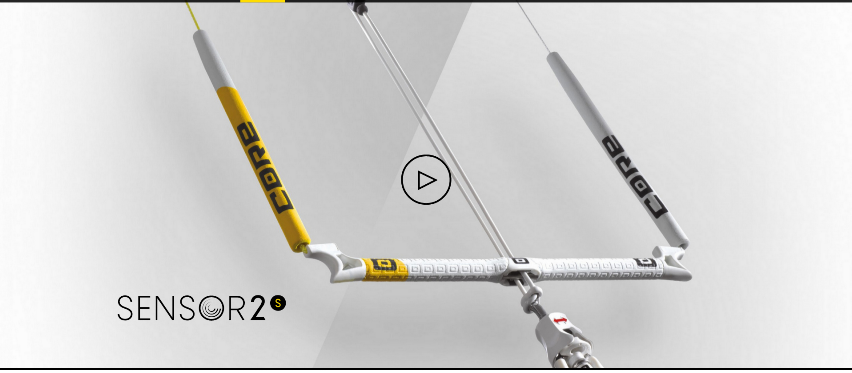


UNIBODY 4-LINE BAR WITH S-SYSTEM

SENSOR 2S

PEERLESS IN DESIGN. AND NOW WITH THE NEW S-SYSTEM.
LIGHT. DIRECT. SAFE.

Your session's awesomeness depends heavily on your gear. We believe the Sensor 2 control bar system contributes much more than you would think to kite performance. And it's what you don't see that makes our bars so unbelievably good. The functional know-how we hide inside and the minimalist design on the outside gives our bars the signature CORE confidence you expect. And the safety features you rely on.

The Sensor 2 bar is now joined by the new Sensor 2S and Sensor 2S Pro. Two new bars with more tech wizardry that you can't even see at first glance. Regardless of your bar selection, The CORE Sensor 2 bar system will provide you with the lightest, safest, and most direct feeling bar on the market. Because we sell more than just cool bars. We sell confidence.

Meet the new Sensor 2S. An intelligent mid-cycle update to the exceptional Sensor 2. A bar, where engineering ingenuity meets minimalism; where ceramic bearings are used to eliminate friction in the auto untwist function; and where Tectanium is used to make the thinnest and most aerodynamic depower lines. Technical innovations that make the Sensor 2S bar system peerless. Sometimes, it's what you don't see, that makes it so good.

FEATURES

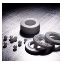
- CERAMIC UNTWIST
- S-NECK
- TECTANIUM S-SLIDE/DEPOWER LINES
- 230G UNIBODY BAR
- TITANIUM CORE
- ROTOR QUICK RELEASE
- SUPPORTED SINGLE FRONTLINE SAFETY (SSF)
- SHORT SAFETY LEASH
- SPLICED ENDS
- LINES MADE IN GERMANY
- VARIO WIDTH
- CORE LOOP/STICK SET
- SENSOR ADJUSTER
- REPLACEABLE BAR INSERTS

KEY FEATURE SNAPSHOT

THE "S-SYSTEM"

CERAMIC UNTWIST

Functional simplicity. Untwisting your front lines has never been easier. Front line twists only occur below the Sensor 2S bar. An improved, below the bar, swivel with hi-tech ceramic bearings unravels the front lines virtually on its own or whenever the bar is pulled in. The days of manually spinning the front line swivel are over. Welcome to the Sensor 2S era of super auto untwist!



S-NECK

Perfect balance. The stainless steel connection between the Rotor QR and the depower lines is shaped to provide more symmetric pulling forces on the lines. S-Neck: Smoother auto untwist. Zero unwanted leverage. Perfectly symmetric pulling forces. Now that's smart.

TECTANIUM S-SLIDE / DEPOWER LINES

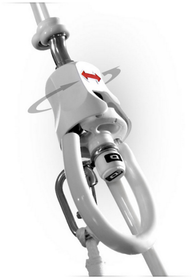
The Sensor 2S replaces the front lines from the "Y" to the chicken loop with our exclusive, no stretch, Tectanium. And we protect it with a 5.2mm, UV-stabilized, Polyether where it passes through the bar. Techno speak for a really durable, self-lubricating, no pinch, depower line. The new, virtually frictionless, depower/safety lines are more aerodynamic, provide better feedback, and are more comfortable between the fingers. Just wait till you try it. You'll see.

ULTRALIGHT UNIBODY BAR

Made in Germany. The featherlight, unibody bar comes in at a mere 230g. The key to the Sensor 2S's light and super direct feel is found in its low mass and low bar-end height. Inertia is reduced and leverage is optimized. The Sensor 2S sports a deeply contoured EVA grip for long lasting comfort and excellent hold. The reduced diameter grip makes even gloved sessions more comfortable and less fatiguing.

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 2S's direct feel. And it permits a reduced diameter, no cramp, grip.



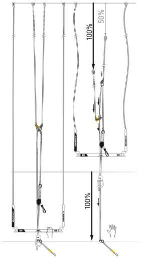
ROTOR QUICKRELEASE

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?

SUPPORTED SINGLE FRONTLINE SAFETY (SSF)

Exclusive to CORE. 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 2 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 on the other front line that prevents the kite from turtling and remaining sky bound.

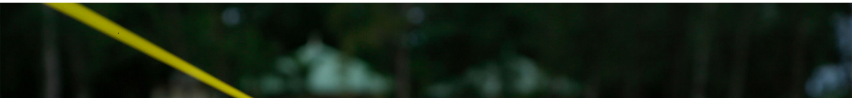


SHORT SAFETY LEASH

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.

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.

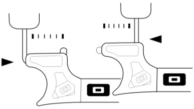


DURABLE 24 METER LINES

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

VARIO WIDTH

One bar covers all our kite sizes. From 4 to 19m! Nice. The Sensor 2S 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.

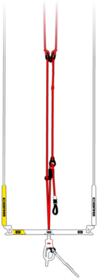


CORE LOOP/STICK SET

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.

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.



OPTIONAL ACCESSORIES

REPLACEABLE BAR INSERTS

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

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.

PRO LEASH 2S

Elevate your game with the new Pro Leash 2S. A leash engineered for you, the hardcore freestyle/wakestyle kiter. A kite leash designed for anyone attempting unhooked, freestyle or wakestyle moves who 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. The newly integrated swivel eliminates leash twist with multiple handle passes. It is exceptionally lightweight, reducing the swing weight to a minimum. Fully stretched, the leash extends 170cm. The optional extension expands the leash to a length of 215cm which opens the door for double passes even when it is attached to our recommended front mounting location on your harness.

WAKESTYLE KIT

Unhooked is your thing? The wakestyle kit works with our Pro Leash and Pro Loop. Once installed, you can hook your Leash in semi-suicide mode. The kit makes it easier to hook in and out by moving the carabiner out of the way. It also reduces unwanted pressure on the safety line and S-System from the leash.

HOW TO INSTALL THE
SEMI-SUICIDE MODE

MOMENTS

	Prices*
Sensor 2S	519 EUR

*suggested retail price. Pricing may vary.

6 YEAR PARTS AVAILABILITY

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

COMPATIBILITY

The Sensor 2S/2S+ bar is fully compatible with the XR7, XR7 LW, XR6, XR6 LW, XR5, XR5 LW, XR4, XR4 LW, Riot XR3, Riot XR3 LW, Riot XR2, Riot XR2 LW, Riot XR, Riot XR LW, Nexus 2, Nexus 2 LW, Nexus, Nexus LW, Free, Free LW, GTS6, GTS6 LW, GTS5, GTS5 LW, GTS4, GTS4 LW, GTS3, GTS3 LW, GTS2, GTS, GT, XLITE, Section 4, Section 3, Section 3 LW, Section 2, Section 2 LW, Section, Section LW, Impact 2, Impact and lots of 4-line kites by other brands.

SUPPORT

- Download PDF Manual
- Register your bar online
- Accessories & Parts
- CORE Store
- CORE Support

Now available at your local CORE retailer.

DELIVERY INCLUDES

SENSOR 2S

S-System, 24m lines, 52/46 cm bar, leash, bar bag & manual.

SHARE | TWEET | SHARE | PIN IT | MAIL

PERFECT MATCH

NEXUS 3

Wave + | Freestyle | Freeride

XR7

High Performance Freeride + | Big Air | Freestyle | Wave

GTS6

Freestyle + | Wave | Freeride

SENSOR 3 PRO

Sensory Perfection

MORE ABOUT CORE

6 month **extended warranty** with product registration. Click here for your chance to win!	**6 year** replacement parts availability	**Global** support

KITE > BARS > SENSOR 2S

WING
XC
Roamer
Spectrum

KITES
XR7
Nexus 3
GTS6
XLITE 2
Section 4
Impact 2
Xperience
LIGHTWIND SERIES
SPECIALIZED SERIES

CONTROL BARS
Sensor 2S
Sensor 3 Pro
Sensor 3/3+

BOARDS
TWINTIPS
Fusion 5
Choice 5
Bolt 4
SURFBOARDS
Ripper 4
720
Green Room

FOIL
XLITE 2
SLC
Sensor 3 Pro

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