

COOL KITEBOARDING



PRODUCT GUIDE

High Quality Lineup 2010/2011



Designed and approved by Hiss-Tec Fehmarn in Germany





About CORE

- PERFORMANCE
- SAFETY
- QUALITY
- SERVICE

Striving for perfection

In 1981, aged 14, I shaped my first surfboard, in my parent's garage, on the Island of Fehmarn. Since then my life has been dominated by my fascination with wind and water.

My Master's title at the German Windsurf Cup in 1999 was not primarily due to my skill, but also to my quest for perfection in the manufacture and fine tuning of materials used in my board. Lately that quest for perfection lead me to launch 'Hiss-Tec' Fehmarn with the manufacture of CARVED Kite boards. From a garage to now world leader in custom manufacturing.

CORE Kites are Designed and Approved by Hiss-Tec, Germany ensuring the highest levels of performance and safety which is the cornerstone of our success.

All CORE Kites are designed only by experienced kites and are perfected with extensive water testing around the globe by some of the worlds best riders.

During CORE Kite production every detail is made to the highest quality.

With our quality and service we strive for perfection, incorporating longevity and low cost maintenance which are important attributes.

Complaints and failure rates are close to nil.

Enjoy your kiting and rip hard.

Bernie Hiss

Bernie Hiss
Owner Hiss-Tec Fehmar





KEVLAR CORE Kites are strengthened with light and indestructible Kevlar on all their vulnerable points.



CORE POWERSEAM The closing seam of the front tube is the Achilles Heel of every kite. At CORE we reinforce and sew a Zig-Zag pattern, resulting in an extremely strong seam where the fabric would give way before the seam.



ONE PUMP Very simple and easy to maintain. The tube is created from a special material mix which is guaranteed for 10 years against perishing.



STRONGER THAN THE FABRIC At each seam the material is doubled over and glued for extra strength.



CORE GT

High Quality Lineup 2010

The All in One

THE ULTIMATE ALL ROUNDER WITH TOP PERFORMANCE

ALL IN ONE - this sums up the GT.

A Delta, which arc reminds you of a C-kite,
but exhibits some features of a Bow.

This pure bred Delta kite from CORE captivates with
it's unbelievable performance and balance.

Perfect for both the Freerider and the Freestyler
with New School ambitions.

Probably the most sought after kite, worldwide, this year.

The GT has the legendary low end power of the CORE RIOT
while exhibiting extreme lift and flight stability.

Maneuverability and High End Power is also first class.

Acceleration and the unique direct bar feel of the GT
is unmatched by other Delta kites.

Pressureless Depower – like a 5 line kite but with only 4
lines and with an incredible Auto Relaunch.

Each kite is individually designed with countless hours of
testing to perfect.

All CORE Kites are manufactured with the highest quality
of workmanship and materials, which are unmatched in
the general kite industry, making our complaints and
failure rates close to nil.

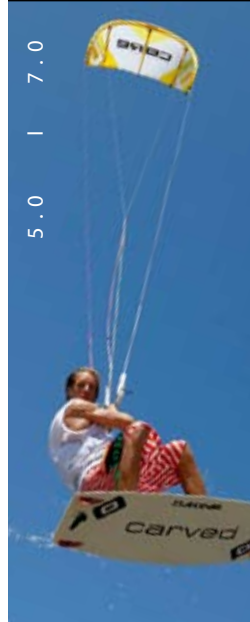
MADE IN GERMANY Our bridles are
totally dependable having been
manufactured to the highest possible
quality control standards.



OUR LITTLE RUBBER BUNGEE
Just holds the valve plug in better.

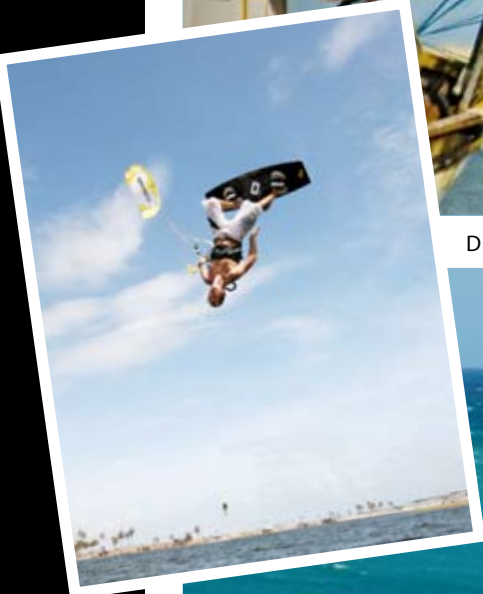
GT

5.0 | 7.0 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0





Designed and approved by Hiss-Tec Fehmarn in Germany





CORE GT

High Quality Lineup 2010



GT Technology

UNIQUE STANDARDS

CORE industry first: More than 2km of yarn are sewn into each 9m CORE GT. This is an absolute record, to ensure 100% seam stability.

CORE seams have the following basic principle: Everywhere a needle and yarn pierce the fabric, the fabric has to be doubled over and glued.

CORE bomb proof struts: Our struts have cross seams rather than the usual long seams to increase build strength.

CORE valves are made in our own moulds and our special glue ensures that the valve will not separate from the bladder, even at high temperatures.

CORE One-Pump-System is extremely 'service friendly' and long lasting. Our special tubing is guaranteed against perishing for 10 years.

CORE Kites are strengthened at their vital points with strong lightweight Kevlar.

CORE closing seams are specially reinforced. (CORE POWERSEAM). The closing seam of the front tube is the Achilles Heel of every kite. Almost everyone's had a kite from other manufacturers, where the front tube seam bursts.

For years we have been using a complex strengthened seam that eliminates this problem, resulting in an extremely strong seam where the fabric would rip before the seam.

5.0 | 7.0 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0



	Beaufort	Knots	Price*
GT 5.0	6-8	22-40	799,- €
GT 7.0	5-7	16-31	849,- €
GT 9.0	4-6,5	11-27	899,- €
GT 10.5	3,5-6	10-24	949,- €
GT 12.0	3-6	9-22	999,- €
GT 13.5	2,5-5,5	8-20	1049,- €
GT 15.0	2,5-5	7-18	1099,- €
ESP-Bar			379,- €

* kite-only, incl. Kite-Backpack & RepairKitPro • RRP 2010

compability	ESP Bar	5th HD Bar
GT	OK	OK



RIOT-XR

CROSSRIDE

CROSSRIDE

Designed and approved by Hiss-Tec Fehmarn in Germany





Riot XR

High Quality Lineup 2010/2011



RIOT XR

CROSSRIDE

The Crossride Kite

EXPERIENCE EASE, COMFORT AND VERSATILITY

Crossride - sums up the new Riot XR

Freeriding, Cruising, Carving, Easy Wave and Hangtime are all among its main attributes, but in no way excludes Freestyle, Wakestyle and Newstyle!

This is an amazing synergy, predominantly a modern Delta, but with the control of a Bow and the feel of a C, it lends itself to the Freerider who wants performance with comfort and endless control.

From the legendary RIOT, we have incorporated the unmatched light bar pressure, together with the ease of use and renowned safety. Additionally the XR has noticeably improved bar feedback especially when depowered, making wave riding an absolute pleasure.

New and exclusive are the three easily adjustable power settings of the Kite as well as the three adjustable turning speeds. Personally tuned the RIOT XR achieves new kiteman and wave riding performance levels. Hooked or unhooked the kite turns smoothly and quickly on demand.

Immediately apparent is the explosive and yet smooth power generation of the RIOT XR with massive hangtime on demand.

Thanks to the newly developed profile the wind range has been noticeably improved, giving high-end up to 5 knots more as well as a higher degree of control at both high and low end limits. With reduced drag and almost completely reduced lateral forces the RIOT XR has a dramatically improved upwind performance.

In low winds the already good launching ability has been optimized with the new auto relaunch and wider tips.

Freeride has never been so comfortable, so test the XR at your nearest dealer or at Hiss-Tec on the Island of Fehmarn, and experience pure riding pleasure.

3 POINT ADJUSTMENT

The Bar Pressure can be adjusted fast and easily by choosing one of the 3 adjustment points on the leading edge. Also, different turning speeds can be selected on the tips of the XR.



ZIG ZAG stitching is used to strengthen each segment and valve seat as well as the famous CORE POWERSEAM on front tube.



LIGHT TENSION in the canopy helps keep the kite shape stable.





Riot XR

High Quality Lineup 2010/2011



WEBBING at the tips prevents line snagging around this area.



KEVLAR STRENGTHENING was liberally applied by CORE on all vital points to guarantee longevity.





Designed and approved by Hiss-Tec Fehmarn in





Riot XR

High Quality Lineup 2010/2011

XR Technology

ALWAYS A STEP AHEAD IN QUALITY AND PERFORMANCE

Most of the technical properties of the GT are incorporated in the RIOT XR..

CORE are renowned for using only the highest quality materials in their kites, such as the specially selected UV-resistant material used in their canopies.

At the cutting edge of material selection and innovative manufacturing, CORE will first dip fibre into a special coating before it is woven. The fabric is then heat treated to produce a "Calendar finish". In this way each individual fibre is sealed, resulting in a fabric that will not absorb water even after heavy and prolonged use. This is in stark contrast to fabrics coated much later in the manufacturing process, a method used by other competitors.

Our production facility, where only Tube-kites are produced, employs a sophisticated, zero tolerance, quality control, ensuring that continuous quality is achieved.

When you touch the kite lines you can feel the unmistakable quality of the material. All the lines and knots on the kite are German made and develop in partnership with Liros, Germany.

Liros lines are well known in Aviation sports, for consistent and perfect finishes, reliable stiffness, abrasion resistance, sensitivity and safety. The flying lines of the CORE ESP-Bar have a breaking load of 368k at a diameter of only 1.8mm.

The RIOT XR has a new One-Pump-System. The tube lies more aerodynamic and closer to the canopy which limits wear and in turn servicing costs.

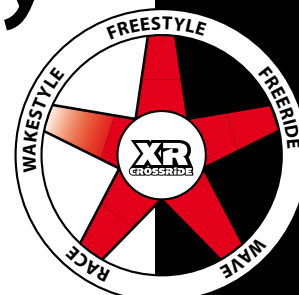
Middle Strut: We are of the opinion that the middle strut should be Solid as a Rock". For years we have tried prototypes without a Middle Strut or with an "Infill-Floating-Strut"; only to confirm that flight stability suffers without it. As a result we have stayed with the tried and trusted: Why change a winning formula?

The all purpose weapon is available in the following sizes:

	BEAUFORT	KNOTS	PRICE*
RIOT XR 5.0	6-9	24-45	879,- €
RIOT XR 6.0	5-8,5	20-40	899,- €
RIOT XR 7.0	4,5-8	16-35	919,- €
RIOT XR 8.0	4-7,5	14-33	939,- €
RIOT XR 9.0	4-7	12-30	959,- €
RIOT XR 10.0	3,5-6,5	11-28	999,- €
RIOT XR 11.0	3,5-6	10-26	1039,- €
RIOT XR 12.0	3-6	9-24	1089,- €
RIOT XR 13.5	3-5,5	8-22	1169,- €
RIOT XR 15.0	2,5-5	7-20	1229,- €
ESP Bar			379,- €

* kite-only, incl. Kite-Backpack & RepairKitPro • RRP 2010

compability	ESP Bar	5th HD Bar
RIOT XR	OK	OK



5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.5 | 15.0

RIOT XR
CROSSRIDE



Germany





Rider: Chris Bösch,



Designed and approved by Hiss-Tec Fehmarn in Germany





Riders

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Thomas Burblies, Christian Passenegg, Marilou Lavallee,





Control-SYSTEM

EJECTOR SAFETY & PERFORMANCE

- **Successful and thoroughly proven control bar system.**
- **Direct feeling with flying lines directly attached to adjuster.**
- **Short 5th-Line safety. Also optional, a Long 5th-Line.**
- **Unique "self-untwisting"**
- **One Bar fits all sizes of kite.**

Especially for the GT and XR the new ESP Control Bar System was developed and slightly modified from the already highly praised Control Bar System from CARVED and CORE. Note it is compatible with most other kites on the market too.

Obviously the "CORE ESP Control Bar System" includes the unique CORE characteristic of being self-untwisting. The main flying lines don't twist up anymore, even after 100 rotations in the same direction! The trick: Simply pull the bar briefly towards you and all twists come out.

Another aspect of the CORE Bar's economic design is that within 25 seconds you can attach the steering lines to either the inside or the outside of the CORE-Bar, thus changing its width. In this way you can cover all sizes of kite from 5-15 sqm with only one bar, therefore saving you money!

ESP Technology

The front-flying-lines go all the way down to the Adjuster. This results in any KITE having a more direct feel and reacting more precisely to the riders input, which is a real benefit when used for unhooked wave-riding. The feedback on the ESP Bar is immediate, which means that you have a better feel of the kite's position at all times.

The unique "Short 5th-Line" makes the relaunch safer, as it can't wrap itself around limbs or objects anymore, unlike the loose, floating "Long 5th-Line".

The "Short 5th Line" can, in a few simple steps, be replaced with the optional "Long 5th Line" if you prefer.

The CORE safety release on the bar is extremely safe and easy to use, especially under high loads.

The Line-ends are "Fool-Proof" when attaching the lines to the kite. It is not possible to accidentally swap front for back lines or visa versa.

The ongoing problem area of the Adjuster: We set ourselves the goal to find the best adjuster, but after years of failed trials with various clam cleats (clamp doesn't release, loose de-power rope wraps itself around the lines, chickenloop etc.), we have opted to stick with our proven "Pull-Pull" Adjuster and have managed to improve it even further.

All wear and tear parts can be cheaply and easily replaced.



VARIABLE BAR ENDS Two widths (55 and 45 cm) in one bar; ideal for all types and sizes of kites.

FOOL PROOF Prevents accidentally attaching the lines incorrectly. The line length on the ESP bar is 24m.



MINILOOP Easy to remove and there is another replacement in the bag.





ESP Bar

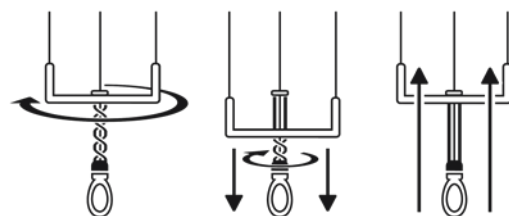
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REVOLUTIONARY

The Self-Untwisting ESP Bar System, with easy to use Pull-Pull adjuster. Every individual piece is replaceable.

THE CENTRE PIECE Our 5th line system is unique because it comes through the centre of the ejector. No tangling and totally safe for all moves.

UNEQUALLED The only reliable self-untwisting bar on the market. No twisted lines, even after 100 rotations, thanks to a separate line feeding through the bar.



KITE FINDER

CHOOSE YOUR DREAM KITE

Easy Choice - Both the GT and the CORE XR - both captivate in Freeride/Freestyle. Whilst the GT lends itself more to New School, the RIOT XR conquers the waves and exhibits exceptional up wind ability. Team either one up with the unrivalled EPS Bar for a winning combination.

	Wakestyle/ New School	Freestyle/ Hang Time	Freeride/ Easy Riding	Wave	Race
					
					
					

Our Boards

CARVED & DELUXE

The right board for every style and ability of rider:
CARVED custom made boards – High end quality and performance shaped and manufactured by Hiss-Tec on Fehmarn.
DELUXE production boards are made by Nidecker, in a classic snowboard construction.



carved
kiteboarding

Highly individually custom built boards to match a riders personal criteria. Using cutting edge technology and only the very best materials they guarantee an Incomparable Ride.

www.carved.de



DELUXE

3 Boards, 3 Styles
Freestyle Pro, Freeride and Freestyle Wave
A great looking, and easy riding production board.

www.deluxeboards.com





About

High Quality Lineup 2010/2011

Hiss-Tec Fehmarn

FINE TUNING SPECIALIST FROM THE ISLAND

Over the years Hiss-Tec has acquired a team of kite obsessed individuals , who have their hobby as their work and push the boundaries of both kite and board design on the Island of Fehmarn. Once they are happy with a product it is then sent to their National and International team riders for testing worldwide. When everyone is happy, it then get the seal,"Designed and Approved by Hiss-Tec" The GT was perfected in the waves of Hawaii, while the RIOT XR in the cross riding conditions of the crystal clear waters of the Indian Ocean giving incomparable days of kite sessions, experiences and innovations that are incorporated into every CORE Kite.

Experience it for yourself and test a CORE.





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KITBOARDING