It happens every time the trees outside my office start bending. I start calculating. Is it windy enough for a 9m session? The butterflies, the quickening pulse and the heightened senses is my body telling me I have an important board meeting to attend.

It’s a feeling every kiter and windsurfer knows well. And for me, a feeling that gets magnified every time I hit the water with a new prototype kite. Like an addiction, it has driven me since the 1980s.

For me, the feeling is almost indescribable. The rush I get testing a prototype after hundreds of hours in research, development, modeling, and assembly motivates me to do even better. To think that this prototype, flying high in the sky, was a figment of my imagination is amazing.

I have been experiencing this feeling since 2005, the year we created our first kite, the legendary Carved Unit. The Unit, a purebred C-kite, laid the foundations for CORE’s innovation and global expansion. From custom board manufacturer to leading full range kiteboard and kite manufacturer. Today, we celebrate the success of the best selling XR, GTS, and Fusion lines.

But there is no time to relax. No way. I don’t ever want to lose the rush I feel prototyping new gear. And so, we increased our prototyping dosage over the last couple of years to bring you two new specialized kites: the Section and the Impact. While the former is our new dedicated surf kite, the latter brings us back to the future with its pure C-shape and homage to our first kite, the Unit. With two multi-style bestsellers firmly established in the XR and GTS lines, we finally had the freedom to design kites for CORE purists.

This is a big year for teamCORE. Although I touched upon some new product launches, you will find many more surprises inside. Have fun exploring the next 80+ pages, and

rip hard my friends,
Bernie Hiss
<table>
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**BRDSKITES**

**CORE KITEBOARDING**

2016/2017
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CORE

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It’s windy and you can’t decide what to pump up. You look across the bay and see bungalow sized waves on the reef. Your adrenaline starts pumping as you marvel at the power and magic of nature. The power to create the perfect playground for kiters like CORE Pro rider, Chris Bösch, in Mauritius. Chris’ stoke factor hit an “11” that day. That session will stay with him forever, a reminder of his passion for the sport.

That same passion drives all of us at teamCORE on the Island of Fehmarn. A passion for the sport. And a passion to perfect our products. Adrenaline is the fuel that drives our innovation. Stoke is how we measure it. Fueling up is a matter of heading to the beach five minutes away.
Kitesurfing goes beyond sport. It is an escape from the daily grind that takes us to the promised land. Our job is to get you there. And further, or higher, if you are ready. Like CORE Pro rider, Steven Akkersdijk, on Kitebeach, Kapstadt who expects a perfect performance out of his CORE equipment. High performance is not just about the landing the sick-ist kite tricks or getting tubed, though. It’s about reaching your own potential wherever you kite. Experimenting with your own limits and experiencing new highs knowing your CORE equipment has your back. That is what we strive for every day. Making your intuitive, high performance CORE product the safest and most trusted gear in the market.

Raise your game with CORE.
Fehmarn, a sunny and often windy island in the Baltic Sea, is home to CORE’s Headquarters. It also happens to be an island perfectly suited for kiteboarding research and development. Picture dozens of kiteable beaches dotting the island for every wind direction. We use our location to our advantage, especially when it comes to research and development. Year-round, passionate, CORE product developers (see pic) with decades of experience split their days between computer modeling and “board meetings” on the beach. Relentlessly testing and getting feedback from the CORE community. But this isn’t good enough and so we test our product around the world in as many different kiting conditions possible to bring you the best-engineered kite possible.

For innovative German engineering trust teamCORE. And now, a look back at some of our proud work over the past few years:

**TECTANIUM® LINES**

A giant leap forward for kite lines when CORE and celebrated German aeronautical line manufacturer, Liros, released Tectanium kite lines. Standard on the Sensor Pro bar, Tectanium sets new benchmarks in strength, stretch resistance, stiffness, and weight. They are 10% thinner, 50% stronger, lighter and more abrasion resistant. Confidence inspiring. This is Tectanium.
SSF-SAFETY
CORE introduces the patented Supported Single Frontline Safety system for the Sensor 2 bar. Not only does this unique system immediately release all power from the kite when triggered but it also gently steers the kite, tube down, until it comes to rest in a ‘drift launch ready’ position on the water. This makes for a safe and easy Rotor reset and kite relaunch.

SPEED VALVE 1
Pump chaos solved. We introduced the ‘adapter free’ valve on the XR2. For the first time, the pump hose could be directly connected to the kite. With the substantially increased valve size, pumping and deflating became effortless and much quicker.

CORETEX®
While most kite manufacturers were satisfied with double ripstop fabric for their canopies, CORE introduced triple ripstop CoreTex, the next generation in fabric innovation. CoreTex fabric is protected and strengthened with three different coating processes called emulsions. It set new benchmarks in breaking strength, tear resistance, longevity, UV protection and elongation. Feel the tight, crisp signature of a CoreTex kite.

SPEED VALVE 2
Even more air. The re-engineered Speed Valve on the XR3 increased the maximum air flow to its natural limit (for the size of the hose). You couldn’t pump a kite faster.

CARTAN®CARBON
Leveraging our sister company Carved’s technology, CORE designs the bestseller Fusion twin tip with proprietary, low resin, 30° biaxial carbon fiber weave that optimizes board torsion and dynamic longitudinal flex. Cartan carbon. Only the best for our boards.

ROTOR SYSTEM
CORE makes kiting safer with the Rotor quick release system. Rather than improve conventional push/pull systems, we designed a two-way quick release for the Sensor bar that simply needs a quick turn in either direction. The Rotor system has proven itself safer, easier and consistently receives high marks from the kiting community.

SENSOR BAR SYSTEM
Incredibly light and free. Released in tandem with the XR2, it featured a totally new bar construction for an unbelievably direct and precise feel.

EXOTEX® & CORE PUMP
When we introduced the new XR4 with its high pressure ExoTex exo-skeleton (see right and following page), it needed a better pump. So we released a no strain, no sand, CORE pump to protect the XR4’s bladders (and other ExoTex equipped kites) from sand inhalation. We gave the pump better ergonomics, reduced friction internals, a ‘Sand Guard’ air filter and a single to double stroke inflation switch.
CORE

MADE IN GERMANY.

Any kite or board is only as good as its weakest link. This is why we focus on the details. Because every small detail can be improved, re-engineered or re-imagined with different materials or a better solution. Here at CORE, continuous improvement is our philosophy where no detail is too small and nothing is left untried.

We have made excellent progress in 2015. Our engineers used new, stronger Dacron to make thinner yet more rigid struts for the 2015 XR4, Section and Impact kites. It is the small details like the asymmetric weave and new emulsion which make this Dacron so good. We have a name for this innovative fabric.

It’s called ExoTex.
ExoTex Dacron is the next generation, hi-tech kite fabric. Exclusively developed for CORE in Germany by Dimension Polyant, the world leader in yacht sail design and manufacturing. The new fabric features increased dimensional stability, ripstop and UV protection without adding additional weight. The higher performance is, in part, achieved through an innovative weaving process incorporating a unique vertical thread structure and a new emulsion process.

Upon close inspection, you will not see reinforcing warp and weft filaments in a regular square pattern but, rather, in a longer, narrower rectangular pattern. This unique weave pattern substantially increases fabric strength and rigidity. Like a shark cage that protects its diver, the new Dacron which encases the XR4, Section and Impact’s leading edge and struts benefit from its cage-like high strength. The newfound rigidity permits a thinner, stiffer, and higher pressure exoskeleton to better support canopy forces. Less material is used. Rider input is transmitted instantaneously to deliver confident turns, impeccable manners and a signature feel. And forget worrying about your kite going “soft” over time. Your new ExoTex equipped will remain rigid for years of fun in the sun.
Rob Kidnie on
Best Wind Directions for Kitesurfing

Steven Akkersdijk
on Trimming for Unhooked Freestyle
XR. Any wind. Any style. A power delta bow kite. And now in black! For pure adrenaline pumping hangtime. A kite that delivers ridiculous whoo-hoos in any conditions. A kite that always has your back.

From freeriding to surf the 4th generation, ExoTex equipped, XR delivers control in the gusts and power in the lulls. Your ticket to relaxed cruising, explosive boosts or sublime wave riding. Experience for yourself the XR’s chameleon like ability to transform to any style or riding level.

The XR4. A chameleon. A bestseller. And now available in black or original white.
THE WUNDERKITE

Technically identical, the new black edition delivers the same whoo-hoos as our classic white edition. The same comfort and high performance you expect from an XR series kite. How can we build a high performance all-rounder? With technological innovations like our flight control system, our unique safety system and our intelligent trim system. It is this kind of innovation that exemplifies the design team’s drive to create the perfect all-round kite. And the market responded, making the XR series a bestseller. See the innovation we squeezed into the new XR4:

**STYLEFINDER**

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**SKILL LEVEL**

- Pro
- Expert
- Intermediate
- Beginner

**SENSOR BAR READY**

The XR4 is fully compatible with the Sensor 2 or the titanium cored Sensor Pro bar which feature precise kite control and our unparalleled Supported Single Frontline Safety (SSF) system. Find out why our bars work best on page 42. Naturally, the XR4 is also compatible with older 4 line CORE bars too.

**SPEED VALVE 2**

No special hose adapter needed here! The heavy duty Speed Valve 2 connects directly to any standard 20mm O.D. twist lock pump hose. The Speed Valve 2 maximizes airflow, minimizes inflation times and noticeably reduces pump pressure. The valve location also protects it from beach hazards. This inflation/deflation system is so good you may even leave your electric pump at home.

**5 STRUT FRAME**

The classic, bombproof, 5 strut exoskeleton frame is a critical component in the XR4 design to stabilize the additional power created by our Intelligent Arc system.

**INTELLIGENT ARC**

Intelligent Arc is a bridle configuration that modifies the airfoil on demand in a linear and direct way. Like a bird that spreads its wings to generate more lift, the XR4 increases its wingspan with a pull on the bar. Likewise, sheeting out makes the kite fold in its wings and depower. Intelligent Arc. For precise, controllable, power and depower on demand.

**SPEED PUMP SYSTEM**

Supersonic inflation! We re-routed and enlarged the speed pump strut distribution hoses. We also designed more aerodynamic strut access points to make air flow faster into the bladders. We did this all for you because we know how much you enjoy inflating your kite.

**SHORT BRIDLE SYSTEM**

Short and sweet. The super short bridle system improves feedback so you can better feel your kite position. For precise, tight pivot turns. In the larger kite sizes, this reflexivity increases even more so. Just imagine a kite that practically anticipates every turn, as if it’s hot wired to your brain. This is the new XR4.

**INSTANT AUTO RELAUNCH**

Instant relaunch really is instant! The XR4 is designed to immediately drift into a perfect relaunch position whenever the bar is released. Wave riders will appreciate how easily the kite releases from the water when time is of the essence. So go ahead and try that strapless 360, you know your XR4 has your back.
DELTA BOW SHAPE

The XR4 incorporates the concave trailing edge of a traditional bow kite and swept back wings of a delta kite. Our airfoil is engineered to rip upwind when underpowered, boost bigger on demand and get you planing first!

EXOTEX®


CORETEX® TRIPLE RIPSTOP

Exclusive to CORE. Our, industry leading, triple ripstop canopy fabric is protected and strengthened with three different coating processes called emulsions. CoreTex sets new benchmarks in breaking strength, tear resistance, longevity, UV protection and elongation. Feel the tight, crisp signature only a CoreTex kite can deliver.

GRINTEX® PATCHES

Anti-wear patches where you need them. New, extreme abrasion resistant patches on leading edge segment seams and strut attachment points will give you another level of protection from those perfectly placed beach hazards.

CORE INTELLIGENT TRIM SYSTEM

Kite speed and bar pressure is a matter of choice. Your choice. With fully adjustable back line tension, bar pressure and kite turning speed, our quick adjusting trim system gives you the freedom to ride any way you like. But don’t worry, the kite comes out of the bag ready to fly so you can play with the adjustments later.

6 YEAR PARTS AVAILABILITY

CORE kites are built to last. Our legendary durability is backed by a six year parts availability guarantee. We will stock all XR4 replacement parts for a minimum of six years from date of purchase.

SPECIAL FEATURES

Kite includes: custom backpack, manual and repair kit.
LW edition includes: custom backpack, manual, repair kit and 3m line extensions.

<table>
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* suggested retail price

Find out more about the LW lightwind edition on page 24.
CORE GTS3
RADICALLY VERSATILE.
Meet the GTS3. A bridled, three strut, C-kite. A 3-in-1 style master. Your first choice for unhooked freestyle, relaxed freeriding, or waves. With its linear and predictable behavior, you might think the kite is virtually connected to your cortex. Its signature turns complement any transition and gets you going when that big wave is chasing you down. Try the ultra agile wave...kiteloop...unhooked...freeride machine soon. And experience its versatility.

GTS3. Light, zippy and super precise in freestyle or waves. Raise your game with the GTS3.
KITES

GTS³

THE SPORTY 3-IN-1 KITE

Unleash your inner freestyle ninja with the three strut, Future-C GTS3. With its impeccable unhooked manners, wave prowess, and precise yet playful freeriding. Check out all the tech stuff we squeezed into this kite.

STYLEFINDER

- Freeride / Easy Riding / Hangtime
- Freestyle (hooked-in) / Big Air
- Wakestyle (unhooked)
- Kiteloops
- Wave
- Race / Upwind

SKILL LEVEL

- Pro
- Expert
- Intermediate
- Beginner

SENSOR BAR READY

The GTS3 is fully compatible with the Sensor 2 or the Sensor Pro bar which feature precise kite control and our unparalleled Supported Single Frontline Safety (SSF) system. Find out why our bars work best on page 42. Naturally, the GTS3 is also compatible with older four line CORE bars too.

SPEED VALVE 2

No special hose adapter needed here! The heavy duty Speed Valve 2 connects directly to any standard 20mm O.D. twist lock pump hose. The Speed Valve 2 maximizes airflow, minimizes inflation times and noticeably reduces pump pressure. The valve location also protects it from beach hazards. This inflation/deflation system is so good you may even leave your electric pump at home.

3 STRUT FRAME

Three struts promote more twist than five. More twist initiates faster turns. Fewer struts also reduce kite weight which helps slack line drifting.

FUTURE-C SHAPE

True C-kite feel. For snappy turns with a controlled and consistent pull. And for the GTS3, we cut the shape even deeper (thus increasing tip length over the previous GTS2) for even more reliable turns.

SPEED PUMP SYSTEM

Supersonic inflation! We re-routed and enlarged the speed pump strut distribution hoses. We also designed more aerodynamic strut access points to make air flow faster into the bladders. We did this all for you because we know how much you enjoy inflating your kite.

SHORT BRIDLE SYSTEM

Short and sweet. The super short bridle system improves feedback so you can better feel your kite position. For precise, tight turns. In the larger kite sizes, this reflexivity increases even more so. Just imagine a kite that practically anticipates every turn, as if it’s hot-wired to your brain.

INSTANT AUTO RELAUNCH

Instant relaunch really is instant! The GTS3 is designed to immediately drift into a perfect relaunch position whenever the bar is released. Wave riders will appreciate how easily the kite releases from the water when time is of the essence. So go ahead and try that strapless 360, you know your GTS3 has your back.
CORETEX® TRIPLE RIPSTOP

Exclusive to CORE. Our, industry leading, triple ripstop canopy fabric is protected and strengthened with three different coating processes called emulsions. CoreTex sets new benchmarks in breaking strength, tear resistance, longevity, UV protection and elongation. Feel the tight, crisp signature only a CoreTex kite can deliver.

HF DACRON

HF or Hard Finish Dacron is an exceptionally durable Dacron which we use to reinforce the kite frame and steering areas promoting a more direct and crisp response to bar input.

GRINTEX® PATCHES

Anti-wear patches where you need them. New, extreme abrasion resistant patches on leading edge segment seams and strut attachment points will give you another level of protection from those perfectly placed beach hazards.

RADICAL REACTION TIPS

The GTS3 inherits cat-like reflexes from its thin, square-ish, ‘C-style’, wing tips. The swept design is slightly lengthened over the GTS2 for even better response.

6 YEAR PARTS AVAILABILITY

CORE kites are built to last. Our legendary durability is backed by a six year parts availability guarantee. We will stock all GTS3 replacement parts for a minimum of six years from date of purchase.

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CORE INTELLIGENT TRIM SYSTEM

Kite speed and bar pressure are a matter of choice. Your choice. With fully adjustable back line tension, bar pressure and kite turning speed, our quick adjusting trim system gives you the freedom to ride any way you like. But don’t worry, the kite comes out of the bag ready to fly so you can play with the adjustments later.

Kite includes:
custom backpack,
manual and repair kit.

Find out more about the LW lightwind edition on page 24.
CORE LW KITES
LIGHTWIND EXPERTS.

24
Some days don’t deliver the conditions your mobile weather app promised. And that’s OK when you have a CORE LW lightwind edition. A CORE LW kite will make every marginal day, a day to remember. With virtually the same control and agility as your smaller CORE kites, you may even pine for the occasional low wind day.

Expect functional simplicity and high performance from CORE’s lightwind kites. Freestylin’ in ten knots with the GTS3 LW and planing in six knots with the 19m XR4 LW. With precise kite control only a Sensor 2 bar system delivers.

CORE LW Editions in GTS3, XR4, and Section. Guaranteed to deliver miles of smiles.
Although the XR4, GTS3, and Section LW Editions are similar in shape, they each have their own distinct character. While the XR4 LW is noted for its sheet and go simplicity and sheer power, the GTS LW is the early freestylin' ninja and the Section LW is the small wave warrior. They share the same technology as their smaller siblings and incorporate additional LW features like CoreTex Light canopy fabric, ExoTex struts, Dacron reduced tips, thinner tubes and other weight saving construction techniques. And just like their smaller siblings, all the LW Editions have excellent manners in gusty conditions and release exceptionally well from the water.

CORE's LW Editions. Same feel. Easy waterstarts. And a little lighter.

**KITES**

**Kites include:**
All LW Editions include a custom backpack, manual, repair kit and 3m line extensions.

**CORETEX® LIGHT**
Exclusive to CORE's LW Editions. Just a little lighter. Our, industry leading, ripstop canopy fabric is just as durable as the original CoreTex yet sets new benchmarks in breaking strength, tear resistance, longevity and UV protection. Feel the tight, crisp signature only a CoreTex Light kite delivers.

**SESSION SAVER**
Unadulterated, Delta Bow power. Five, ExoTex equipped struts for rock solid stability. And Intelligent Arc for control in the gusts and power in the lulls. The king of hangtime. And the most powerful of the three LW Editions.

**STYLEFINDER**
- Freeride / Easy Riding / Hangtime
- Freestyle (hooked-in) / Big Air
- Wakestyle (unhooked)
- Kiteloops
- Wave
- Race / Upwind

**SKILL LEVEL**
- Pro
- Expert
- Intermediate
- Beginner

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<td>2.5 - 5</td>
<td>6 - 18</td>
<td>1849 EUR</td>
</tr>
<tr>
<td>GTS3 LW 15.0</td>
<td>3 - 5</td>
<td>9 - 20</td>
<td>1549 EUR</td>
</tr>
<tr>
<td>GTS3 LW 17.0</td>
<td>2.5 - 5</td>
<td>8 - 19</td>
<td>1599 EUR</td>
</tr>
<tr>
<td>SECTION LW 12.0</td>
<td>3.5 - 6</td>
<td>9 - 24</td>
<td>1449 EUR</td>
</tr>
<tr>
<td>SECTION LW 14.0</td>
<td>3 - 5</td>
<td>9 - 21</td>
<td>1549 EUR</td>
</tr>
</tbody>
</table>

* suggested retail price.
SMALL WAVE WARRIOR

For those who want to get the most out of a marginal day. Just like its smaller siblings, the GTS3 LW carries over much of the 3 strut design to retain its agile, freestyle character. The perfect partner for those not so perfect days. Delivering enough pop for you to lay down some moves while everyone else is mowing the lawn.

Sometimes you find super clean, waist high, rollers are unrideable because your current lightwind kite is not agile enough to follow. It prefers to yank you off your strapless surfboard when you ride. This is why we created the lightwind surf kite for little waves. Because little waves can be just as fun too. The Section LW with its slightly higher aspect ratio (than its siblings), Radical Reaction Tips, and 3 strut construction is designed to drift without fuss and turn on a dime when you need to.

SMALL WAVE WARRIOR

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THE CORE LIGHTWIND SYSTEM:

SLIM STRUTS

XR4 LW, GTS3 LW and Section LW feature thinner struts than their siblings. Slimmer struts reduce weight and translate bar commands into action more quickly.

ULTRALIGHT TIPS

All LW Editions feature reduced Dacron leading and trailing edge designs with the exception of the areas in contact with the beach when launching and landing. Those areas are particularly robust and designed to take a beating.

SPEED PROFILE

All LW Editions incorporate a flatter wing profile to reduce wind resistance and unwanted lateral pressure. A more efficient and aerodynamic kite profile can generate more apparent wind and thereby create more lift and power. Fly faster. And fly earlier with the LW editions.

STYLEFINDER

Freeride / Easy Riding / Hangtime
Freestyle (hooked-in) / Big Air
Wakestyle (unhooked)
Kiteloops
Wave
Race / Upwind

SKILL LEVEL

Pro
Expert
Intermediate
Beginner

STYLEFINDER

Freeride / Easy Riding / Hangtime
Freestyle (hooked-in) / Big Air
Wakestyle (unhooked)
Kiteloops
Wave
Race / Upwind

SKILL LEVEL

Pro
Expert
Intermediate
Beginner

SKILL LEVEL

Pro
Expert
Intermediate
Beginner

SKILL LEVEL
How high you jump depends on technique, timing and practice. Whereas experienced kiters easily jump 20+ feet in height, professionals may jump double that or more. How do the Pros get that high? With kite and board speed. So practice safely and have fun trying!

Let's for a moment discuss kite choice. Some say go one or two sizes bigger. I disagree. An oversized kite might feel powerful, but it also loses some controllability. So it’s better to use good technique and a controllable kite like the XR4 for big hangtime. To select the right kite, you need to find a size where the kite “powers up” when you pull the control bar approximately a third of the way. To check this, fly your kite in a safe location at twelve o’clock and pull in the bar. The sweet spot is where you feel progressively more bar pressure and you start standing on your toes. If this spot is in the upper third of the bar range; then it’s perfect for your big air session. If not, you can adjust your bar by shortening the back lines or extending the front lines. If that doesn’t work, go one size larger.

Board and leash choice is next. You need a board that holds an edge like the Fusion 2 with its progressive channels. If you plan on trying grabs, one legged tricks or board-offs you will appreciate a big grab handle. A short leash like the one included with the Sensor 2 or Sensor Pro bar is best for hooked-in maneuvers as it is less likely to get tangled in your gear. A long leash, on the other hand, is more appropriate for wakestyle.

Before you enter the water for your first or 100th big air session, you should always consider beach and kite safety. What’s your spot looking like? With big air, forget about shallow water… It’s all about deep water (or at least shoulder deep water). Is the wind consistent and blowing side-onshore? Onshore winds can blow you onto the beach before you know it. And forget about offshore winds. Do you have enough room with no downwind obstacles like swimmers, kiters, surfers etc? Are you far enough away from the beach or other kiters in case something goes wrong? Did you check your gear for wear and tear? Are you sharp? Or have you been kiting for hours and are very tired.

Remember to play safe and start small. You can develop good timing and technique just as well on smaller jumps. And the more you practice, the better your technique and timing.

Now, for your flying lesson:
**PRO RIDER MARILOU LAVALLÉE ON BIG AIRS**

No other watersport lets you fly like a bird. With today's modern kites, you might ask yourself whether a pilot's license is in order. Well, maybe not but a flying lesson may help you reach new heights with your CORE kite.

---

**THE APPROACH**

Look downwind, spot your take-off and look 100 meters further. Is it all clear? With your kite at 11 or 1 o'clock (depending on your tack) start accelerating upwind. The more speed you have on take-off, the higher your flight. Edge too hard and you will kill your speed. You need to find the right balance between edging hard and maintaining your speed.

---

**TAKE-OFF**

Now focus on your take-off point. Your take-off spot could be flatwater or a nicely ramped wave. Ramps add huge height when your timing is on. If your timing is off, you will likely swing like a pendulum. Although the XR4 is the king of hangtime, it still takes time, practice and experience. So don't get frustrated. Keep on trying! While edging hard, firmly move the kite in the opposite direction (of your travel) say from eleven to one o'clock (if your left foot is forward). Continue edging and then jump as the kite approaches twelve o'clock. Jump too early or too late and you will lose all your height.

---

**LIFT AND HANGTIME**

And now the fun part. Pull in the bar all the way and hold it there. Holding in the bar extends your hangtime and delivers a smoother landing. This is where the XR4 excels. Like a bird that spreads its' wings to generate more lift, the XR4 increases its' wingspan with a pull on the bar. Pull in your knees and make yourself small for easy body control. And continue to fly the kite directly overhead and downwind. As you progress, add some board grabs for style points.

---

**THE LANDING**

As you drift down, focus on your landing downwind. Your knees are slightly bent and ready to cushion the impact. Just before landing move your kite back to eleven o'clock to give you forward momentum to land planing. Continue to hold in your bar and point your board in the same direction as your flight as you make contact with the water. A soft landing means you did everything perfect! Congratulations! Now release that adrenaline rush with a few fist pumps and whoo hoos because you just landed your first big air.
The no compromise, no nonsense, C-kite. For those adrenalin pumping unhooked moves you keep on trying. We say ... more power to you. And now, ten years after launching the fabled C-kite, known as the Carved Unit, we give you the power to master your inner freestyle and wakestyle ninjas with the new CORE Impact. So, for you C-kite purists, we won't bore you with hyperbole, we'll stick to telling you what makes this kite tick.
PURE C-KITE

Unadulterated and pure perfection. Squared tips and bridleless. A dedicated freestyle/wakestyle machine with an extremely deep C-shape. For the most controllable, slack-able, freestyle kite possible. See what makes it tick:

SENSEOR BAR READY

Although the Impact is a five line kite, it is still fully compatible with the Sensor 2 or the titanium cored Sensor Pro bar which feature precise kite control and our unparalleled Supported Single Frontline Safety (SSF) system. The Impact comes with a 5th line conversion kit for any Sensor 2 or Pro bar. The conversion is simple and takes no time at all. The Impact is not compatible with older four line CORE bars, though.

SKILL LEVEL

Freeride / Easy Riding / Hangtime
Freestyle (hooked-in) / Big Air
Wakestyle (unhooked)
Kiteloops
Wave
Race / Upwind

ACTIVE 5TH LINE SAFETY

Classic 5th line safety with a bonus. The Impact’s 5th line and safety line always remain perfectly tensioned regardless of the trim adjuster cleat setting. For a perfect flight profile.

RAPID RELAUNCH

Get more out of your freestyle session. With its wide tips and small diameter front tube, the Impact releases better from the water than you would think. One pull on the steering line is all you need to get the Impact flying again so you can spend more time mastering your latest handle passes.

5 LINE SETUP

No bridle or pulleys here. Just simple and direct line connections to the kite. Feel where your kite is when you are blind.

DEEP-C SHAPE

With slightly longer tips than the GTS3, the Impact retains a more classical C-shape. As such, expect a consistent, uniform pull through your rotations and transitions so you can focus on your moves and not the kite’s.

SPEED PUMP SYSTEM

Supersonic inflation! We installed extra large speed-pump strut distribution air lines. And the aerodynamic strut access points make air flow super fast into the bladders. We did this all for you because we know how much you enjoy inflating your kite.

5 STRUT FRAME

The classic, bombproof, 5 strut exoskeleton frame is a critical component in the Impact design to control and stabilize the kite during kite rotations. Stability creates predictable kite behavior when you need it most. Don’t compromise. Go with 5.

SPEED VALVE 2

No special hose adapter needed here! The heavy duty Speed Valve 2 connects directly to any standard 20mm O.D. twist lock pump hose. The Speed Valve 2 maximizes airflow, minimizes inflation times and noticeably reduces pump pressure. The valve location also protects it from beach hazards. This inflation/deflation system is so good you may even leave your electric pump at home.
**EXOTEX®**

Made in Germany. Exceptionally strong. ExoTex Dacron incorporates a new asymmetrical weave and emulsion (protective coating) process. The stronger fabric improves airflow by permitting reduced leading edge and strut diameters. Despite reducing strut diameters, our new ExoTex Dacron improves kite stiffness, flight stability and rider feedback.

**CORETEX® TRIPLE RIPSTOP**

Exclusive to CORE. Our, industry-leading, triple ripstop canopy fabric is protected and strengthened with three different coating processes called emulsions. CoreTex sets new benchmarks in breaking strength, tear resistance, longevity, UV protection and elongation. Feel the tight, crisp signature only a CoreTex kite delivers.

**GRINTEX® PATCHES**

Anti-wear patches where you need them. New, extreme abrasion resistant patches on leading edge segment seams and strut attachment points will give you another level of protection from those perfectly placed beach hazards.

**CLASSIC-C TIPS**

Real C-kites have square wingtips. Connecting lines directly to the square wingtip provides the direct connection you demand and the “slack lining” you expect from a true C-kite.

**CUSTOM TRIM SYSTEM**

The Impact has three backline and three frontline attachment points to customize your bar pressure and kite flying style.

**6 YEAR PARTS AVAILABILITY**

CORE kites are built to last. Our legendary durability is backed by a six year parts availability guarantee. We will stock all Impact replacement parts for a minimum of six years from date of purchase.

---

**SPECIAL FEATURES**

- **EXOTEX®**
- **CORETEX® TRIPLE RIPSTOP**
- **GRINTEX® PATCHES**
- **CLASSIC-C TIPS**
- **CUSTOM TRIM SYSTEM**

---

**KITE INCLUDES:**
- custom backpack,
- Active 5th line conversion kit,
- repair kit
- and manual

---

**KITE** | **BEAUFORT** | **KNOTS** | **PRICE (*)**
--- | --- | --- | ---
IMPACT 7.0 | 5.5 - 7.5 | 20 - 34 | 1099 EUR
IMPACT 9.0 | 4.5 - 6.5 | 15 - 28 | 1249 EUR
IMPACT 11.0 | 4 - 5.5 | 13 - 20 | 1399 EUR
IMPACT 13.0 | 3.5 - 5 | 10 - 17 | 1499 EUR

* Suggested retail price
»Defensive trimming brings out the best.«

NAME
Steven Akkersdijk

NATIONALITY
Dutch

AGE
22

HEIGHT
198 cm

WEIGHT
87 kg

HOME KITE SPOT
Workum, The Netherlands

KITE
8m and 17m GTS3

SPECIAL: WHAT EXACTLY IS “SLACK”?
You may have heard the term used as it applies to unhooked riding. Slack is the moment after you load and pop out of the water and your kite stops pulling. The back lines slacken allowing you to nail that Raley or pull the bar in towards your hips for a slick handle pass.

We call this moment of slack the sweet spot. Freestyle kites are designed to have a longer sweet spot than freeride kites which makes them better for unhooked maneuvers. You can also extend your sweet spot and get more height by really edging hard before you pop.
PRO RIDER STEVEN AKKERSDIJK
ON TRIMMING FOR UNHOOKED FREESTYLE

Unhooked is the most radical kite discipline. No other riding style depends more on correct kite trim. For most, unhooked tricks look impossible when powered up. For good reason as there is a good chance your kite will stall on or before the landing if overpowered. Next time you try unhooking follow these easy pre flight tips for a more successful session.

1. CHECK YOUR STEERING LINE KITE CONNECTIONS

CORE kites have three speed settings for the steering lines. Medium, fast or super fast. Medium or fast work best for freestyle because these settings allow you to make small steering mistakes during your moves. The wakestyle setting is the most stable and forgiving position. The super fast wave setting is not recommended for unhooked riding at all. Rule of thumb is to go with the middle setting for your first session. And if you have to adjust your trim too often during your session, then use the wakestyle setting. Steering pressure is also adjustable on your CORE kite, but it has no impact on freestyle and is more a personal preference issue.

2. STEERING LINE LENGTH

Every CORE kite has three steering line length options on each wing tip pigtail. In unhooked freestyle, a sluggish kite is preferred. One that responds more slowly to bar input. And one that accommodates small mistakes. The best setting for this is the middle or last knot on the steering line pigtails. If you are constantly trimming your kite with the adjuster, move your lines down to the end knot on the pigtails.

3. CLAMCLEAT TRIM ADJUSTER

Remember, the goal is to slow the kite down and prevent stalling. To determine which clamcleat trim adjuster setting is best, slowly pull the bar in fully (power up the kite) when the kite is at twelve o’clock. Do this in a safe location and in wind conditions where you will not get lofted. Did the kite fall back into the wind window when you pulled in the bar? If so, the kite stalled. Depower the kite until the kite does no longer stalls when you pull in the bar fully.

One more thing:
Wind speed has a huge impact on kite trim. In low winds, you may be tempted to power up your kite. This will put too much tension (not enough slack) on the back lines for your unhooked tricks. The kite will likely stall and lose power. You are much better off trimming defensively and playing with a slightly depowered kite. And a couple sessions from now, you will be layin’ ’em down like a pro!

SPECIAL: WHAT EXACTLY IS “SLACK”?

You may have heard the term used as it applies to unhooked riding. Slack is the moment after you load and pop out of the water and your kite stops pulling. The back lines slacken allowing you to nail that Raley or pull the bar in towards your hips for a slick handle pass.

We call this moment of slack the sweet spot. Freestyle kites are designed to have a longer sweet spot than freeride kites which makes them better for unhooked maneuvers. You can also extend your sweet spot and get more height by really edging hard before you pop.
For some, it’s all about the waves. A three dimensional playground to explore and experiment on. And to get the most out of your wave session, we’ve built the Section. A purebred wave kite with three struts, lightweight construction, perfect balance and super quick reflexes. A kite that stays put while you ride those super fast waves. A kite that doesn’t stall out when you’re toeside on a wind driven ten footer. A kite for all you strapped and strapless wave junkies that will drive hours for that magical wave session.
**SECTION**

**THE SUPER AGILE WAVE SPECIALIST**

You know who you are. You live for waves. Nothing else matters. We made the new CORE Section just for you. A dedicated wave kite for down-the-liners. Off-the-lippers. And in-the-tubers. The no compromise, three strut, super fast, park-and-forget-about-it wave kite. So, for you hardcore wave junkies, allow us to show you what we packed into the ultimate wave kite.

---

**STYLEFINDER**

Freeride / Easy Riding / Hangtime ●●●●
Freestyle (hooked-in) / Big Air ●●●●
Wakestyle (unhooked) ●●●●
Kiteloops ●●●●
Wave ●●●●
Race / Upwind ●●●●

**SKILL LEVEL**

Pro ●●●●●
Expert ●●●●
Intermediate ●●●
Beginner ●●●

---

**SENSOR BAR READY**

The Section is fully compatible with the Sensor 2 or the titanium cored Sensor Pro bar which feature precise kite control and our unparalleled Supported Single Frontline Safety (SSF) system. Find out why our bars work best on page 42. Naturally, the Section is also compatible with older four line CORE bars too.

---

**SPEED VALVE 2**

No special hose adapter needed here! The heavy duty Speed Valve 2 connects directly to any standard 20mm O.D. twist lock pump hose. The Speed Valve 2 maximizes airflow, minimizes inflation times and noticeably reduces pump pressure. The valve location also protects it from beach hazards. This inflation/deflation system is so good you may even leave your electric pump at home.

---

**ULTRALIGHT 3 STRUT FRAME**

Three struts is the perfect balance between flexibility and weight. The Section’s sharply reduced strut and leading edge diameter use the least Dacron of any CORE kite. This weight saving measure makes for superb balance and slack-line drifting. Three strut design. Perfect for those pivot down loops on your bottom turns.

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**FUTURE-C SHAPE**

The moderate Future-C shape delivers fast, tight turns and precise control. The Section is also marginally more open (that is, slightly ‘flatter’) than the GTS3 to promote better drifting.

---

**SPEED PUMP SYSTEM**

Supersonic inflation! We installed extra large speed pump strut distribution air lines. And the aerodynamic strut access points make air flow super fast into the bladders. We did this all for you because we know how much you enjoy inflating your kite.

---

**SHORT BRIDLE SYSTEM**

Short and sweet. The super short bridle system improves feedback so you can better feel your kite position. For precise control. In the larger kite sizes, this reflexivity increases even more so. Just imagine a kite that practically anticipates every turn, as if it’s hot wired to your brain.

---

**INSTANT AUTO RELAUNCH**

Instant relaunch is critical when a wave is barreling down on your kite. The Section is designed to immediately drift into a perfect relaunch position whenever the bar is released. Wave riders will appreciate how easily the kite releases from the water with a quick tug when time is of the essence. So go ahead and try that strapless 360, you know your Section has your back.
The Section's airfoil features a further setback maximum camber and a slightly lower aspect ratio to improve slack line drift. Give it gas, though, and the Section responds instinctively.

EXOTEX®

Made in Germany. Exceptionally strong. ExoTex Dacron incorporates a new asymmetrical weave and emulsion (protective coating) process. The stronger fabric improves airflow by permitting reduced leading edge and strut diameters. Despite reducing strut diameters, our new ExoTex Dacron improves kite stiffness, flight stability and rider feedback.

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Exclusive to CORE. Our, industry leading, triple ripstop canopy fabric is protected and strengthened with three different coating processes called emulsions. CoreTex sets new benchmarks in breaking strength, tear resistance, longevity, UV protection and elongation. Feel the tight, crisp signature only a CoreTex kite delivers.

GRINTEX® PATCHES

Anti-wear patches where you need them. New, extreme abrasion resistant patches on leading edge segment seams and strut attachment points will give you another level of protection from those perfectly placed beach hazards.

RADICAL REACTION TIPS

For catlike reflexes. Leveraging our GTS3 knowhow, we finely tuned the Section’s wingtips for pure wave riding magic. In a side by side comparison, the Section’s wingtip is a tad shorter and less square than the GTS3. The fine tuning optimizes the Section’s reflexes, agility and directional control in waves.

CORE INTELLIGENT TRIM SYSTEM (CIT)

Kite speed and bar pressure is a matter of choice. Your choice. With fully adjustable back line tension (aka trim), bar pressure and kite turning speed, our quick adjusting trim system gives you the freedom to ride any way you like. So go ahead and play with your trim settings and find your inner wave ninja.

6 YEAR PARTS AVAILABILITY

CORE kites are built to last. Our legendary durability is backed by a six year parts availability guarantee. We will stock all Section replacement parts for a minimum of six years from date of purchase.
»Sideshore, with a touch side off.«
I often dream about those sunny days pumping up my 7m Section and heading out with my buddies on a Ripper 2 looking for those perfectly shaped, long, peeling waves. There is nothing better than parking my kite to focus on riding the waves like a regular surfer. On those perfect days, my sunscreen will be caked on an inch thick and I will ride for five or more hours before calling it a day. Unlike surfing, though, kiting saves me paddle time, lets me ride more of the wave and gets me on ten times the number of waves. And my trusty Section gets me out of those sticky spots like a poorly timed top turn off the lip.

And sometimes, I enjoy a wind with a touch offshore in it. You are probably asking yourself whether kiting in offshore winds is safe and the short answer is no. So what attracts experienced riders to side-off and offshore conditions then? Well, an offshore wind grooms the face of the wave taking out the bumps. Kiting on butter smooth wave faces is not normal as strong wind, inevitably, brings choppy, messy, waves. It’s a pretty special feeling very much like snowboarding in powder. And that is why people do it. If you do decide to search out side-off wind and glassy smooth waves, you must be prepared and have an escape plan.

Kiting in any offshore wind is potentially very dangerous and you really need to have a backup plan should things not go the way you intended. For example, having a watchful boat or Jetski patrol is ideal. At One-Eye, in Mauritius, most of the local wave riders ride with a cheap mobile phone in a waterproof bag so they can call the local kite school for a rescue. If you don’t have a safety or rescue plan and the wind is blowing offshore, don’t go out! Leave side off conditions for highly experienced locals and enjoy onshore wave riding.

The most common wind direction is onshore or cross-onshore. It is a safe wind direction that pushes you back to shore when you have kite issues. I really enjoy riding strapless in onshore 20+ kt winds because the wind pushes the board against my feet when I jump. Perfect! Light onshore wind and fast waves can be challenging because the wave will take power away from your kite. My tip for onshore kiting is fly a fast kite like the GTS3 or Section.

Wave riding is my thing. Let it be yours too. Just remember, a day playing on the waves with your best friends beats any day in the office.

---

**PRO RIDER ROB KIDNIE ON BEST WIND DIRECTIONS FOR KITESURFING**

Wave height is only one ingredient in a great wave session. Another is wind direction and it can turn an OK session into an epic everlasting memory. Everyone has their own preferred wind direction and mine is an 18 to 25 knot side shore wind.

---

**NAME**

Rob Kidnie

**NATIONALITY**

Australian

**AGE**

39

**HEIGHT**

182 cm

**WEIGHT**

80 kg

**HOME KITE SPOT**

Mui Né, Vietnam

**KITE**

7m Section
SENSOR BAR SYSTEM

LIGHT. DIRECT. SAFE.

SENSOR PRO

SENSOR 2

CORE KITEBOARDING 2016/2017
Your session stoke factor relies heavily on your gear. Your harness, kite, bar and board all play a role. But some play a bigger role in how your day turns out. A great kite, for example, may disappoint when paired with a "cheap" bar. Here at CORE, we believe the control bar contributes more than you would expect to kite performance and feel. And so, we remind our product engineers to raise the bar with the Sensor 2!

Control bar R&D is a priority here at CORE. We work very hard to bring leading edge materials and ideas to control bar development while maintaining its functional simplicity and safety. One look at a CORE bar is all it takes to appreciate the quality, precision and the technology. With German engineering, titanium cores and unique safety systems, the Sensor 2 and Sensor Pro bar elevates any CORE kite session to an “11” on the stoke factor scale. Well, at least a “9” anyways.

With two choices in bars, CORE has you covered. The innovative Sensor 2 bar is our go-to bar for any kite we sell. This, titanium cored, control bar gets every last bit of performance out of your CORE kite. But if that’s not enough, we have the Sensor Pro bar. The ultimate bar. Period. The lightest, strongest, most durable bar out there. Yet with the same simple, intuitive control as our Sensor 2.

Line length: Just as important as kite size.
**Bars**

**Spliced Ends**

A small but important detail relates to how we finish our line end loops. We don't simply fold over the line and stitch it up. No, that's cheating. We braid the loop before stitching and finishing for a safer, stronger, and more aerodynamic connection.

**24 Meter Lines**

Made in Germany quality. Our line supplier, Liros, is a name synonymous with line innovation and workmanship. For example, they pre-stretch our lines under heat. Only 1.8mm thick and a breaking strength of 368 kg, the Sensor 2 lines will perform beyond your expectations.

**Vario Width**

One bar covers all our kite sizes. From 5 to 19m! Nice. The Sensor 2 bar width is adjustable from 46cm to 52cm by moving one knot. The best design ideas are the simple ones. Switching widths is as easy as 1. Pull back the floater exposing the bar end leader. 2. Undo larks head knot on the back line where it attaches to the bar leader. 3. Pull on the opposite bar leader knot and reconnect larks head. Simple. And unbreakable.

**Titanium Core**

Leave it to CORE to design the strongest bar ever. We engineered an internal, aircraft quality, grade 5 titanium alloy truss to reinforce the bar. The titanium’s featherweight rigidity gives, in part, the Sensor 2’s direct feel.

**Rotor Quick Release**

The only 2-way quick release you do not have to think about. Releasing the kite is as simple as turning the mechanism in either direction for a simple, safe and intuitive process. It’s well known that more torque can be generated twisting than pushing or pulling. Unlike conventional systems, our quick release does not require you to overcome the flow of water. The Rotor sets the standard for ease of use, safety, and performance.

Another advantage of the Rotor over conventional push/pull systems is size. The Rotor is shorter, lighter and more compact than those other systems. All things being equal, a shorter Rotor permits a closer trim adjuster location. And who would not want to have a shorter reach to the trim adjuster?

**Auto Untwist**

Functional simplicity. Untwisting your front lines after looping your kite is as simple as pulling in the bar. Front line twists only occur below the Sensor 2 bar. A below the bar swivel unravels the front lines when the bar is pulled in. The days of manually spinning the front line swivel are over. Welcome to the era of auto untwist!

**Core Loop/Stick Set**

You will even find CORE engineering at work here too. We designed the loop stick to move out of the way when unhooking so hooking back in is easier. This design also prevents unintentional unhooking too. Nice touch? We think so.

**EVA Grip**

The Sensor 2 sports a deeply contoured EVA grip for long lasting comfort and excellent hold.

**230g Unibody Bar**

Less is more. The locally made, featherlight, unibody bar comes in at a mere 230g. The key to the Sensor 2’s light and super direct feel is found in its low mass and redesigned bar end design.

**Supported Single Frontline Safety (SSF)**

Exclusive to CORE. When the Rotor quick release is activated, the kite will release all its power, and gently drift with the leading edge facing down and nose to the wind until the front tube kisses the water. The kite will stay in a ‘drift launch position’ (nose to wind) until you are ready. How does SSF work and why does the kite not ‘turtle’ and stay in the air? Find out how and why on page 47.

**Spliced Ends**

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**Vario Width**

One bar covers all our kite sizes. From 5 to 19m! Nice. The Sensor 2 bar width is adjustable from 46cm to 52cm by moving one knot. The best design ideas are the simple ones. Switching widths is as easy as 1. Pull back the floater exposing the bar end leader. 2. Undo larks head knot on the back line where it attaches to the bar leader. 3. Pull on the opposite bar leader knot and reconnect larks head. Simple. And unbreakable.

**Titanium Core**

Leave it to CORE to design the strongest bar ever. We engineered an internal, aircraft quality, grade 5 titanium alloy truss to reinforce the bar. The titanium’s featherweight rigidity gives, in part, the Sensor 2’s direct feel.

**Rotor Quick Release**

The only 2-way quick release you do not have to think about. Releasing the kite is as simple as turning the mechanism in either direction for a simple, safe and intuitive process. It’s well known that more torque can be generated twisting than pushing or pulling. Unlike conventional systems, our quick release does not require you to overcome the flow of water. The Rotor sets the standard for ease of use, safety, and performance.

Another advantage of the Rotor over conventional push/pull systems is size. The Rotor is shorter, lighter and more compact than those other systems. All things being equal, a shorter Rotor permits a closer trim adjuster location. And who would not want to have a shorter reach to the trim adjuster?
**FUNCTIONAL SIMPLICITY, PRECISE FEEL**

Sensor 2 has everything to make the perfect connection between you and your kite. Its SSF safety system, titanium core, auto untwist and Rotor quick release are just some of the innovations we stuffed into the bar to make your connection simple, direct, and safe.

The Sensor 2’s magic happens when the bar’s functional simplicity meets its featherweight 230g unibody bar. With virtually no inertia, it has the uncanny ability to transfer your thoughts into action in mere picoseconds.

**EVA GRIP**

The Sensor 2 sports a deeply contoured EVA grip for long lasting comfort and excellent hold.

**230G UNIBODY BAR**

Less is more. The locally made, featherlight, unibody bar comes in at a mere 230g. The key to the Sensor 2’s light and super direct feel is found in its low mass and redesigned bar end design.

**SENSOR ADJUSTER**

Easy, one line, trim adjustment for those who prefer simplicity. Our clam cleat design reduces pulling effort by 25% which is noticeable in powered conditions. Still not comfortable? Then follow our step by step instructions to lower the cleat for a shorter reach.

**EXCHANGEABLE BAR INSERTS**

Simple and replaceable. Bar inserts that surround the depower lines lubricate the lines as they pass through the bar to reduce wear. The inserts are also easily and inexpensively replaced without tools.

**SUPPORTED SINGLE FRONTLINE SAFETY (SSF)**

Exclusive to CORE. When the Rotor quick release is activated, the kite will release all its power, and gently drift with the leading edge facing down and nose to the wind until the front tube kisses the water. The kite will stay in a ‘drift launch position’ (nose to wind) until you are ready. How does SSF work and why does the kite not ‘turtle’ and stay in the air? Find out how and why on page 47.

**SHORT SAFETY LEASH**

Extra short is extra safe. The short safety leash comes standard with all CORE bar systems. When connected to your spreader bar, our short, 50cm long, leash delivers better ergonomics and safety. It is easier to see or grab and it won’t tangle like longer leashes might. If you do not see unhooked freestyle in your future, then protect yourself with a short leash.

**ALSO AVAILABLE:**

**SENSOR 2+ BAR SYSTEM**

One bar, four line length options.

Sensor 2 bar. Plus four line length options. You may be surprised to find how much line length can alter kite behavior. So for the curious and the pros we have the bar for you. The Sensor 2+ bar replaces the standard 24m lines with our Vario lines. Vario lines are Liros sourced, 18m lines with a 2m and 4m extension. As a result, the Sensor 2+ can be outfitted with 18, 20, 22 or 24m lines. Sensor 2+. For the freedom and joy to experiment.

**SENSOR 2/SENSOR 2+ INCLUDES:**

**SENSOR 2**
- 24m lines
- 52/46 cm bar
- Leash, bar bag & manual
- 459 EUR*

**SENSOR 2+**
- Vario lines with 24m, 22m, 20m, 18m line length options
- 52/46 cm bar
- Leash, bar bag & manual
- 489 EUR*

* suggested retail price
Meet the Sensor Pro bar. A bar under development for three long years. The only, titanium trussed, carbon fiber control bar. A bar that exhausts superlatives. A bar we are very proud of. We leveraged our experience in carbon fiber board building to build a 100% carbon fiber unibody bar reinforced with a titanium alloy truss. Although it shares many of the same features as our Sensor 2 bar, it is profoundly different in two ways.

TECTANIUM® LINES
Exclusively developed for CORE by Liros, the market leader in specialized aeronautical and sail cordage. The virtually no stretch Tectanium lines are 400% more resistant to elongation and feature an unbelievable 50% greater breaking strength. To cap things off, the lines are 10% thinner and, therefore, more aerodynamic. Tectanium lines come in the same sizes as the Sensor 2+ bar. With the base 18m lines and two extensions, you can fly your Sensor Pro bar with 18, 20, 22, or 24m Tectanium line lengths. With Liros’ innovative emulsion (protective coating) process, your Tectanium lines will resist abrasion, dirt and UV radiation better than ever. Trust Tectanium.

CARBON FIBER BAR
Our carbon fiber bar reduces the already low weight to an unimaginable 200g. With the same breaking strength, the carbon bar is even stiffer than the Sensor 2 bar.

SENSOR PRO BAR INCLUDES:
- Tectanium Vario lines with 24m, 22m, 20m, 18m line options
- 52/46 cm bar
- Leash, bar bag & manual
- 599 EUR*

* suggested retail price
New, lighter titanium cored construction
Replaceable wear inserts
Supported Single Frontline Safety (SSF)
24m flying lines
Vario lines (24, 22, 20, 18m)
100% carbon fiber and titanium construction
Tectanium® Vario lines

**OPTIONAL ACCESSORIES:**

**PRO LEASH 2**
Elevate your game with the new Pro Leash 2. A leash engineered for you, the hardcore freestyle/wakestyle kiter. A kite leash designed for anyone attempting unhooked, freestyle or wakestyle moves that require a longer, more durable leash. You will immediately appreciate the bombproof, heavy-duty carabiner, the rock climbing sourced, tear resistant webbing and its massive 500kg breaking strength. Fully stretched, the leash extends 170cm. The optional extension expands the leash to a length of 215cm to accommodate our recommended, front mounting location on your harness.

**PRO LOOP/STICK SET**
Designed specifically for freestyle pros who prefer a slightly longer loop. A note to users that this loop set will increase the distance to the trim adjuster. You may want to move the adjuster closer in this case.

When the Rotor quick release is activated, the kite will fully depower and come to rest in a ‘drift launch ready’ position (nose to wind) until you are ready. The benefits here are twofold. The kite stays put and does not want to relaunch into the sky. And there is no pull on the lines while the kite is in ‘drift launch ready’ position simplifying the process of re-engaging the Rotor quick release. So how does SSF work and why does the kite not ‘turtle’ and stay in the air? The answer is that the kite does not flag out on one front line or equally on two front lines. SSF releases 100% of the back lines and flags the kite mainly on one front line. But sufficient tension remains on the other front line to steer the kite down. So in effect, it is the slight (unequal) tension in the other front line that prevents the kite from turtling and remaining sky bound.

**THE SENSOR BAR SYSTEM**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>SENSOR 2</th>
<th>SENSOR 2+</th>
<th>SENSOR PRO</th>
</tr>
</thead>
<tbody>
<tr>
<td>New, lighter titanium cored construction</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Replaceable wear inserts</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Supported Single Frontline Safety (SSF)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>24m flying lines</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Vario lines (24, 22, 20, 18m)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>100% carbon fiber and titanium construction</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Tectanium® Vario lines</td>
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</tbody>
</table>
Kite line length is underappreciated and often overlooked. It has a big impact on your kite’s flying characteristics and learning how and when to adjust them will make you a better kiter. We all know pulling power is dictated by kite size and shape, but few realize that line length also has an effect on kite power. Find out for yourself with the Vario line equipped CORE Sensor 2+ or Sensor Pro bar. Both bars can easily adjust line length between 18 and 24m. Now, let’s review the main factors that affect line length choice:

### THE BASICS

Longer lines increase the kite’s wind window and generate more power because a longer flight path means the kite accelerates faster. A faster accelerating kite generates more force. And ergo, more power. The additional power is especially noticeable with CORE’s LW lightwind edition kites that come standard with 3m line extensions.

Shorter lines, on the other hand, increases bar reflexivity, kite agility and turning speed. Although the optimal length for the majority of kiters is 24m, you won’t know unless you try shorter lines. 24m lines generate good power, turning speed and reflexivity without being too twitchy.

<table>
<thead>
<tr>
<th>Riding Style</th>
<th>line length (m)</th>
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</thead>
<tbody>
<tr>
<td>Freeride / Freestyle (hooked-in)</td>
<td>22 / 24 / 27</td>
</tr>
<tr>
<td>Wakestyle (unhooked)</td>
<td>20 / 22 / 24</td>
</tr>
<tr>
<td>Kiteloops</td>
<td>18 / 20 / 22 / 24</td>
</tr>
<tr>
<td>Wave</td>
<td>18 / 20 / 22 / 24</td>
</tr>
<tr>
<td>Race / Lightwind</td>
<td>22 / 24 / 27</td>
</tr>
</tbody>
</table>

Recommended line length is highlighted in bold.
SKILL LEVEL / RIDING STYLE

Rider level and style are the most important factors in deciding line length. Beginners are better suited to longer lines as it gives the rider more time to react and more power without resorting to cycling the kite. Experienced riders will gravitate towards longer lines for bigger air as they generate more power than shorter lines. With the right technique and the same size kite, you will launch much higher with longer lines.

Shorter lines are recommended for wave riding, wakestyle and kite looping. Every wave rider has their personal preference, but most will select a line length between 20 and 24m. If your wave style includes a lot of kite movement and looping you may prefer 20m. If your wave style is more classic with lots of “drifting” and riding the wave face then you may lean towards a 24m line setup.

To get the best slack line performance out of your kite during a wakestyle session, go a little shorter like 22m. Handle passes are a little easier. And if I plan on throwing in some kiteloops, I might even go down to 20m for even faster kite response. In addition, shorter lines let me loop deeper in the window with a horizontal trajectory.

GUSTY WIND

Pros also look at wind consistency before considering line length. The longer the lines, the more reserve the kite has in the lulls. Longer lines make kiting more comfortable for beginners and intermediates alike in gusty winds and, therefore, should stick with 24m lines in these conditions. More experienced kiters, though, may go shorter in squalls.

Have fun experimenting with different line lengths.

NAME: Matthias Larsen
NATIONALITY: German
AGE: 37
HEIGHT: 186 cm
WEIGHT: 80 kg
HOME KITE SPOT: Cape Town, South Africa
KITE: 6m Section

»Just as important as kite size.«
Boots, straps or strapless: Find your style!

FUSION 2
FREERIDE
FREESTYLE
WAVE

FUSION 2 LW
LIGHTWIND FREERIDE
LIGHTWIND FREESTYLE

52
56

58
62

68

CHOICE
FREESTYLE
FREERIDE
WAKESTYLE

BOOLT
FREESTYLE
WAKESTYLE
SLIDERS

RIIPPER 2
WAVE
SURFSTYLE
FREERIDE

72
Wax on. Wax off.
ONE BOARD. ALL STYLES.
The new Fusion 2. The Swiss Army® knife of kiteboards. Always
the right choice for your next epic session. Chop, glass or
waves, it doesn’t matter when you’re riding the Fusion 2, the
ultimate all style twin tip.

Our latest model fuses the best design elements of freeride and
freestyle kiteboards to create one that suits all styles and abil-
ities from beginner to expert. It incorporates a decade’s worth
of board building expertise from Europe’s leading custom board
manufacturer, Carved.de.
THE ALL-ROUNDER

The second generation Fusion. Refined. Capable. And now with Union Pro pads & straps. We engineer our boards with the finest materials and latest technology for maximum stoke factor. Our exclusive use of Cartan carbon, CNC milled wood cores, G10 fins and the following technologies create the unmistakable, smooth riding, energetic feel of the Fusion 2:

3D WOOD CORE
Powerfully light, CNC milled, wood core. The laminated, long grained Paulownia wood core gives our boards dimensional stability, decay resistance and a lightweight yet distinctively powerful character.

CARTAN® CARBON
Exclusive to CORE. Our proprietary 30° biaxial carbon fiber weave optimizes board torsion and dynamic longitudinal flex. The build process also requires less resin thereby reducing swing weight. This means bigger pop and better durability. So go ahead and try that new move!

UNION PRO PADS & STRAPS
We engineered our very own bombproof straps and pads for the new Fusion 2. The orthotic EVA footpads with its “toe grabber” 3D surface will hold your feet securely even on those off balance landings. With a base plate that can accommodate nine different stances and three pad insert options we are sure you will find the perfect setup for your riding style. Similar customization options are found with the new CORE Union Pro straps to give you the perfect fit even with booties on!

The dual strap design features effortless pitch, longitudinal and height adjustments to support your foot perfectly. We lined the strap interior with padded neoprene while protecting the exterior with durable synthetic leather. Find out more about the Union Pro pads & straps on page 74.

STYLEFINDER

Freeride / Easy Riding
Freestyle (hooked-in) / Big Air
Wakestyle (unhooked)
Comfort / Control
Carving
Wave
Bindings

SKILL LEVEL

Pro
Expert
Intermediate
Beginner

Straps
**HYDRODYNAMIC BOTTOM CONTOUR**

Optimized fluid dynamics balance the hull design principles utilized in the Fusion 2. A full length, double concave, V-shaped hull continues within extended progressive channels and blends perfectly into the tips. Experience the signature smoothness of the refined Fusion 2.

**DOUBLE CONCAVE**

Always in control. The double concave V hull increases hydrodynamic grip at any board angle to rip tighter, butter smooth turns. Effortless, slashing turns that will be imprinted into your memory forever.

**DIAMOND 3D SHAPE**

Diamond shaped perfection. Take a close look at the Fusion’s surface contours. Near the footpads, the surface is milled in the shape of a diamond. This shape directs torsional forces to the edges where you want them for a perfect balance between flex and rigidity.

**V-SHAPE KEEL**

Inspired by the legendary handling of deep V powerboats in rough waters, CORE integrates a V-shaped keel along the entire length of the board to penetrate chop and smooth your ride. The V ensures early planing, superb agility and softer landings.

**PROGRESSIVE 2 CHANNEL TIPS**

Two progressive channels are found on each end of the Fusion 2. The channels engage when power edging, effectively increasing lateral resistance and control. And when not engaged, the board glides effortlessly through the lulls.

**48MM G10 CUTBACK FINS**

A perfect balance between tracking and freestylin’ magic. The impact resistant, G10 fiberglass fins have a new trailing edge design for even more control and tracking stability. Although a little smaller than last year, we kept that lively feel of the original intact.

**BOARD INCLUDES:**

- Union Pro pads & straps
- Grab handle
- G10 fins (48mm)
- V4A screws

**BOARD**

<table>
<thead>
<tr>
<th>BOARD</th>
<th>SIZE</th>
<th>PRICE*</th>
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</thead>
<tbody>
<tr>
<td>FUSION 2</td>
<td>133 x 39</td>
<td>929 EUR</td>
</tr>
<tr>
<td>FUSION 2</td>
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<tr>
<td>FUSION 2</td>
<td>144 x 43</td>
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</tr>
</tbody>
</table>

*Suggested retail price
The new Fusion 2 LW Edition. The Swiss Army® knife of light-wind kiteboards. Always the right choice for your next epic session. Wind conditions don’t matter when you’re riding the Fusion 2 LW, the ultimate all style twin tip. Your weapon of choice to deliver maximum stoke on those marginal wind days.

You will find each board in the LW range has its own unique personality. The smaller LW is known for its cat-like agility and the larger LW for its mad swagger. Rest assured, our innovative boards will perform beyond your expectations and just maybe, take you to nirvana with technology that incorporates a decade’s worth of board building expertise from Europe’s leading custom board manufacturer, Carved.de. Trust CORE to engineer pure, lightwind excitement.
UNBELIEVABLY AGILE
The medium FUSION 2 LW (147 x 44 cm)
Unbelievably agile and light on its feet. We like to think of the 147 as a hybrid with class leading lightwind handling and the freestyle capability of its smaller brothers. The perfect board for beginners or heavier riders who may want to throw down a few unhooked aerials in light or building winds. Its carbon construction, thin rails and V-keel will give you the control and response of a board two sizes smaller. The Fusion LW Medium. Lightweight greatness.

INCREDIUSBLY CONFIDENT
The large FUSION 2 LW (152 x 46 cm)
The ultimate early planer and lightwind cruiser. Our biggest Fusion 2 sports a re-engineered concave board outline (like a parabolic snowboard). Concave or sidecut rails improve upwind tacks by forcing the board to naturally ride deeper thereby lengthening rail contact with the water. Wider tips promote early planing and keep you going through the lulls. The sidecut Fusion 2 LW feels smaller so it has the potential to handle more wind than you would normally expect. You can always depend on the double concave V-keel to keep you under control if the wind picks up. Because CORE has your back.

STYLEFINDER
- Freeride / Easy Riding ●●●●●
- Freestyle (hooked-in) / Big Air ●●●●●
- Wakestyle (unhooked) ●●●●●
- Comfort / Control ●●●●●
- Carving ●●●●●
- Wave ●●●●●
- Bindings Straps

SKILL LEVEL
- Pro ●●●●●
- Expert ●●●●●
- Intermediate ●●●●
- Beginner ●●●●

Board includes:
- Union Pro pads & straps
- Grab handle
- G10 fins (48 mm)
- V4A screws

BOARD | SIZE | PRICE
---|---|---
FUSION 2 LW | 147 x 44 | 929 EUR
FUSION 2 LW | 152 x 46 |
The many faced freestyler. Whether it's stomping a big rail in boots or slamming a railey in straps. Or simply freeriding the Planet of the Apes. The Choice offers endless possibilities to experiment and make your own style.

CORE’s proprietary 30° biaxial carbon fiber weave optimizes board torsion and dynamic longitudinal flex. For more pop. And silly grins. The Choice’s channels give you the grip you need with or without fins. And its rocker will get you out of trouble on those not so perfect landings. Boots or straps. Finned or finless. There really is no other Choice.
CHOICE

THE ALL-IN-ONE FREESTYLER

When it comes to radical maneuvers, you need a board that can control all your power. With its extreme board construction and bombproof boot inserts you can be assured that the Choice is the right choice. Take a look at some of the features that go into your first Choice:

BOOT TOUGH INSERTS
Bombproof hold for fixed boot bindings or straps. The stainless steel V4A thread inserts are laminated in a massively reinforced base plate deep within the board. The inserts feature three different stance options.

UNION PRO PADS & STRAPS
It’s your Choice. Designed for boots. But also perfectly suited to CORE’s new Union Pro pads & straps system we include in the board purchase. The orthotic EVA footpads with its “toe grabber” 3D surface will hold your feet securely even on those off balance landings. With a base plate that can accommodate nine different stances and three pad insert options we are sure you will find the perfect setup for your riding style. Similar customization options are found with the new CORE Union Pro straps to give you the perfect fit even with booties on! The dual strap design features effortless pitch, longitudinal and height adjustments to support your foot perfectly. We lined the strap interior with padded neoprene while protecting the exterior with durable synthetic leather. Find out more about our new straps on page 74.

PROGRESSIVE 6 CHANNEL TIPS
Extreme grip even without fins. The multi channel design with two full-length outer channels and four progressive inner channels on each end creates amazing lateral support. Go ahead and ride finless!

DIAMOND 3D SHAPE
Diamond shaped perfection. Take a close look at the Choice’s surface contours. Near the footpads, the surface is milled in the shape of a diamond. This shape directs torsional forces to the edges where you want them for a perfect balance between flex and rigidity.

STYLEFINDER

<table>
<thead>
<tr>
<th>STYLE</th>
<th>SKILL LEVEL</th>
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<tbody>
<tr>
<td>Freeride / Easy Riding</td>
<td>Pro</td>
</tr>
<tr>
<td>Freestyle (hooked-in) / Big Air</td>
<td>Expert</td>
</tr>
<tr>
<td>Wakesstyle (unhooked)</td>
<td>Intermediate</td>
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<tr>
<td>Comfort / Control</td>
<td>Beginner</td>
</tr>
<tr>
<td>Carving</td>
<td></td>
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<tr>
<td>Wave</td>
<td></td>
</tr>
<tr>
<td>Bindings</td>
<td>Straps / Boots</td>
</tr>
</tbody>
</table>

* Boots not included
**FLAT BASE**
Perfect for rails or anything else for that matter. The board’s slight mono concave bottom won’t interfere with its rails or your riding style. But it might smooth out some of the chop.

**V-SHAPE TIPS**
We added a V-shaped keel on both ends of the board to smooth out chop and hard landings.

**PRO ROCKER**
The Choice features a true, freestyle rocker for those off center landings.

**CARTAN® CARBON**
Our proprietary, high performance, 30° biaxial carbon fiber weave optimizes board torsion and dynamic longitudinal flex. The build process also requires less resin thereby reducing swing weight. This means bigger pop and better durability. So go ahead and try that new move!

**3D WOOD CORE**
Naturally dynamic. The 3D contoured, long grained Paulownia wood core gives the Choice dimensional stability, decay resistance and a lightweight yet distinctively powerful character.

**42MM G10 PRO FINS**
A beautiful balance between resistance when you need it and the loose-ness you look for in a freestyle board. Too much fin for you? No problem. We also sell optional 28mm wake fins. Still too much? No problem. Go finless and enjoy the ride.

**OPTIONAL:**
28MM G10 WAKE FINS

---

**Board includes:**
- Union Pro pads & straps, G10 fins (42mm), V4A screws

**BOARD** | **SIZE** | **PRICE**
--- | --- | ---
**CHOICE** | 134 x 41 | 929 EUR
**CHOICE** | 137 x 41.5
**CHOICE** | 139 x 42
**CHOICE** | 142 x 42.5

*Suggested retail price*
You ride everything. Rails, sliders, ramps, logs or whatever. You might build ‘em yourself. Or you may just find ‘em in your travels. Either way, you’ll need a board that can handle your adventures. A board that edges hard, goes big and takes a beating. If this describes your style then the Bolt is your board.

The Bolt is rail ready. It brings super tough, wakestyle construction with the right amount of flex and bombproof boot inserts. But that is not what makes this board so special. The Pro Fix Grindbase, on the other hand, is. The Bolt’s revolutionary snowboard-like base will make your next session a little smoother. With YouTube worthy, slides and grinds. And magically disappearing dings leaving only awesome memories.

That is the new Pro Fix Grindbase. The first kiteboard with a repairable PTEX base.

Bolt. The ultimate, easy fix, freestyle, wakestyle, slider-style weapon.
THE UNCOMPROMISING WAKESTYLER

We doubled up on our proprietary Cartan carbon fiber to support the additional stress from fixed bindings. We incorporated progressive freestyle channels so you can ride without fins. And we gave it a worry free base. Why? To make a board with no limitations. A board you can ding. The planet is your canvas. Make Bolt your paint brush.

V-SHAPE TIPS
We added a V-shaped keel on both ends of the board to smooth out chop and hard landings.

DIAMOND 3D SHAPE
Diamond shaped perfection. Take a close look at the Bolt’s surface contours. Near the footpads, the surface is milled in the shape of a diamond. This shape directs torsional forces to the edges where you want them for a perfect balance between flex and rigidity.

BOOT TOUGH INSERTS
Boots only for this baby. Heavy duty, stainless steel, V4A thread inserts are laminated in a massively reinforced base plate deep within the board. And laminated again in targeted areas just to be sure. The boot inserts provide three different stance options.

TWO LAYER CARTAN® CARBON
Cable park strong. The top coat receives two layers of our exclusive high performance, low resin, carbon fiber.

PRO ROCKER
The Bolt features a true, wakestyle rocker for those off balance landings. The rocker is increased an additional 2cm over the Choice to control even the most impossible landings.

STYLEFINDER
<table>
<thead>
<tr>
<th>Freeride / Easy Riding</th>
<th>Pro</th>
<th>Expert</th>
<th>Intermediate</th>
<th>Beginner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freestyle (hooked-in) / Big Air</td>
<td>●●●●●</td>
<td>●●●●●</td>
<td>●●●●●</td>
<td>●●●</td>
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<tr>
<td>Wakestyle (unhooked)</td>
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<tr>
<td>Comfort / Control</td>
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<tr>
<td>Carving</td>
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<tr>
<td>Wave</td>
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<td>●●●</td>
</tr>
<tr>
<td>Bindings</td>
<td>Boots*</td>
<td>Boots*</td>
<td>Boots*</td>
<td>Boots*</td>
</tr>
</tbody>
</table>

* Boots not included
**Board includes:**
- 2x G10 fin sets: (42mm and 28mm)
- V4A screws and Pro Fix base repair kit (PTEX stick & scraper)

**PROGRESSIVE 6 CHANNEL TIPS**

Extreme grip even without fins. The progressive multi channel design with two full-length outer channels and four progressive inner channels on each end creates amazing lateral support. Go ahead and ride finless!

**3D WOOD CORE**

Naturally dynamic. The 3D contoured, long grained Paulownia wood core gives the Bolt dimensional stability, decay resistance and a lightweight yet distinctively powerful character.

**FLAT BASE**

Perfect for rails or anything else for that matter. The board’s slight mono concave bottom won’t interfere with its rails or your riding style. But it might smooth out some of the chop.

**28MM + 42MM G10 FINS**

Prepared for anything. The Bolt comes with two, full, G10 fin sets: the super grippy 42mm fins and the 28mm ones for a more loose wakestyle feel. Still too much fin? No problem. Go finless and enjoy the ride.

**PRO FIX GRINDBASE**

The first ever kiteboard with a snowboard inspired base. The waxy surface you feel on the new Bolt is high-modulus polyethylene, a material with superior sliding properties especially over rails, ramps and other water features. And just like snowboards, scratches and dings can easily be repaired with any PTEX candle as long as the gouge has not penetrated the Pro Fix Grindbase and damaged the core.

**BOARD**

<table>
<thead>
<tr>
<th>BOARD</th>
<th>SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOLT</td>
<td>140 x 41</td>
<td>929 EUR</td>
</tr>
</tbody>
</table>

* Suggested retail price
»Boots, straps or strapless: Find your style!«

Not so long ago, fixed bindings were quite exotic. Today, they are a common sight. It makes you wonder whether fixed bindings have suddenly become fashionable. Are they more functional than straps? Or, is strapless the holy grail of kiteboarding?

I’m asked these questions often. And the answer is simple. They all work for different reasons. The question you should be asking is which method is best for your riding style? Now that we have a better question, let’s discuss some considerations.

The fixed binding trend can be seen at the Virgin Kitesurf World Championships and just about any other freestyle competition. And there is a reason for this. Boots work best for extreme unhooked freestyle. Just like wakeboarding, you can edge much harder in boots. This provides huge pop with a low kite. The additional leverage boots create also explains why bigger boards and smaller fins are used. I am a good example. I ride a 140cm Bolt with fixed boots. Yet, I ride a much smaller 134cm Choice with straps.

On the other end of the spectrum, you see strapless kiting on surfboards, wakeskates and skimboards. Going strapless is more a question of choice. Some riders prefer the challenge. Others prefer the freedom and the feel. And for some, it’s a lifestyle thing. Going strapless requires a bit more experience and board control. But not much. Strapless wave riding is as close to surfing as it gets. And the feeling is magical. The idea that there are no “feet belts” to save you makes your connection to the board and water that much closer. Strapless is mainstream. And it is here to stay.

However, strapped surfboards are preferred by pros in huge waves and some experienced riders in smaller waves. They provide pros more control and safety when getting tubed by a 50 footer. And straps allow experienced wave riders in part, jump bigger. Straps are still the most common sight in kiteboarding, though. In a way, straps are the middle ground for many reasons.

Straps generally come standard on most boards. They are much easier to slip into and out of than boots. Straps are easier to exit if you expect a hard landing. Straps also allow the ankle to share some of the impact with your knees. I still prefer straps for freeriding and big air. Straps give me the freedom to pull off sick board-offs, one footers and other air-style tricks. I wouldn’t even consider boots for this.

Kiting culture encourages individuality and creativity. If you have not found your style yet then try boots and give strapless riding a shot too. And if you are like me, you will end up with a strapped freeride twin tip, a longer freestyle board with boots and a surfboard with strap inserts. Because variety is the spice of life.
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### PRO RIDER LASSE GIROLSTEIN’S VIEWS ON BOOTS, STRAPS AND STRAPLESS

The connection between you and your kiteboard generally falls into three broad categories: bindings, straps or strapless. So what makes kiters choose boots over straps? Or strapless over straps?

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<table>
<thead>
<tr>
<th>NAME</th>
<th>Lasse Girolstein</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATIONALITY</td>
<td>German</td>
</tr>
<tr>
<td>AGE</td>
<td>28</td>
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<tr>
<td>HEIGHT</td>
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</tr>
<tr>
<td>WEIGHT</td>
<td>78 kg</td>
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<tr>
<td>HOME KITE SPOTS</td>
<td>Ilha do Guajiru, Brazil and Fahrensodde, Germany</td>
</tr>
<tr>
<td>BOARD</td>
<td>140 cm Bolt, 134cm Choice</td>
</tr>
</tbody>
</table>
For many wave warriors, surfing waves is nirvana. Head high or knee high. Strapped or strapless. It doesn’t really matter as long as they are on one. Nice, clean, steep or mellow, tight or spaced, tubed or tubeless, reef or wind generated waves. But not all waves are created equal. Some are messy, chaotic, and hard to handle. For this reason, we created the allrounder Ripper 2. A classic, glassed shortboard that will perform in all conditions. A board that leverages a decade’s worth of R&D from CORE’s sister company, Carved.de, a leader in custom board building.

The Ripper 2 is not your average vacuum bagged, EPS (styrofoam) surfboard made in the same factory as every other board. We deliberately rejected sandwich construction methods for more durable PU, carbon fiber and glass. Call us unconventional? Maybe. But we won’t be restricted by any board manufacturing ideology.

CORE goes back to the future with the Ripper 2!
RIP EVERY TURN.
ENJOY EVERY WAVE.

RIPPER 2
RIP EVERY TURN.
ENJOY EVERY WAVE.
THE CLASSIC WAVEBOARD

Classic all-round shape to handle just about anything mother nature throws at you. For pure strapped or strapless wave mastery. With the right amount of width and concave to smooth out "in between" wave chop. And a good amount of rocker to make it super fun off the lip and deep in the wave. Go back to the future with the carbon fiber and glass Ripper 2 and find your inner wave ninja. Now, for the cool stuff we added to this beauty:

DOUBLE STRINGER
A laminated wood stringer is inlaid along the length of the board to longitudinally manage flex and give the Ripper 2 its signature feel. A second visible wood stringer is inlaid horizontally also along the length of the board to accept strap inserts. The stringer is molded into the fiberglass, carbon fiber and resin to form the tough top.

TOUGH TOP
You can see the black carbon fiber reinforced kick plate area which is designed to take a beating that only kitesurfing can give. Go ahead and shred those waves, this board is designed to hold up.

BOARD SIZE PRICE

<table>
<thead>
<tr>
<th>BOARD</th>
<th>SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
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<tr>
<td>RIPPER 2 5'10&quot;</td>
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<td>RIPPER 2 6'0&quot;</td>
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</tr>
<tr>
<td>RIPPER 2 6'2&quot;</td>
<td></td>
<td>929 EUR</td>
</tr>
</tbody>
</table>

* suggested retail price

STYLEINDER

<table>
<thead>
<tr>
<th>Freeride / Easy Riding</th>
<th>Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freestyle (hooked-in) / Big Air</td>
<td>Expert</td>
</tr>
<tr>
<td>Wakestyle (unhooked)</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Comfort / Control</td>
<td>Beginner</td>
</tr>
<tr>
<td>Carving</td>
<td></td>
</tr>
<tr>
<td>Wave</td>
<td></td>
</tr>
<tr>
<td>Bindings</td>
<td>Straps / Strapless</td>
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</tbody>
</table>

SKILL LEVEL

<table>
<thead>
<tr>
<th>Stylefinder</th>
<th>Pro</th>
<th>Expert</th>
<th>Intermediate</th>
<th>Beginner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freeride / Easy Riding</td>
<td>●●●●●</td>
<td>●●●●●</td>
<td>●●●●</td>
<td>●●●●</td>
</tr>
<tr>
<td>Freestyle (hooked-in) / Big Air</td>
<td>●●●●●</td>
<td>●●●●●</td>
<td>●●●●</td>
<td>●●●●</td>
</tr>
<tr>
<td>Wakestyle (unhooked)</td>
<td>●●●●●</td>
<td>●●●●●</td>
<td>●●●●</td>
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</tr>
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<td>Comfort / Control</td>
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<td>●●●●</td>
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<tr>
<td>Wave</td>
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<td>●●●●●</td>
<td>●●●●</td>
<td>●●●●</td>
</tr>
</tbody>
</table>

Board includes:
- rear foot pad
- Dakine Supremo straps
- V4A screws
- FCS II thruster 3 fin set

SHORTBOARD SHAPE
The board's distinctive rocker and classic shortboard design works equally well in chaotic wind driven waves or butter smooth reef waves. Its medium width smooths out the chop and cuts through rough shore break. The moderate tail rocker and slightly increased volume in both the nose and tail give the Ripper 2 its speed which it holds through the lulls. The rails are soft in the middle and sharp at the tail for hard cutbacks, slushy turns, and big whoo hoos.

ORIGINAL DAKINE STRAPS
Only the best is good enough. So we pack optional Dakine straps with every board just in case you prefer strapped riding. The strap inserts are mounted in a reinforced wood stringer making them exceptionally durable. So install and remove your straps as often as you like, we are not worried about our inserts failing.
BLUNT NOSE

Although we think it looks cooler, we filed off the nose because, in the long run, a blunt nose is safer and more durable. The blunt nosed Ripper 2 fits in board bags better, travels better and won’t leave a mark.

ACTIVE FOAM CORE

Closed cell PU or polyurethane foam is the only choice for custom board builders. Its surf properties and water resistance are far superior to EPS or Expandable Polystyrene, the foam used in most sandwich boards. Unlike EPS, PU will not absorb water, has superior dynamic flex and can be finely shaped. And together with double wood stringers our Active Foam Core makes a flexible yet durable platform for butter smooth turns.

GLASS COAT

Multi-layered, specialized fiberglass and hi-tech resin form the top coat. Trust glass for precisely tuned rails and the original surf feel.

THRUSTER SETUP

The Ripper 2 is fitted with the classic 3 fin thruster setup for a looser feel on the waves. Thrusters are known to turn tighter than quads and release easier for cleaner moves off the lip.

ORIGINAL FCS II FIN SYSTEM

Everyone breaks a fin now and then. So it’s important to stick with the global standard in fins for the day you lose a fin on the reef and the only surf shop has limited selection. The FCS II system is the new screwless fin system that enables two second fin changes without tools. The system is backwards compatible in that it still has grub screws to secure any old FCS fin you or your friends may have. Now that is progress.
Wax on. Wax off.

NAME
Chris Bösch
NATIONALITY
Swiss
AGE
36
HEIGHT
187 cm
WEIGHT
74 kg
HOME KITE SPOTS
Silvaplana See, Switzerland and Paracuru, Brazil
BOARD
6’0” Ripper 2

PRO RIDER CHRIS BÖSCH ON BOARD WAXING

THE RIGHT TOOLS

First, you need to visit a surf shop and buy a few supplies, namely: surf wax, a wax comb/scraper combo and a wax remover kit or liquid. Surf wax comes in basecoat and topcoat formulas. The basecoat is intended (obviously:) as a primer. Although some skip the basecoat, it really helps the topcoat adhere to the board. Topcoat wax comes in the following water temperature varieties: Cold (under 14°C and is very soft wax), Cool (between 14°-20°C), Warm (between 20°-25°C) and Tropic (over 25°C and is very hard wax). Prices vary as do colours and fragrances. Buy two basecoats and a couple blocks of the top wax to allow for changing water temperatures. And it really does matter. Trust me.

WAX ON

Your board needs to be cold, clean and dirt free. Find a shady place on a cool morning to do your work. Spray the board with water if it is too hot. And store your new wax in the fridge before you use it.

Although not absolutely necessary, it is best to apply a basecoat first. I start my basecoat at the kick pad and work my way forward and past my front foot position leaving approximately 40cm of the board nose unwaxed. Keep the wax off the rails because it slows down the board. Some kiters will intentionally wax a portion of the rail for better board grabs. The choice is yours.

Make a diamond shaped pattern with your basecoat by drawing straight diagonal lines across the board. Then draw diagonal lines in the opposite direction to make a diamond shaped pattern. Then finish with a circular pattern until you see the distinctive wax moguls appear. I will use half a block building up a good base. Finish with the correct topcoat wax, again, in a circular pattern.

POST SESSION

Rinse your board with fresh water after every ocean session to prevent the wax from drying out. Store your board in a clean area away from the sandy beach. And when on the beach, keep your board out of the sun or, at minimum, upside down otherwise you will end up with a runny mess with no traction!

BONUS TIP!

You can save the money on a wax comb/scraper by using an old, plastic, ice scraper or even an expired credit card. Any heavy duty comb will work fine too. To remove the last bit of remaining wax, you can use flour. It works!

Just like surfing, a good board wax application is learned. With the right tools, time and technique you can make any strapless surfboard feel as though it’s strapped. With incredible grip and style to boot.
WAX OFF

When the wax hardens, dries out and is no longer doing its job, I clean the board completely. The mess is easily removed with a wax scraper if the board is left in the sun briefly to soften the old wax. The wax hopefully ends up in the garbage unless you purchased eco-friendly board wax. The last bits of wax can be removed with a wax removing sponge or a liquid wax remover.

SESSION TIPS

Rehab your waxed board before every session for a little more grip. I start by removing any large chunks on top and any strays on the bottom or rails with my scraper. I comb diagonal lines into my wax to give the wax some bite. And I re-wax my front foot area with the appropriate temperature wax. This rehab lasts for an hour or so of riding. Some experienced riders keep a block of wax near the water and give their board a quick wax without landing their kite. I carry a comb and wax in my boardshorts. No comb? Fingernails work too.

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LEVERAGING TECHNOLOGY TRANSFER

All CORE boards embody the accumulated knowhow from 15 years of custom board building at Carved.de and over 30 years of surfboard design. CORE’s development team works hand in hand with the perfectionists at Carved.de to build a legacy of material innovation, unique technical solutions and high performance design our customers have come to expect. From developing Cartan carbon to fine tuning each and every board size in its range, our customers will continue to benefit from CORE’s R&D partnership.

UNION PRO PADS AND STRAPS

How you connect with your board has a big impact on your stoke factor. With this in mind, we engineered our very own bombproof straps and pads. The orthotic EVA footpads with its “toe grabber” 3D surface will hold your feet securely even on those off balance landings. With a base plate that can accommodate nine different stances and three pad insert options, we are sure you will find the perfect setup for your riding style.

Similar customization options are found with the new CORE Union Pro straps to give you the perfect fit even with booties on! The dual strap design features effortless pitch, longitudinal and height adjustments to support your foot perfectly. We lined the strap interior with padded neoprene while protecting the exterior with durable synthetic leather.

Go Union Pro. For the perfect union between you and your favorite board.

CARTAN® CARBON

Exclusive to CORE and its sister company Carved.de. Our proprietary high performance 30° biaxial carbon fiber weave was specifically developed for kiteboards to optimize board torsion and dynamic longitudinal flex. All layers including the top and bottom surfaces of our boards are 100% Cartan carbon fiber. And with the Bolt, we even doubled up on the top layer. No short cuts here.

In contrast to standard 90° weave carbon fiber, Cartan carbon is a more tightly weaved 30° biaxial carbon cloth. A carbon cloth weave optimized for kiteboarding. A cloth that delivers enormous flex and huge pop. The build process also requires less resin thereby making a Cartan carbon board exceptionally thin and light. Run your fingers over a CORE board and feel the beauty of Cartan carbon.
HYDRODYNAMIC BOTTOM CONTOUR

All CORE twin tips feature unique and optimized hull designs. You immediately notice the double concave "V" on the Fusion 2 and Fusion 2 LW. The double concave V hull increases hydrodynamic grip at any board angle to rip tighter, butter smooth turns. Effortless, slashy turns that will be imprinted into your memory forever. The Choice and Bolt, on the other hand, feature a V-shaped keel on the board ends and a flatter middle. The V-shaped keel penetrates chop and smooths your ride for superb agility and softer landings.

DIAMOND 3D SHAPE

Diamond shaped perfection. Take a close look at the Fusion 2's surface contours. You can see and feel the diamond shaped contour near the footpads. Beneath the surface, the wood core is milled in the shape of a diamond. This shape directs torsional forces to the edges where you want them for a perfect balance between flex and rigidity.

CHANNELS

Channels in one form or another are integrated into all CORE twin tips. Two progressive channels are found on each end of the Fusion 2 and Fusion 2 LW. Four progressive and two full length channels are added to the Choice and Bolt. The channels engage during power edging effectively increasing lateral resistance for more control. The channels work so well that fins are optional on the Choice and Bolt. And when the channels are not engaged, the board glides effortlessly through the lulls.

G10 FINS

A perfect balance between tracking and freestylin' magic. Again, the G10 fins benefit from the R&D that go into the Carved Razor fins. After substantial computer modelling and in-water testing, the impact resistant, G10 fiberglass fins have a new trailing edge design for excellent control and tracking stability and a dash of playfulness. G10 fins are available in 28, 42 and 48mm sizes.

CNC MILLED WOOD CORE

Powerfully light, CNC milled, wood core. All CORE twin tips feature a laminated, long grained Paulownia wood core to give our boards dimensional stability, decay resistance and a lightweight yet distinctively powerful character.
**teamCORE**

Malte Krummradt, 28  
R&D Boards,  
kiting 15 years

Malte is our expert kiteboard designer and production specialist. He builds prototypes, optimizes production and has many “board meetings” (you know, it’s hard work but somebody’s gotta do it). His ingenuity is found in all our CORE and Carved boards since 2002.

Favorite kit:  
7m Section and  
134cm Choice

Steven Zessin, 20  
Sales & Service,  
kiting five years

If you are calling from Germany, Austria or Switzerland, you have probably met Steven. The international commerce apprentice enjoys taking your orders and providing helpful advice along the way. When it is busy you may also find him in the logistics department.

Favorite kit:  
9m Impact and  
140cm Bolt

Lukas Remus, 20  
Sales & Service,  
kiting five years

Lukas answers all your sales and service related emails, phone calls or walk-ins. Our budding industrial engineer knows all the fast tracks to getting your queries dealt with promptly.

Favorite kit:  
7m GT3S and  
134cm Choice

Daniel Borchert, 32  
Production Boards,  
kiting ten years

Our engineer. He translates the many ideas from our development team into 3D computer models. In addition, this unhooked enthusiast is responsible for the development of CORE bars and boards.

Favorite kit:  
10m GT3S and  
140cm Bolt

Marc Schütze, 30  
Production Boards,  
kiting five years

When it comes to precision manufacturing, Marc is our man. He is in control of the dust free CNC milling machine. He is the professor of lamination and our expert in the finishing department.

Favorite kit:  
15m GT3S and  
135cm Fusion 2

Felix Haase, 25  
Finance,  
kiting four years

Felix makes sure all service returns are made better quickly. He’ll get your repaired equipment back before you even miss them.

Favorite kit:  
black 9m XR4 and  
137cm Fusion 2

Jule Höft, 24  
Finance,  
kiting four years

Jule is our finance and bookkeeping expert. An accounting wiz, Jule keeps the wheels turning and material flowing. During the high season, you might even find Jule helping out the sales team.

Favorite kit:  
black 9m XR4 and  
137cm Fusion 2

Daniel Borchert, 32  
R&D Bars and Boards,  
kiting ten years

Our engineer. He translates the many ideas from our development team into 3D computer models. In addition, this unhooked enthusiast is responsible for the development of CORE bars and boards.

Favorite kit:  
8m GTS3 and  
139cm Choice

Johannes Hohls, 21  
Sales & Service,  
kiting six years

Johannes supports kiters from around the world on the phone, via email or onsite. Johannes is not, however, full-time with us on Fehmarn as he is completing his industrial engineering degree.

Favorite kit:  
8m GT3S and  
134cm Choice
Although kiting is an individual sport, nothing is better than heading out on the water with your friends. Our sessions do not end on the beach or the local watering hole, it follows us to the office where many hands make light work. To ensure our customers, riders, retailers and the CORE Nation receive the best CORE kite experience possible.

If you are curious who stands behind our product, wonder no more. Allow me introduce you to our teamCORE members from our head office on beautiful Fehmarn Island. A, windy, surfing hotspot in the Baltic Sea. And for more information on our CORE Service programs, please flip to the next page.
SERVICE

Expect the highest quality products and service from CORE. Before, during and after purchase. With super fast assistance and quick repairs. Corekites.com, the multi-language gateway to CORE is your one-stop shop for product info, videos, how-tos and direct support. Start your enquiry on corekites.com to find your next kite or board today!

1. CORE CARE – worry free purchase

CORE represents the highest material and build quality. Quality that can be seen, felt and experienced. Within EU member states, CORE customers may extend the standard warranty for an additional six months. Free. For EU residents only who register their new product with us within 14 days of purchase. Find out how at http://corekites.com/us/register

2. CORE PARTS – worry free parts availability for six years

Accidents do happen. Maybe it was the reef break, the hazardous beach or the car door that pushed the limits of your CORE product. But don’t worry, CORE gear is built to last. Our legendary durability is backed by a six year parts availability guarantee. We will stock all replacement parts for a minimum of six years from date of purchase.
3. CORE SUPPORT and FAQ-Helpdesk

You have questions? We have answers, how-tos and video tutorials on our support pages which you can find at http://help.corekites.com. It's a great place for beginner and experienced riders alike to find solutions and, maybe, inspiration.

4. PRODUCT SUPPORT

A virtual library of product info on current and older products can be found at http://corekites.com/us/support. You will find interesting stuff like the manual for the original GTS or bridle configurations for the entire XR line. Use this support area to find replacement part numbers for all CORE products (past and present), watch repair and product videos or to view the current catalog.

5. PHONE HOTLINE – No question is left unanswered

Didn’t find a solution on our support pages? Then call the experts at +49 4371 88934-0 during weekday business hours (Central European Time zone). We look forward to hearing from you.
GREEN PREVAILS IN THE LONG RUN

The cleanest form of energy also powers kiteboarding: Wind. Without it, there would be no fist pumps after landing that big air, no whoo-hoos for that perfect top turn and no after party camaraderie. There is no doubt that our love for the sport is, in part, attributed to its eco friendly nature.
Here at CORE we endeavour to use sustainable methods in every aspect of our business from production to distribution. We view sustainability and social responsibility as opportunities that drive innovation. The following elements show how we convert those words into action:

1. FOCUS ON PRODUCT LONGEVITY THROUGH QUALITY AND LONGER PRODUCT CYCLES
2. USE 100% SUSTAINABLY HARVESTED WOOD
3. USE NON TOXIC RESIN
4. USE LOCAL PRODUCTION WHERE POSSIBLE
5. USE GREENER TRANSPORTATION METHODS
   (IE. REDUCING AIR AND INCREASING SEA TRANSPORT)
6. SAVE 35 TONS OF CO₂ ANNUALLY THROUGH USE OF GREEN ELECTRICITY
7. ENGAGE IN LOCAL DEVELOPMENT FOR CHILDREN
8. ENSURE SOCIALLY RESPONSIBLE WORKING CONDITIONS FOR OUTSIDE SUPPLIERS
LIVE TO RIDE.

These 17 top CORE International Pro riders enjoy the coolest sport every day. They best represent our brand with their skill and stoke around the world. Their online and on-water enthusiasm, product feedback and experience help CORE kites and boards stay one step ahead. And for this, a huge thank you to each and every Pro rider. Keep on riding ....

... and rip hard!
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