping its wings for long durations of time, so too the Riot XR3 spreads its wings when the bar is pulled in. We call this principle 'Intelligent Arc' and it is one of the secrets behind the success of this kite. In the extended wing position, the Riot XR3 glides supremely and easily flies upwind. Interfering shear forces are no longer an issue, resulting in super easy and precise jumps. When fully powered the Riot XR3 becomes a no compromise big air machine, producing extreme height and flight times. Conversely, the projected surface of the kite is reduced when depowered, like a flying bird. This adds to the agility of the kite when depowered and allows for precise turns, a characteristic that makes the Riot XR3 ideal for wave riding. This sophisticated wingbeat provides the unique crossride character (XR) of the Riot XR3, making it a kite for all levels and applications. You decide, with the smallest bar movement, how hard or gentle the Riot XR3 performs.



5-STRUT FRAME

A strong, muscular body needs a robust skeleton. This is exactly why the Riot XR3 has been built on the classic, bomb proof, 5 strut frame. This is the only way to ensure the maximum canopy stability and to ensure the optimum tension distribution over the entire surface when the Riot XR3 spreads its wings and unleashes its full power.

DELTA BOW SHAPE

The optimum mix of the best kite genes. The Riot XR3 has inherited the concave trailing edge from the bow shape and the swept back narrow tips from the delta shape. This combination allows for a large depower range, produces lots of power for big airs, together with good upwind riding and an early glide ability, whilst forming the foundation for the unique Intelligent Arc principle.

INTELLIGENT ARC

The wingbeat principle. The kite profile and the specialist bridle construction combine with the Riot XR3 in an unbeatable system that when you pull the bar down, the kite tips extend like a wing and when you push the bar away again, the wing tips go back down. In this manner the Riot XR3 changes its projected area by more than ten percent. This has a huge impact on the flight performance. Depending on the bar position the Riot XR3 is either a big air and upwind riding machine or a calmer, highly agile precision instrument. The transition is finely controllable and very linear.

CoreTex

Triple protection fabric. The fabric exclusively developed for CORE is protected and strengthened with three different coating processes. In this way CORE TEX® sets new records in load tests, tear resistance, longevity and UV protection all with very little elongation. This is noticeable during your session thanks to the crispness experienced whilst flying your kite.

THE RIOT XR3 IN DETAIL

The reason for the unique combination of high performance and comfort lies in a finely tuned interplay between the classic five strut frame and the variable flight profile 'Intelligent Arc'. Let's take a look at the technology behind it, as well as the other innovations of the Riot XR3.

Stylefinder		Skill level
Freeride / Easy Riding / Hangtime	●●●●●	Professional —
Freestyle / Big Air	●●●●●	Experienced —
New School / Wakestyle	●●●●○	Intermediate —
Wave	●●●●●	Beginner —
Race	●●●●●	

Delivery includes  
Riot XR3 Kite with High Performance Kite Bag,  
Repair Kit Pro and Short Manual



	Kite	Beaufort	Knots	Price*
	Riot XR3 5.0	6 - 9	22 - 42	949,- EUR
	Riot XR3 6.0	5,5 - 8	20 - 38	979,- EUR
	Riot XR3 7.0	5 - 8	17 - 35	999,- EUR
	Riot XR3 8.0	4,5 - 7,5	15 - 33	1.099,- EUR
	Riot XR3 9.0	4 - 7	13 - 30	1.149,- EUR
	Riot XR3 10.0	4 - 6,5	12 - 28	1.249,- EUR
	Riot XR3 11.0	3,5 - 6,5	11 - 26	1.299,- EUR
	Riot XR3 12.0	3,5 - 6	10 - 24	1.349,- EUR
	Riot XR3 13.5	3 - 5,5	9 - 22	1.399,- EUR
	Riot XR3 LW 15.0	3 - 5	8 - 20	1.599,- EUR
	Riot XR3 LW 17.0	2,5 - 5	7 - 19	1.649,- EUR
	Riot XR3 LW 19.0	2,5 - 5	6 - 18	1.749,- EUR

\* recommended retail price



SPEED VALVE 2

Take a deep breath in, then out. The Riot XR3 valve will accept all standard pump hoses without attachments. This provides the Speed Valve 2 with the largest physically possible, flow of air. It's simply not possible to pump up a kite with less effort and in less time. Even deflating the kite is noticeably quicker and easier too.



6 YEARS PARTS GUARANTEE

Ready for a long kite life. The Riot XR3 is especially robust and has been built with longevity in mind. All of its components will be available, worldwide, for at least the next six years from the date of purchase. This is more than just a promise, with CORE this is guaranteed.



SPEED PUMP SYSTEM

Start even faster. The distribution hoses of the One Pump System have larger diameters. The entry points to the struts have also been more aerodynamically distributed, making the air distribution system work more effectively and more comfortably, resulting in stunning inflation and deflation times.



CORE INTELLIGENT TRIM SYSTEM (CIT)

The amount of bar pressure and the turning speed of the kite are, to a great extent, to personal taste. That is why the Riot XR3 will adjust effortlessly to rider preference. With the help of the CIT you can adjust the kite bar feedback on the outer bridle lines and the turning speed at the kite tips.



INSTANT AUTO RELAUNCH

Back up in the air in an instant. The new geometry of the kite will make light work out of any water situation – perfect for freestyle, wavekiting and for beginners to intermediates. Thanks to the SUPPORTED SINGLE FRONTLINE SAFETY the Riot XR3 will automatically fall back into the perfect start position after release or water contact.



SENSOR BAR SYSTEM

The Riot XR 3 is perfectly matched with our brand new bar system, the SENSOR 2 bar and the SENSOR PRO bar. Both offer the superior safety of the SUPPORTED SINGLE FRONTLINE SAFETY (SSF): The kite will be released, without pressure, on one front line and with partial release on the other frontline, resulting in the kite being automatically positioned in the optimum defined position for a restart. You can get more details on this unique feature, as well as the other advantages of the lightest bar in the world, from page 32. Naturally, the Riot XR3 is also 100% compatible with all the older CORE bars.





**GTS<sup>3</sup>** LIGHTWIND  
LIGHTWIND-FREESTYLE - WAVE - FREERIDE

**RIOTXR<sup>3</sup> LW**  
LIGHTWIND-FREERIDE - FREESTYLE

RIOT XR3 AND GTS3

# EARLY KITING RATHER THAN GLIDING

There are very few other wind sports that require as little wind as kitesurfing. The Riot XR3 and the GTS3, in their LW versions of 15, 17 and 19 sqm, have proven that you can really enjoy yourself in even the lightest of breezes. They don't only get going early, but they also turn quickly and directly from the outset. This amount of agility and reactivity in the large square metre realm can only be found at CORE. In conjunction with the crisp and precise bar feedback from the SENSOR bar system, you're invited to have fun and even freestyle, in as little as 10 knots. With the lightwind kites from CORE, there is now definitely no other wind sport that allows you to have so much fun as soon as kitesurfing. Bring a smile to your face while others sit on the shore.





Stylefinder		Skill level
Freeride / Easy Riding / Hangtime	●●●●●	Professional
Freestyle / Big Air	●●●●●	Experienced
New School / Wakestyle	●●●●●	Intermediate
Wave	●●●●●	Beginner



In lightwinds, every gram of weight counts. The 3-strut design therefore has distinct advantages from the start. With two less struts it makes the kite not only lighter but gives greater flexibility, which in turn allows for a quicker kite response to rider input, an important, and much welcomed, feature for the larger LW kites, not only for when getting into those early freestyle sessions.



SLIM STRUTS

The Riot XR3 and GTS3 have thinner tubes than the smaller kites in their respective ranges and benefit from this in three different ways. Firstly, the tubes have been designed using less material, so therefore weigh less. Secondly, the tubes are thinner, making the kites more flexible, which in turn allows for a quicker response time to a rider's input. And thirdly, the tubes have been redesigned and adapted to have an optimum flight profile, which in turn lets you go upwind even earlier and more effectively.



SPEED PROFILE

The LW versions have much flatter flight profiles, allowing the Riot XR3 LW and GTS3 LW kites to accelerate faster and generate their own apparent wind, which, in combination with the ground wind, results in additional propulsion. This design also allows for reduced wind resistance and unwanted side sheer, resulting in both LW versions going upwind extremely early and effectively.



ULTRA LIGHT TIPS

With both LW versions we have reduced the use of the heavier Dacron material to just a few areas in the tips, a small area behind the leading edge and also on the trailing edge. Basically all areas that are considered to need special protection during launching and landing.



5-STRUT FRAME

The Riot XR3 LW proves that five struts definitely make sense in the lightwind segment. It compensates for the additional weight, with optimized power distribution and stability, transforming the lightest puff of wind into powerful propulsion. Even with the immense power and early glide ability, the kite is unbelievably direct and lively. Here the Riot XR3 LW clearly benefits from the proven 'wingbeat' principle - Intelligent Arc.



Stylefinder		Skill level
Freeride / Easy Riding / Hangtime	●●●●●	Professional
Freestyle / Big Air	●●●●●	Experienced
New School / Wakestyle	●●●●○	Intermediate
Wave	●●●●○	
Race	●●●●●	Beginner

## THE LIGHTWIND VERSIONS - A DIRECT COMPARISON

At first glance the LW versions of the Riot XR3 and the GTS3 are more similar than in the smaller sizes. Their flight characteristics, however, clearly reveal their different genes. Whilst the Riot XR3, with its massive amount of power, makes for a very comfortable pull and go kite for all rider levels, the GTS3 LW, with its typical C-Kite feel, makes for playful freestyle and early unhooked sessions. All the more surprising is that the GTS3 LW, with some active flying, will get going as early as the Riot XR3 LW. Technically, the LW versions build on the concepts and features of their smaller brothers, but differ slightly in their quest to loose weight in construction with thinner tubes, our patented flight fabric CoreTex® Light and less Dacron on the kite tips.

**Delivery includes**  
Riot XR3 or GTS3 Kite with High Performance Kite Bag,  
Repair Kit Pro and Short Manual



Kite	Beaufort	Knots	Price*
GTS3 LW 15.0	3 - 5	9 - 20	1.549,- EUR
GTS3 LW 17.0	2,5 - 5	8 - 19	1.599,- EUR
Riot XR3 LW 15.0	3 - 5	8 - 20	1.599,- EUR
Riot XR3 LW 17.0	2,5 - 5	7 - 19	1.649,- EUR
Riot XR3 LW 19.0	2,5 - 5	6 - 18	1.749,- EUR

\* recommended retail price



Our patented and extremely durable fabric CoreTex® has been redesigned specifically in a light weight version for use in the LW models. The weave is more spread out, which results in a weight reduction. This considerable reduction in weight becomes very apparent from the 15 sqm Riot XR3 LW. When it comes to durability there is no compromise with CoreTex® Light. The high-tech fabric is manufactured to a strict production process, using a special triple coating process. In this way the fabric of the LW versions achieves top marks in breaking strength, tear resistance, durability and UV protection.



# KITE TECHNOLOGY

ONLY THE BEST MATERIAL & STANDARDS: "MADE IN GERMANY"

Kite development at CORE is driven by two fundamental objectives; maximum fun on the water and extraordinary reliability. Both of these objectives can only be achieved by firstly, the consistent selection of high quality materials, and secondly by processing them in a specific and comprehensive manufacturing process that is subjected to strict, minimum tolerance, levels of quality control, in both development and production. In this way we ensure that CORE still continues to set the benchmark for quality standards, that it is already reputed for. This requirement is extended to each and every individual model and also means that we don't just develop one model size, but rather that each individual kite size in the model range is developed independently. Here are the main components and construction details of the CORE kite models GTS3 and Riot XR3.

## CORE TEX® TRIPLE RIPSTOP

The new CoreTex® Triple Ripstop fabric is both very dimensionally stable and hardwearing, with a unique to CORE manufacturing process. Firstly, all single fibres are dipped in a coating before they are woven and then finally heated to achieve the calender finish. This process ensures that every single fibre strand is sealed, so it won't absorb water, even after prolonged use. The triple security fibre of the Ripstop material makes the fabric tear resistant and noticeably increases durability in breaking load, permeability and UV protection.



## TRIMMING: CORE INTELLIGENT TRIM SYSTEM (CIT)

The CORE Intelligent Trim System allows you to alter the flight characteristics of your CORE kite in three ways. Firstly, the turning speed can be adjusted from middle to super-fast. Secondly, the bar feedback levels can be set between medium and super-direct. And thirdly the bar pressure, between super-light and medium. In fact, you can customize the settings to suit your individual and session needs within seconds and without the need for any special tools. All you have to do

is move a small knot. The kite's factory settings are ideal for 90% of all kites.

## SHORT BRIDLE SYSTEM

All CORE bridle lines are based on the same double V-geometry, with four-point suspension, allowing for a short design that has an extremely direct response behaviour. This allows for a unique level of reaction, providing an agile and direct flight to steering input. In addition to that it also leads the kite into the reliable face to face position when the safety release is activated, making for a super-quick water relaunch. The bridles, which are finished off in Germany, contain a Dyneema core with a high load capacity that is protected by a tightly woven polyester casing. The abrasion resistant line coating prevents sand entering the lines.

## SPEED PUMP SYSTEM

All struts are directly linked to the air supply of the front tube. It is therefore possible to fully inflate a CORE kite through the main valve on the front tube, which is even easier now that the distribution hoses of the One Pump System have larger diameters. The entry points to the struts have also been more aerodynamically distributed, making the air distribution system work more efficiently. Both setup and packing down are now super easy and quick.

## BLADDER

New top quality bladders are produced in a sterile development and production facility in Germany. This ensures longer periods of constant pressure and less material waste during production.



## SEAMS

The seams are a key component when it comes to the durability and longevity of a kite. As a result CORE has kept to the following maxim in their development over the years: not one stitch goes through plain fabric. In a CORE kite every seam is glued and doubled up at the very minimum. In addition, a new needle is used for the production of each and every new front tube, to guarantee a consistently accurate stitch pattern. Our work on the front tube and trailing edge is even more complex. The so-called CORE Powerseam is utilized on the front tube. This is a quadruple folded seam that is able to withstand high pressure without a hitch. On the trailing edge six layers, with extremely high resistance levels, are ready to stand the test of time.

## HF-DACRON

We use the so called HF-Dacron on the tips, and around the leading edge and struts. HF stands for "Hard Finish" and refers to a new Dacron variant which is coated to be tougher and more robust.



This not only improves longevity, but also the flight profile and power distribution. The kite reacts crisply and more directly to steering input.

## GRINTEX® PATCHES

All contact points of the kite on the front tube are protected with the all-new Grintex® patches. This is a highly abrasion-resistant and water-repellent plastic that supports and protects the transitions between the segments of the front tube, whilst also adding to the flight stability of the kite profile.

## PULLEYS AND SLIDING BLOCKS

Stainless steel pulleys operate at the lower levels of the bridle system. Because this area is affected by maximum loads, we have avoided ball bearing type structures, to ensure reliable functionality in extreme situations. On the second level, the pulling forces of the bridle system are distributed over weight optimized pulleys. These components are all manufactured in Germany and feature excellent glide performance and stability.





”It feels like  
being on a rack.”



TIM KUMMERFELD, 24, GERMAN,  
ABOUT THE S-BEND 3

My number one trick is the S-Bend 3. This is a S-Bend followed by a Backside 360 Handle Pass. It is my number one trick because it's insanely fun. No matter what other tricks I'm currently training for I'll always throw one in or even ten S-Bend 3's in a session. This trick really gets my adrenalin pumping, especially when I'm totally overpowered with a 10 sqm or smaller kite. On my approach, I'll accelerate and build up my speed to the max, whilst parking my kite as low as possible. Kicker waves make for the perfect jump point, so I'll push off them with as much power as possible, resulting in the maximum amount of height for my stretched out raley. Height is the key to this trick. The forward rotation is already initiated at the jump, resulting in

a rack stretching experience. At this point timing is critical, as three quarters through the rotation you'll get your first glimpse of the water over your shoulder. This can either be the best or the worst moment, as this is when you realize if you have enough height to complete the handle pass. If you've done everything right the lines will get slack, with the kite hanging straight in front of you, so now it's time to convert the horizontal rotation into a vertical rotation by aggressively pulling the bar. The handle pass behind the back goes smoothly, the second hand grabs fast, the heel-side landing is full speed and if you're lucky you'll ride away smoothly and relaxed. Positive side effects are uncontrollable joy, adrenalin in every cell of your body and slight dizziness!

HEIGHT: 1,70 m  
WEIGHT: 73 kg  
HOMESPOT: Sankt Peter-Ording, Germany  
KITE: GTS3 12 m²  
LINE LENGTH: 20 m  
BOARD: Carved Tantrum Custom 140x42,5



# B A R S

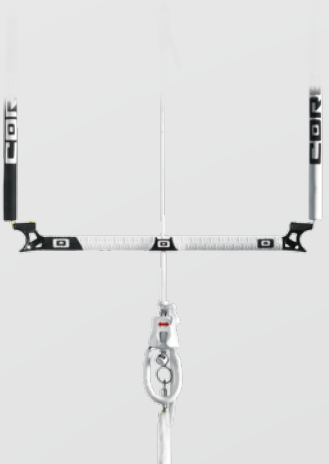
FREESTYLE - WAKESTYLE - FREERIDE - WAVE

**SENSOR**  
THE SENSOR BAR SYSTEM



SENSOR 2 / SENSOR 2+

p.34



SENSOR PRO

p.36

## DIRECT STEERING, EASIER KITING, SAFER KITING

One of the most important aspects, when kiting, is how the kite feels when flying. What most people don't realize is that the bar system has just as an important role to play, in the way the kite feels, as the kite itself. The technical development of the bar is of particular importance for CORE. When you take the brand new SENSOR bar system on the water, you will be suitably impressed. Both the SENSOR 2 bar as well as the SENSOR PRO bar weigh almost nothing, but are packed full of high-tech and know how. They turn every kite on, make it more direct and provide better feedback, just as if your senses were fused with the lines.

With two versions, the brand new SENSOR bar system is now a bar system in all senses of the word. The SENSOR 2 bar shines with lots of innovative features that make it a high performance piece of equipment, but when you combine it with the SENSOR PRO bar, it propels it to new heights. Remember the most important thing is how the kite feels in the air.





230g UNIBODY BAR

Less is more. Development in Germany made it possible to reduce further the weight of the Unibody for the SENSOR 2, making it feather light and weighing only 230 grams. The result of this, thanks to the significantly reduced moment of inertia and the optimized leverage of the levelled bar ends, is steering that is unmatched in ease and freedom. This is the secret behind the unique SENSOR feeling: intensive feedback matched with playfully and precise control of the kite.



SUPPORTED SINGLE FRONTLINE SAFETY (SSF)

The newly developed safety setup from CORE. When you release the kite it will blow out, without pressure, on only one frontline whilst the second frontline leads the kite into a stable, very comfortable and especially safe relaunch position. At the same time the risk of line tangling is significantly reduced. We'll show you exactly what this looks like on page 37.

THE SENSOR 2 BAR SYSTEM IN DETAIL

The SENSOR 2 bar boasts all the features that made its predecessor one of the most loved bar systems on the market, with its ultra-light Unibody construction, the ROTOR safety release and the fully functional line unswivelling. We have incrementally improved all of these features over the last three years and have added a host of innovative features too.



SPliced ENDS

Durability by following sound advice. A small but refined detail of the SENSOR lines are their spliced line ends. They aren't simply finished off and secured with a parallel stitch, but rather eloquently spliced before being stitched. This guarantees higher strength and better aerodynamics, whilst laying out of the lines is also noticeably smoother.



24 METER LINES

High tension made in Germany. All the lines of the SENSOR 2 bar are manufactured to the highest quality standards by the German line manufacturer *Liros*, a name that is highly regarded in aviation sports for consistent and perfect finishes. As an example, the flight lines to the chicken loop are pre-stretched with a special heat process. With a thickness of 1.8 millimeter the SENSOR 2 bar lines have a breaking load of 368 kilogram and roll out easily when setting up on the beach.



SENSOR ADJUSTER

Fine trimming. The forces acting on the cleat adjuster are reduced by a quarter, with the addition of another loop through the slide pulley, which results in the exceptionally smooth and precise operation of the adjuster, even in the upper wind limits. The levels of comfort get even better as the depower throw can be easily adjusted to suit the size of the rider by simply moving the cleat adjuster.



EXCHANGEABLE BAR INSERTS

Replacement made easy. The depower lines are threaded through the middle of the bar by channel formed inserts. Their special material acts like a lubricant and prevents line wear and tear. These inserts can be easily and cheaply replaced without any tools.



VARIO WIDTH

All kite sizes respond to one bar. Thanks to the ability to easily adjust the knot of the steering lines, at the end of the bar, the size can be extended by six centimeters from 46 to 52 centimeters. With this, the SENSOR 2 bar covers our full kite spectrum, from 5 to 19 sqm.



100% SELF UNSWIVELLING

Always works. The self-unswivelling of the CORE bars has been setting high standards for many years, as it sorts the lines out in any and every situation, without issue. CORE has always designed the lines to twist and cross below the bar, so when you pull the bar down the lines are left with little option but to sort themselves out.



ROTOR QUICKRELEASE

So easy – just turn. The release mechanism, which can be turned in either direction, allows for intuitive emergency release in any situation. It has been proven that the turning motion allows for more force to be exerted. In addition to this and unlike conventional systems, you don't need to fight against the water flow. The ROTOR system not only more than fulfils the highest standards, but it also sets new standards in safety, as regularly proven by independent tests.

Another tangible advantage is that compared to push systems, the ROTOR quickrelease has a noticeably compact and lighter design, whilst also bringing the depower adjuster closer to the riders reach. Not only more comfortable but also resulting in better safety in critical situations.



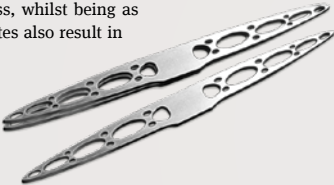
CORE LOOP/STICK SET

Even here we've been innovative. When unhooked, the side mounted chicken stick automatically glides away from the centre of the chicken loop, which ensures that the chicken stick does not get in your way when you want to hook in again. When hooked in, this also prevents any unwanted unhooking from the harness. The chicken loop, on the other hand, has one of the most all-encompassing optimized diameters.



TITANIUM CORE

A high-tech bar with a strong heart. In the middle of the Unibody bar is the secret to the strength of the SENSOR 2. Thanks to the specially constructed Titanium insert, the SENSOR 2 is able to boast an extreme break load and stiffness, whilst being as light as a feather. These attributes also result in the typical crisp flight feeling.



EVA GRIP

Get a grip. Thanks to the stronger 0.5 millimeter EVA coating and more defined profiling, the SENSOR 2 bar offers noticeably more grip and comfort that will definitely be appreciated during longer sessions.



SHORT SAFETY LEASH

Extra short equals extra safe. All CORE bar systems are equipped, as standard, with the SHORT SAFETY LEASH. The leash is only 50 cm in length, with the release being found at the front of the harness, which is perfectly placed for easy handling, whilst also being in the riders angle of vision. The release mechanism stays attached to the kites harness. Studies have shown that only a small percentage of kites regularly ride unhooked, but nevertheless you'll find lots of long leashes on the water. Pure cool factor with high levels of risk. Longer leashes are not only less safe when released, but they also regularly get tangled in anything possible.



Delivery includes



- SENSOR 2
- 24m lines
- 52/45 cm
- Leash, Barbag & Manual
- 449,- Euro\*

\* recommended retail price



- SENSOR 2+
- VARIO LINES with 24m, 22m, 20m, 18m lines
- 52/45 cm
- Leash, Barbag & Manual
- 479,- Euro\*

Also available:



THE SENSOR 2+ BAR SYSTEM  
ONE BAR, FOUR LINE LENGTHS.

The SENSOR 2 bar system is also available in a plus edition. This edition allows four different line lengths to be attached to only one bar. Instead of the standard 24 meter lines, the bar is equipped with VARIO LINES, also manufactured to the highest German standards. The triple segmented line sets consists of an 18 meter base length with two and four metre line extensions. All segments can be freely combined enabling the SENSOR 2+ bar system to effortlessly be adapted to varying line lengths: 24, 22, 20 and 18 meter. The SENSOR 2+ bar therefore always delivers the right line length – whether it's freeride, big-air, wave, freestyle or killer kiteloops.



# SENSOR PRO

## THE SENSOR PRO BAR SYSTEM

This bar is by far the lightest bar on the market. As the innovators and most experienced manufacturer of carbon kiteboards, we've used all our innovation and experience to use this exceptionally light and stable material in the manufacture of a new bar system. The SENSOR PRO bar is a result of three years development and, whilst basically the same as our SENSOR 2 bar, it differs significantly in the choice of materials.

### TECTANIUM® LINES

The brand new TECTANIUM® lines are high-end technology. They were exclusively developed for CORE by a renowned German manufacturer. The all-black line sets are slightly thinner and 10 percent lighter, whilst boasting a 50 percent higher break load. The improved stretch resistance results in unequalled precise and direct steering, which is especially evident in waves or when pulling off kiteloops. It also enables explosive and even higher jumps. The lines can effortlessly be adapted to varying lengths: 24, 22, 20 and 18 meter. Our TECTANIUM® lines also score highly in durability, thanks to the special coating process which results in the lines being considerably more resistant to wear and tear.

### CARBON FIBRE BAR

The Unibody bar of the SENSOR PRO is manufactured from an ultra stiff Carbon and Titanium compound. The weight is reduced to the magical 200 gram mark, with an equivalent breaking strength and even higher stiffness.

#### Delivery includes

- SENSOR PRO
- TECTANIUM® VARIO LINES with 24m, 22m, 20m, 18m line lengths
- 52/45 cm
- Leash, Barbag & Manual
- 599,- Euro\*

\*recommended retail price

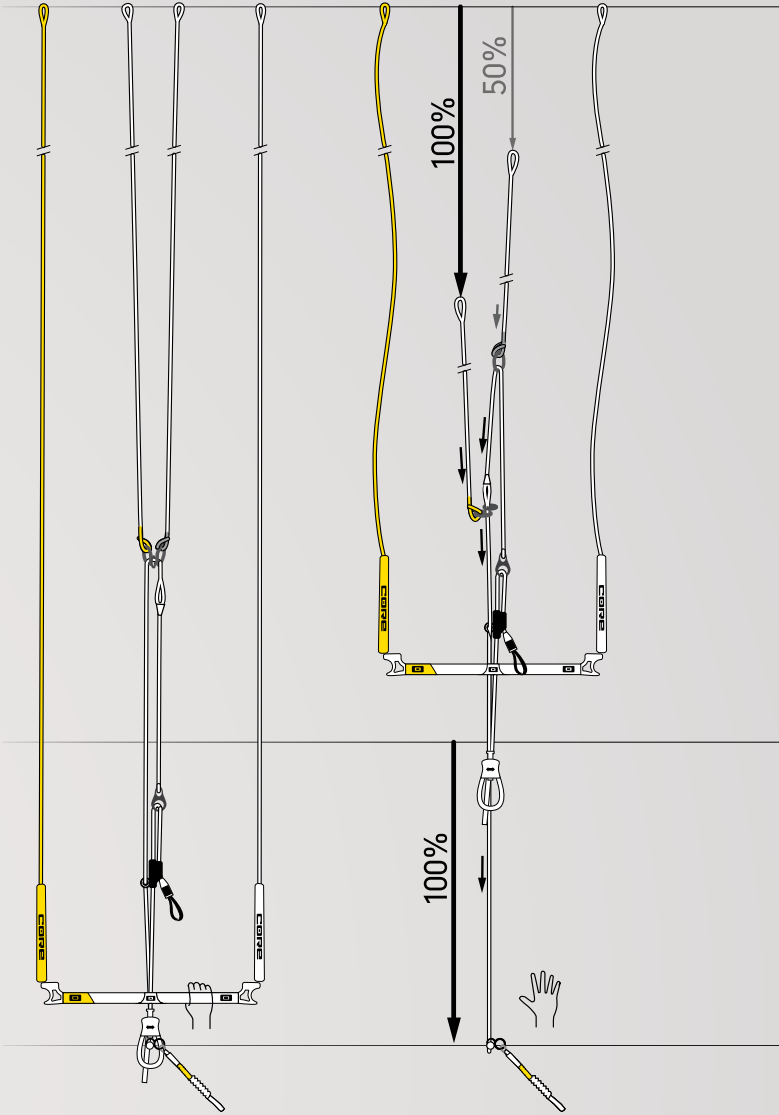
### OPTIONAL ACCESSORIES

#### PRO LOOP/STICK SET

Designed for pros who are constantly riding unhooked. Makes hooking back in easier, but also extends the distance to the adjuster.

#### PRO LEASH

The PRO Leash enables unhooked rotations i.e. handle pass jumps. The leash is noticeably longer than the standard short safety leash and is probably the only leash on the market where the release mechanism can't get caught under the harness hook. The significantly longer leash is more suited to experts as the safety release is not as easily reachable in every situation, as our standard Short Safety Leash.



### SUPPORTED SINGLE FRONTLINE SAFETY (SSF)

The best of three worlds. The SUPPORTED SINGLE FRONTLINE SAFETY combines the advantages of single line safety, double frontline and fifth line safety without inheriting the disadvantages of each system. When you release the kite it will blow out, without pressure, on only one

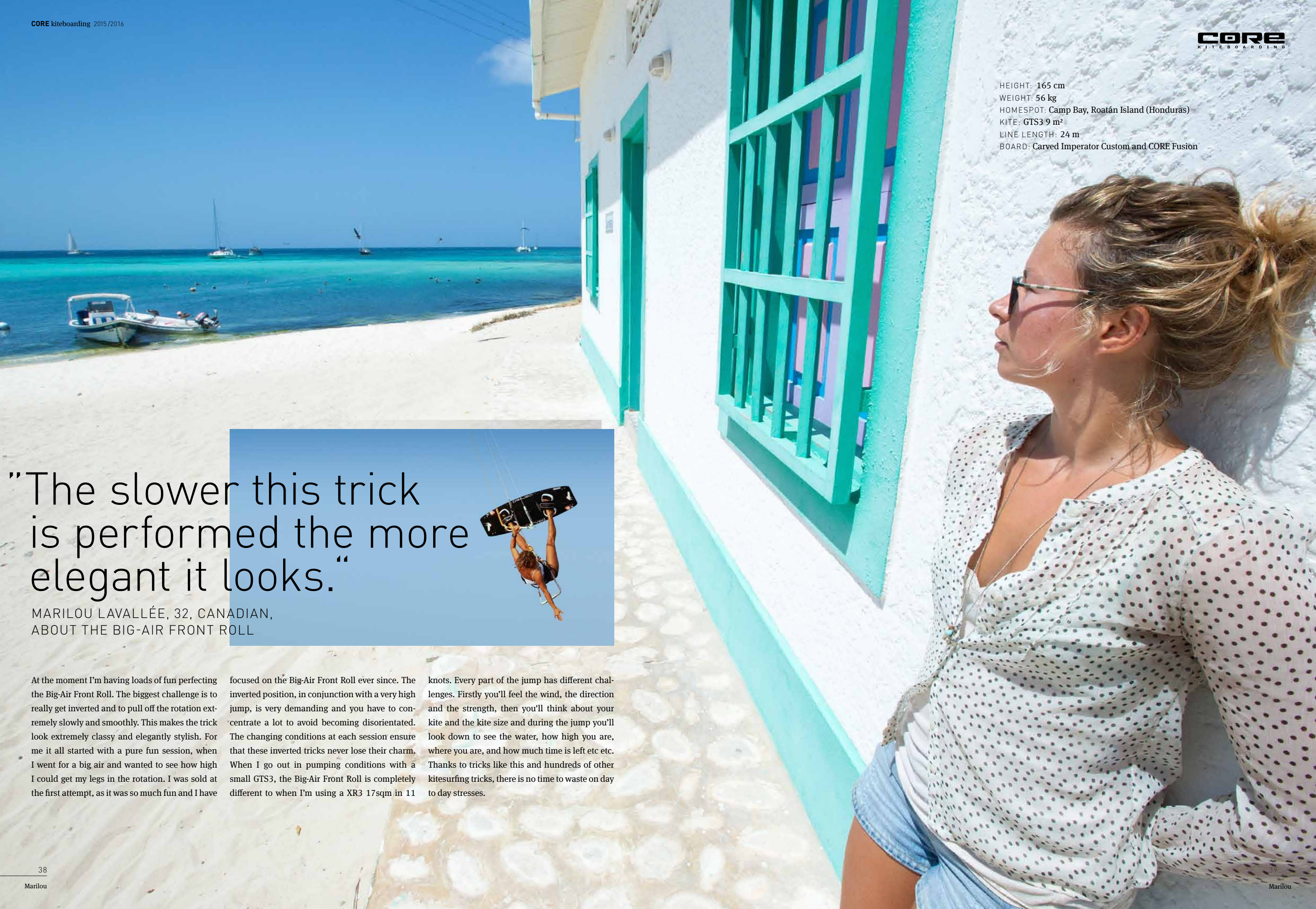
front line whilst the second front line leads the kite into a stable, very comfortable and especially safe relaunch position. This is a distinct advantage for hard freestyle training or in the waves and will also save beginners and intermediates a lot of time and effort.

### THE SENSOR BAR SYSTEMS IN COMPARISON

	SENSOR 2	SENSOR 2+	SENSOR PRO
New, lighter and stiffer construction with Titanium Core	×	×	×
Exchangeable Bar Inserts	×	×	×
Supported Single Frontline Safety (SSF)	×	×	×
24m Flying Lines	×		
Vario Lines (24, 22, 20, 18m)		×	×
Carbon-Bar with Titanium Core			×
TECTANIUM® Lines			×



HEIGHT: 165 cm  
WEIGHT: 56 kg  
HOMESPOT: Camp Bay, Roatán Island (Honduras)  
KITE: GTS3 9 m²  
LINE LENGTH: 24 m  
BOARD: Carved Imperator Custom and CORE Fusion



# “The slower this trick is performed the more elegant it looks.”

MARILOU LAVALLÉE, 32, CANADIAN,  
ABOUT THE BIG-AIR FRONT ROLL



At the moment I’m having loads of fun perfecting the Big-Air Front Roll. The biggest challenge is to really get inverted and to pull off the rotation extremely slowly and smoothly. This makes the trick look extremely classy and elegantly stylish. For me it all started with a pure fun session, when I went for a big air and wanted to see how high I could get my legs in the rotation. I was sold at the first attempt, as it was so much fun and I have

focused on the Big-Air Front Roll ever since. The inverted position, in conjunction with a very high jump, is very demanding and you have to concentrate a lot to avoid becoming disorientated. The changing conditions at each session ensure that these inverted tricks never lose their charm. When I go out in pumping conditions with a small GTS3, the Big-Air Front Roll is completely different to when I’m using a XR3 17sqm in 11

knots. Every part of the jump has different challenges. Firstly you’ll feel the wind, the direction and the strength, then you’ll think about your kite and the kite size and during the jump you’ll look down to see the water, how high you are, where you are, and how much time is left etc etc. Thanks to tricks like this and hundreds of other kitesurfing tricks, there is no time to waste on day to day stresses.



# BOARDS

FREESTYLE - WAKESTYLE - FREERIDE - WAVE



CHOICE

Freestyle / Wakestyle / Obstacles  
**p. 42**



FUSION

Freeride / Freestyle / Wave  
**p.48**



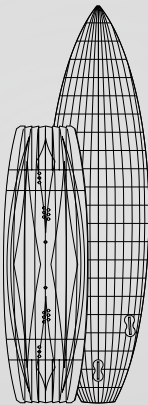
RIPPER

Wave / Wave-Freestyle / Freeride  
**p.56**



FUSION LW

Lightwind-Freeride / Freestyle  
**p.52**



BOARD TECHNOLOGY

Knowhow  
**p.58**



# CHOICE

RADICAL HIGH-TECH FREESTYLER  
MADE WITH CARTAN® FULL CARBON

FREESTYLE - WAKESTYLE - OBSTACLES

## BOOTS OR STRAPS – YOU CHOOSE

Power and pure dynamics; the Choice delivers on all these advantages due to the unique CARTAN® carbon. No other carbon fibre construction produces the same level of brutal torsional flex. This makes the Choice the first choice when it comes to radical freestyle and wakestyle. You can choose whether you want to ride with boots or straps. The aggressively contoured tips provide endless control, no matter whether you're riding with or without fins or if you're pulling off hardcore wakestyle moves, radical rotations or in the obstacle park.





6-CHANNEL TIPS

Extreme grip. Thanks to deep channel contours, the bottom of the tips provide directional stability. The two outer channels that run parallel to the rails, along the entire length of the board, provide the board with noticeably better grip.



PRO ROCKER

Sick rocker for boots. The bottom contour of the Choice features a strong rocker line. This aggressive curve in the rocker is perfect for hardcore freestyle and wakestyle with boot bindings.



3D WOOD CORE

Pure dynamics. The wood core, made from solid Paulownia lengths that are glued together, is responsible for the very lively and dynamic character of the Choice. A sophisticated 3D-contour is etched into the wood core during a unique production process.



CARTAN® CARBON

Power without limits. The high performance carbon, specifically developed for CORE, with low levels of resin content, allows for unimaginable brute strength. The fibres are specifically laid at an optimally calculated 30 degree angle, resulting in unmatched explosive torsional flex and unbelievable explosive pop when performing loaded jumps.



FLAT BASE

Perfect for obstacles. The bottom contour, in the middle of the board, is basically flat. Even the light single concave and the lengthwise outer channels flatten out to the minimum in the middle. This gives the rider the maximum amount of freedom to rip up obstacles with the maximum amount of control.



# THE CHOICE IN DETAIL

**When it comes to radical manoeuvres you need a board with perfect control. With the combination of aggressive bottom contours, an extremely durable hard-wearing construction method, and high-tech CARTAN® carbon fibre, the Choice offers the maximum level of explosiveness. Here are the features in detail.**

Sizes

134x41 cm 137x41,5 cm 139x42 cm 142x42,5 cm

Delivery includes

CHOICE, CORE Pro Straps & Pads, Grabhandle,  
1,4" G10 Fins, V4A Screws,  
899,- Euro\*

\*recommended retail price



# CHOICE



DIAMOND 3D SHAPE

Perfect integration of flex and rigidity. The optimized diamond-shaped cut outs, in the tip regions of the wood core, reduce the weight of the board and increase the torsional flex.



BOOT-TOUGH INSERTS

Bombproof grip for either boots or straps. The high-alloy V4A stainless steel inserts are anchored into a massively reinforced base plate in the top deck. A total of three stance positions are available.



CORE PRO STRAPS & PADS

High-end EVA pads, that fit any foot size perfectly due to the easily adjustable loops, result in great comfort and board control. This in turn allows for a very precise glide and edge feel.



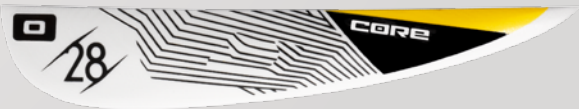
1.4" G10 PRO FINS

Hardcore freestyle requires small fins, as the board needs to be loose enough to allow for intuitive, instantaneous switches to complete rotations, or to recover from a less than ideal landing.



1.1" G10 WAKE FINS (OPTIONAL UPGRADE)

Extremely loose and perfect for wakestyle. The 1.1" fins, which are available as an option, are an exciting compromise between the small (standard) 1.4" fins or riding without fins.





HEIGHT: 1,79 m  
WEIGHT: 85 kg  
HOMESPOT: El Yaque, Venezuela and Theologos, Greece  
KITE: GTS3 10 m<sup>2</sup>  
LINE LENGTH: 18 m  
BOARD: CORE Choice 139x42

"Free from thinking,  
free for new  
dimensions."

THOMAS "BEANY" BURBLIES, 34, GERMAN,  
ABOUT THE MOTIVATION TO ALWAYS LEARN NEW TRICKS

Constant repetition of everything, from simple to highly complex movements opens up new dimensions during a trick. The sense of time, fear, hunger and the active thought process that is the evaluation of the present moment, plus the reaction to this evaluation, are all lifted. Instinctive perception and intelligent intuition take over, allowing for simple and elegant tricks. This freedom from thinking always pulls

me back. In these moments, everything is possible, as the spirit learns from the body and vice versa. When asked how long I take to learn new tricks, I answer, "For me it's not about learning something new but rather to recognize my limitations and remove them."

I try and break away from rigid mental images and embrace new possibilities.



**FUSION**

THE HIGH-TECH CARTAN®  
CARBON CROSSRIDE BOARD



FREERIDE - FREESTYLE - WAVE

# COMFORT AND CONTROL FOR EVERY STYLE

More time on the water and less time trying to decide which board to ride. The Fusion is a real crossride board that covers all aspects of kitesurfing without compromising any of them. The CORE Fusion fuses the best components of modern kiteboard technology with all kiting styles. The unique CARTAN® carbon, developed and constructed with decades of experience from Carved, provides the Fusion with excellent dynamic and comfortable ride characteristics.





CENTRE V

The centre V-shape has numerous positive effects. It allows for early planing, better edging, more agility and softer landings.



DOUBLE CONCAVE BOTTOM

The aqua-dynamic and precisely calculated concaves, on both sides of the centre V, ensure a perfect grip for the engaged board rail. Edging takes less effort and becomes more effective.



HYDRODYNAMIC BOTTOM CONTOUR

The complex bottom consists of a centre V-shape, which runs the entire length of the board. To the left and right of this are concaves that stretch towards the rails. This combination allows for early planing, effective upwind riding and explosive jumps, whilst also increasing agility and fluidity. At the tips, a wide channel results in a variable bottom contour, so that when a rider edges hard, the inner, steeper bottom curve is engaged, enhancing control and edging. Whilst planing, the majority of the surface area is distributed to the flatter bottom curve, allowing the Fusion to glide effortlessly through lulls.



CHANNELS

The channels in the tips result in a variable bottom contour. Depending on how strong the board is edged, it either results in better grip or improved glide.



THE FUSION IN DETAIL

**The Fusion is constructed in the most elaborate way for a series board and uses only the finest materials, such as the exclusive CARTAN® high performance carbon, a sophisticated milled wood core, G10 fins and many other features from Carved custom manufacturing, that are all contributory factors for this outstanding ride experience.**

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

**Delivery includes**  
FUSION, CORE Pro Straps & Pads,  
Grab Handle, 1.9" G10 Fins,  
V4A Screws,  
899,- Euro\*

\*recommended retail price



DIAMOND 3D SHAPE

Perfect interplay between flex and stiffness. The diamond shaped cut outs in the tips of the wood core reduce the weight, whilst also increasing the torsional rigidity.



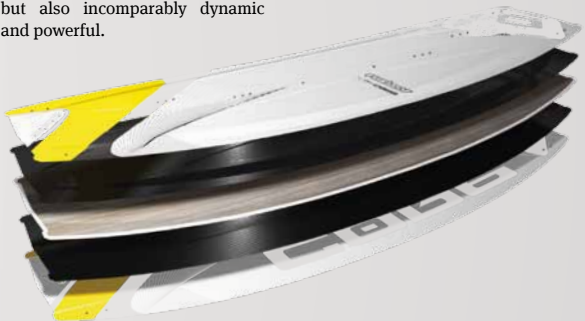
CARTAN® CARBON



WOOD CORE

Specially developed for CORE, this high performance Carbon is laid in a, performance maximizing, 30 degree angle with extremely low amounts of resin. In this way the Fusion is not only extremely light but also incomparably dynamic and powerful.

The core of the board is made of solid lengths of Paulownia wood that are glued together. This especially lightweight, long-fibered wood creates both pronounced stiffness and flex.



CORE PRO STRAPS & PADS

Defined EVA pads that, thanks to the adjustable straps, fit any foot size perfectly. Comfort and control result in very precise edging and gliding.



1,9" G10 FINS

Optimised to the shape and bottom contour of the Fusion, and made of the high quality G10 material. The fin profile allows for maximum grip but does not get in the way of playful switching.







**FUSION** LW

THE ULTIMATE  
LIGHTWIND MACHINE

# MORE FUN IN LESS KNOTS

For lightwind, we transferred the crossride concept to both Fusion LW models. Both are super early planers and both are easy to ride whilst delivering high performance. The Fusion LW is therefore not only a good lightwind weapon but also an ideal learner and entry-level board. It goes without saying that both are also made with 100% CARTAN® carbon and are fully based on the outstanding design features of their little brothers, whilst being specifically optimized for lightwind. Especially the concaves and bottom channels, as well as the centre 'V', are designed to minimize water resistance, whilst guaranteeing, when combined with the outline and bottom contour, reliable grip to minimize the effect of gusts. Both Fusion LW models are perfectly paired with both the GTS3 LW and the Riot XR3 LW. You can find more technical detail on pages 50 and 58.

**Sizes**  
149x44 cm 152x46 cm

**Delivery includes**  
FUSION, CORE Pro Straps & Pads, Grabhandle, 1,9" G10 Fins,  
V4A Screws, 899,- Euro\*

\* recommended retail price



THE "SMALL" FUSION LW: 149X44CM  
THE MOST AGILE LIGHTWIND BOARD ON THE MARKET

It combines the advantages of a lightwind board with those of a thoroughbred twintip. Even if the wind picks up, rotations and unhooked tricks are effortlessly achieved. The 'Diamond 3D Shape' and the resulting low board thickness allows for thin rails that cut through the water without getting bogged down, thanks impart to the 'V', which acts like an air cushion.

**FUSION** LW



THE "BIG" FUSION LW: 152X46CM  
THE ULTIMATE EARLY PLANER

With the biggest twintip in the CORE range, the 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 utilized when riding upwind. The resulting edge width from this shape is a crucial factor in its unprecedented planing and gliding ability. The concave in the sophisticated bottom contour controls the width when the wind picks up.



One of the oldest dreams of mankind also happens to be my biggest dream, and that dream is to fly. Okay, it's not really possible to fly whilst kitesurfing, but I think you can get really close to the feeling and to be honest, it can be even better than real flying. For example, it's definitely more intense and pleasurable than just sitting on board an aeroplane in the sky. Jumping with a kite is the most basic and exciting trick there is, where the higher and longer you go, the better and it's this aspect that sets kitesurfing apart from every other water based sport. The defining moment, to defy gravity, is the take-off and it's best to try and catch a small wave that acts as a kicker. At the same time, you rip the kite in the opposite direction, straight through the wind window and then it starts. The lift into the sky and the glide through the air is a totally unique feeling and as you fly through the sky like a bird, over the earth, you get a different perspective of everything.

The next step is to fly with a sense of weightlessness and to start off you'll need a really fast kite such the GTS3. To feel weightless the kite has to be steered into a kiteloop at the highest point of the jump. The pull force, that develops, accelerates the body forward and into a pendulum swing. At this exact moment, the tension in the lines slackens off and you experience weightlessness as you fall, totally free, without any sense of gravity. This only lasts for a couple of split seconds until the kite catches up again, but these split seconds are so awesome that I like to think back to my most memorable jumps for years after.



HEIGHT: 1,80 m  
WEIGHT: 70 kg  
HOMESPOT: El Yaque, Venezuela  
KITE: GTS3 8 m²  
LINE LENGTH: 22 m  
BOARD: Carved Imperator V 135x41,5 and CORE Ripper 2 6'0"

"I'll think back to my most memorable moments years from now."

PHILIPP ZACH, 24, AUSTRIAN,  
ABOUT WEIGHTLESS KITING







THE CLASSIC WAVEBOARD

STRAPLESS – STRAPPED – FREERIDE

ENJOY EVERY WAVE,  
FEEL EVERY TURN.

'Wavekiting is one of the purest forms of kitesurfing', a fact that is recognized at most kiting spots around the world. Waves allow us to experience the pure turning and carving sensations that lie at the heart of the surfing experience. But not all turns are created equal. For those particularly intense moments, at the bottom of the wave face or up on the lip, a unique board is required that is both lively and dynamic, with a finely tuned shape. Unfortunately, new modern sandwich constructed boards limit this experience. As a result we have deliberately opted to return to a classic fibreglass construction method and have tapped into the decades of experience that Carved possess. The result is the brand new Ripper 2. Whether you're in wind waves or down the line on clean reef waves, strapped or strapless, the Ripper 2 is the perfect all-rounder. It's a classic waveboard that gets closer than ever before to the roots of kitesurfing - Or should that be the 'CORE' of kitesurfing.

**Sizes**  
5'6" 5'8" 5'10" 6'0" 6'2"

**Delivery includes**  
Ripper 2 Waveboard,  
Back Pad,  
DAKINE Supremo Straps,  
V4A Screws,  
FCS II Fin System,  
899,- Euro\*

\*recommended retail price



CUT NOSE

The finely designed cut nose is the hallmark of the Ripper 2. It not only looks cool, but more importantly is significantly more durable and resistant than a pointy board nose. With the Ripper 2 you can spend less time worrying about bodily harm!



TOUGH TOP SIDE

The back foot area of the Ripper 2 is massively strengthened by the addition of a carbon fibre layer, as kite-surfing places a lot more strain and pressure on this area than traditional surfing, and has also been specifically strengthened to increase resistance and longevity.



SHORTBOARD SHAPE

The Ripper 2 is available in five sizes. The shape is that of a classic short board with a pronounced rocker that enables the Ripper 2 to perform in nearly any surf condition. Not only does It provide tight turns and a lot of control in the chaotic wind waves of the North and East Seas, but it also excels in sick reef waves with smooth flow and hard aggressive turns.



GLASS COAT

A multi-layer optimally fine-tuned process, utilising high-tech resins and specially arranged glass fibre fabric, forms the shell. This not only gives the board that classic look, but more importantly it's the best way to build a defined shape that has that lively surf-esque feeling.



DOUBLE STRINGER

A visible wooden stringer runs down the length of the board. This allows for greater vertical stability, whilst retaining the right amount of flex that results in the lively feel that this surfboard displays. A second horizontally laid stringer forms the base for the strap inserts and together with the laminate and carbon layers, makes up the upper deck of the Ripper 2. This construction method results in the Ripper 2 being extremely durable. These stringers are manufactured in our Carved Custom Board production unit.



RESPONSIVE FOAM CORE

A Classic Polyurethane Core with a continuous wooden stringer ensures that volume is perfectly matched to the shape. The interplay with the rails results in the Ripper 2 being able to carve incredibly smooth turns.



THRUSTER SETUP

The Thruster, or three fin setup, is the classic fin set up. The symmetrical central fin is supported by two asymmetrical outside fins, which allows for an optimum combination of board control and a loose surfing feel in the waves.



ORIGINAL FCS II FIN SYSTEM

The FCS II System is the world standard of fin systems, both in surfing as well as kitesurfing. The FCS setup is available worldwide, even in the smallest surf stores. The fins of the Ripper 2 therefore deliver the best performance whilst also guaranteeing reliable replacement parts.



ORIGINAL DAKINE STRAPS

Up for anything. A horizontally laid stringer with V4A stainless steel inserts is laid flat, with the laminate and carbon fibre layers on the top deck, making it extremely sturdy. The Ripper 2 can therefore be ridden strapless or with the high quality Dakine strap set, which is included.



# TWINTIP TECHNOLOGY

ALL THE KNOW HOW FROM CARVED:  
TECHNOLOGY TRANSFER AT ITS FINEST

CORE has infused all their kiteboards with over 30 years of building surfboards and 14 years worth of custom board building experience, from Carved. The CORE development team works hand in hand with the perfectionists from Carved and many of Carved's unique solutions, production techniques and specifically developed materials, find their way into the series models of the Choice, the Fusion and the Ripper 2. Every single board size is individually developed, from the bottom curve to the meticulously tuned flex. Here is an overview of the individual components of the CORE twintips.

## CARTAN® CARBON

This high-performance carbon was specifically and exclusively designed for CORE and Carved, and their unique needs for specialist kiteboards. Each layer of the laminate structure is made of carbon fibre, from top to bottom. In contrast to conventional carbon fibre, CARTAN® has a tighter weave and holds the fibres in a performance enhancing 30 degree angle, as opposed to the conventional 90 degrees. This results in a significantly improved force distribution and huge flex properties, making both take-off and landing simple and effective. The exclusive use of CARTAN® allows us to significantly reduce the thickness of all CORE twintips, which in turn allows us to radically optimize their weight. You can even run your finger over the deck and feel the CARTAN®-typical fibre structure.



## CNC-MILLED WOOD CORE

For the core construction of our twintips, Choice and Fusion, we rely exclusively on wood. The organic material gives the board a massive amount of pop, sovereign handling characteristics and exceptional dynamic restoring forces.



All cores are constructed from solid Paulownia wood lengths that are glued together before being milled to the correct geometric and thickness profile, by the CNC machine. This especially lightweight, long-fibered wood is responsible for the pronounced rigidity and strength of all CORE boards.

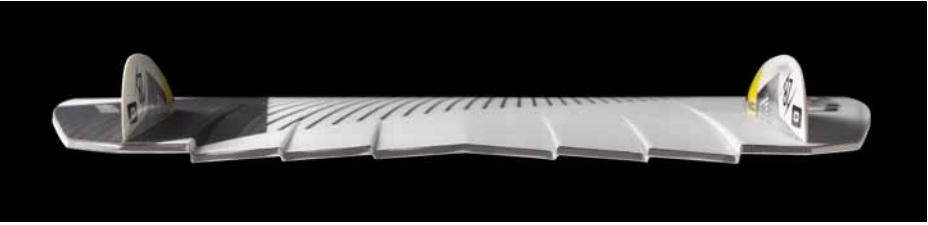
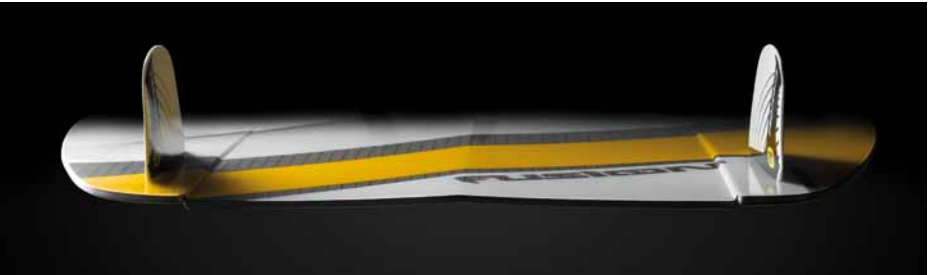
## DIAMOND 3D SHAPE

You can see and feel the 3D shape on the surface. Complex diamond-shaped cutouts have been milled into the underlying wood core. This is not without reason, as on one hand the complex surface structure reduces the weight, and on the other hand the intelligently arranged cross-

ses increase the torsional rigidity of the board. Together with the ultra-thin outside edges, the 'Diamond 3D Shape' provides the perfect combination of flex and stiffness.

## HYDRODYNAMIC BOTTOM CONTOUR

All CORE twintips have a hydro-dynamically shaped bottom contour. The most distinguishing feature is the central full length 'V' and the concaves. The interaction of the concave and 'V' simulates a greater board width, facilitating earlier planing, without compromising control. The entire board can be edged at a steeper angle, which enables effective upwind ability and pro-



vides the best edging for jumps. In addition it enables increased fluidity and agility.

## CHANNELS

Channels are used on the tips of the twintips: two on the Fusion and six on the Choice. These partial indents allow the realization of two different rocker lines on one board. 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 early planing and the ability to glide through lulls. The channels of the Choice provide enough grip to enable a rider to kite without fins, enabling wakestyle fun on obstacles.

## PADS & STRAPS

All pads and straps of CORE boards are made from machined EVA and have to fulfill three important criteria. Firstly, they have to give maximum support and adaptable comfort, whilst secondly giving maximum board control. And thirdly they must give outstanding feel for the board and its driving in all conditions.

We placed a high level of emphasis on the ease of installation too. The pads and straps are easily attached to the board inserts, whilst the straps can also be easily adjusted on the water.

## FINS

The fins of the Choice and the Fusion are made from G10, a extremely robust and high-performance composite. With the design of the fin profile, CORE benefited from Carved and their development of the Razor Fin. The fins, that provide for maximum grip on edge, are a result of complex computer simulation and practical testing. The combination of the base curve and the shape of the tip also facilitate a quick switch too.





# "Each ride is a massive flirt with the ocean."



CHRIS BÖSCH, 35, SWISS,  
EXPLETIVES FOR THE PERFECT WAVE SESSION

HEIGHT: 1,87 m  
WEIGHT: 74 kg  
HOMESPOT: Silvaplanasee, Switzerland and Paracuru, Brazil  
KITE: GTS3 6, 8 and 10 m<sup>2</sup>  
LINE LENGTH: 20 m  
BOARD: CORE Ripper 2 6'0" and Fusion 137x41

I love the feeling of surfing big waves, fully powered up, on a strapless board. If the session was awesome, then it will have included a big powerful top turn, with lots of spray, in a strong side shore wind and on a clean, right peeling, wave. This is the ultimate for me. Another great favorite is a Big Air over a fat close out. My preferred equipment for moments like this

are a 6'0" board and a super agile 8 sqm kite on 20m lines, so that when everything is just right, I can totally enjoy the challenge, endless freedom, sublime happiness and a complete adrenalin rush. This description is really insufficient, but there are simply no words to describe what you really experience out there.



# CORE SERVICE

## GETTING YOU BACK ON THE WATER – FASTER AND BETTER

As mentioned on page 10, at CORE we place a special emphasis on optimal service. An important part of this is to get a quick and accurate answer to a question and when a repair is needed, to see that it is speedily attended to. The first and best place to get information is the CORE website, as it is the gateway to the world of CORE. The four-language site provides not only comprehensive information on all kite models, bar systems and boards, but also many exciting videos and, of course, gets you started in the extensive CORE service program.

### CORE CARE WORRY-FREE PURCHASE

CORE stands for the highest quality in both design and manufacturing. We therefore offer our customers, within the EU, an optional warranty that covers material and workmanship for an additional six months on top of the statutory warranty. And the best part... it's totally free. All you need to do is sign up at [www.corekites.com](http://www.corekites.com) within 14 days of purchasing a new CORE product. You can find more info at [www.corekites.com](http://www.corekites.com) in the support area.

### CORE PARTS WORRY-FREE FOR UP TO SIX YEARS AFTER PURCHASE

Radical sessions can be demanding, especially on materials. CORE products are manufactured to be especially robust and durable, but hard reef breaks or rocky beaches can push even the best construction and material to its limits. To ensure that the worst-case scenario doesn't mean an end, but rather just a short break, we guarantee, as the manufacturer, an especially long availability of all spare parts. We actually guarantee to keep every spare part, for your product, for at least six years from the date of purchase.



### CORE SUPPORT AND FAQ-HELPDESK ANSWERS TO BASIC AND COMMON QUESTIONS

Kitesurfing raises a number of questions. We provide detailed answers to many of them in the support area of our website at [www.corekites.com](http://www.corekites.com). Some of them are illustrated in detail and thanks to short videos they are very clear and detailed. Casual browsers and beginners will find everything worth knowing for an introduction to our sport. For experts, we offer a comparison of the different styles of kiteboarding, including material recommendation and how-to videos for trendy tricks.

### PRODUCT-SUPPORT ANSWERS TO SPECIFIC QUESTIONS FOR EVERY CORE PRODUCT

Not only beginners should be getting into the detail of each new product. The best basis for discovering all the functions and features of your new CORE product is the printed manual that is included with your purchase. Don't worry if the manual gets lost on the beach or elsewhere, simply surf to the support area at [www.corekites.com](http://www.corekites.com). We not only keep PDF versions for each and every CORE product available for download, but also useful documents and information: detailed product presentations, detailed system and repair plans for bridles or bladders, exciting product videos, comprehensive repair videos, direct links to spare part descriptions and lots more. The product history provides a particularly good overview, by listing all CORE products in a chronological timeline.

### TELEPHONE-HOTLINE TO ENSURE THAT NO QUESTION GOES UNANSWERED

The direct line to CORE. No matter how specific or unique your CORE product question is, if you are unable to find a suitable answer in our online support, our support team on Fehmarn are at your service with personal and practical advice. Simply call 00494371-889340 during normal business hours. We look forward to your call.

### CORE SMARTPHONE APP DON'T MISS A THING

CORE is continuously developing new and exciting products and our team travels year-round, always searching for the perfect wave and undiscovered spot. To ensure you always stay up to date with what's going on at CORE, just download our CORE kiteboarding app from the Apple App Store, the Google Play Store or Windows Store. Stay close to CORE, the core of kitesurfing. For more info on the app and fast download links for iOS, Android and Windows Mobile please visit <http://mobile.corekites.com>.





# ECO SUSTAINABILITY

## HIGH PERFORMANCE WITH RESPONSIBILITY

Kitesurfing and surfing are most probably the passions of Bernie Hiss and his work colleagues because these sports take place in absolute harmony with nature - wind, water, waves and sun. So we want also to ensure that this applies to the production and distribution of our products, to the extent that present technology allows. As a result, environmental sustainability and social responsibility are at the top of the business philosophy for Hiss-Tec and run parallel with the development and manufacturing of world class products. For us, acting responsibly means acting where we can to make an impact in both innovation and sustainability. The following examples illustrate how we are currently implementing sustainability:

- 1. LONGEVITY THROUGH QUALITY AND LONGER PRODUCT CYCLES.
- 2. USE OF 100% SUSTAINABLY HARVESTED WOOD.
- 3. MINIMIZED USE OF NON-TOXIC RESIN
- 4. USING LOCAL PRODUCTION WHEREVER POSSIBLE.
- 5. USE OF SUSTAINABLY CONSCIOUS TRANSPORT:  
SEA RATHER THAN AIR.
- 6. SAVING 35 TONS OF CO2 WITH 100% GREEN ELECTRICITY.
- 7. ENGAGEMENT IN LOCAL DEVELOPMENT PROJECTS FOR CHILDREN.
- 8. GOOD SOCIAL WORKING CONDITIONS AND FAIR PAY  
TO EXTERNAL SUPPLIERS

Since the company is family-run and wants to continue to develop in the long term, these requirements can be effectively implemented. For us it goes without saying that we will continue to develop all business units accordingly.

## CONTACTS

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Design: Köcher/Kiecksee Design office ([www.design-kk.de](http://www.design-kk.de))





CORE INTERNATIONAL PRO TEAM

HEIGHT: 182 cm  
WEIGHT: 80 kg  
HOME SPOT: Mũi Né, Vietnam  
KITE: Riot XR3 7 m²  
LINE LENGTH: 20 m  
BOARD: CORE Ripper 2 6'0"

“The barrel is  
the ultimate.”

ROB KIDNIE, 38, AUSTRALIAN,  
ABOUT WAVEKITING

My favourite trick whilst kiting is exactly the same as when I'm surfing; getting barrelled or kiting in the tube. This is the Holy Grail of both wavekiting and surfing, and any true surfer will confirm this. When I get the chance to get into a long and deep barrel, there is nowhere else I'd rather be. The feeling of being encased behind a crystal clear curtain of water is simply indescribable. It's a spiritual experience, like finding a worm hole in a far away galaxy where time just

stands still. You find yourself in a state between euphoria, peace and presence and this exact moment is ecstasy for me, and is the reason why I crave to experience it over and over again. Even though these moments are so scarce and extremely short, I spend an inordinate amount of time searching for them and a kite is a massive help for me, as its speed and agility allows me to quickly cover a lot of ground in the line-up. Wavekiting therefore allows me to catch a lot more waves,

which in turn drastically increases my chances of getting barrelled, even if it's a little more difficult to get into the tube whilst kiting as the lines cutting through the lip of the wave generate unwanted steering impulses. It wasn't too long ago that we didn't see kitesurfers deep in the tube. But thanks to more and more surfers packing a kite as part of their baggage and with the equipment getting better and better, tubekiting is getting more popular.



**Chris Bösch**  
Switzerland



**Christian BB Passenegg**  
Austria



**David Romeu**  
Spain



**Kauli Seadi**  
Brazil



**Lasse Girolstein**  
Germany



**Marilou Lavallée**  
Canada



**Matze Larsen**  
South Africa



**Philipp Zach**  
Austria



**Rob Kidnie**  
Australia



**Steven Akkersdijk**  
The Netherlands



**Thomas "Beany" Burblies**  
Germany



**Tim Kummerfeld**  
Germany





Performance, Safety, Quality and Service.  
*surf **corekites.com***