



▶ DUOTONE

D U O T O N E

W I N D

S U R F I N G

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DUOTONE DEDICATED TO WINDSURFING - SINCE 1981



THE POWER OF NEW ENERGY

WHAT SOME MAY STILL NOT HAVE NOTICED, WAS FOR MOST WINDSURFERS, THE BIGGEST AND MOST AMAZING CHANGE IN RECENT YEARS ON THE MARKET: SINCE THE SUMMER OF 2018, BOARDS & MORE DEVELOPS AND SELLS ALL RIG PRODUCTS UNDER THE NAME DUOTONE!

The new brand, which has retained the entire development, sales and production team, as well as all team riders, has caused a sensation in the first year. Innumerable achievements and even world cup titles, new fans and excellent products and tests crown our year 1. We are particularly proud of the fact that all the promises we made at the start were put into action: to pack the most advanced technologies and features, outstanding performance and unique quality in every DUOTONE product for which we have been known since 1981. And all packed in a modern look. Because with this we are proving what we assert in many ways: WE KEEP IT TRUE!

DUOTONE made a brilliant start and reached more windsurfers than we ever dreamed of. The more motivated we start the season 2020 – and present products that will motivate you to spend even more time with the hottest sport in the world.

Have a DUOTONE 2020!

MAUI SAIL DESIGN MEETS GERMAN ENGINEERING

DUOTONE is home to a whole bunch of windsurfing addicts, designers and engineers whose entire world revolves around this one topic. We spend a lot of time on Maui or Tenerife, whether we're training, tinkering with equipment, testing, or making improvements to prototypes. Both places offer diverse and steady conditions, and are a temporary home to a large number of famous watermen and first-class riders. The direct exchange and constant tests on the water with them is essential for the entire development work.

When it comes to developments specifically for racing and freeriding, sail designer Kai Hopf and the entire test crew now use the new DUOTONE sail loft on Tenerife. Especially during the winter months you find fantastic conditions there to optimally examine the material. Riders of different brands know this as well, so that almost all world cup racers train there around buoys under realistic PWA competition conditions and compete daily. As the only brand we actively use this to compare our products and performance and objectively review the potential of our products.

All of this makes the Hawaiian island a world-famous windsurfing paradise and the "place to be". This is where the evolution takes place – where most of the new trends in the business are set. It's where we soak it all in, introduce new ideas and use them to develop the technologies and products of tomorrow. And of course, the island is also home to sail designer Kai Hopf and the entire test crew. All this is what characterises DUOTONE – a unique combination of

True Maui spirit, the most experienced development and test team, two creative design lofts on Hawaii and the Canaries, combined with typically German perfectionism: This is unique in its kind and is called DUOTONE – DEDICATED TO WINDSURFING SINCE 1981!

TEAM & DEVELOPMENT

Top athletes and World Cup racers are only relaxed when they're not on the water. When it comes to equipment, they get bitchy and demand the very best. This is exhausting, but good, because they provide very important feedback sometimes some criticism, and often inspiration for new innovations. That's why it's so important for us to have a space in which the athletes, our developers and head designer Kai Hopf can exchange ideas. Thanks to this intense level of collaboration, the team has notched up countless World Cup victories and championship titles – the very same team that now oversees DUOTONE.

Since 2019 the coordination of all testers, experts and sailors is the responsibility of our chief tester Marco Lang. The internationally successful windsurfing professional, winner of the PWA World Cup on Sylt in 2017, checks every single product on the water. His reports and the collected feedback from the pro team significantly influence the implementation of the equipment right until the finished product.

It's worth noting, incidentally, that all competitions were and are only entered using series-produced equipment. This is a testament to the outstanding performance of all series products and gives every DUOTONE customer a guarantee that they are using the same high-quality materials as the world's best.



KAI HOPF
CHIEF SAIL DESIGNER



ULRICH BITTEROLF
HARDWARE ENGINEERING



JOSÉ GOLLITO ESTREDO



TEAM & DEVELOPMENT



PIERRE MORTEFON



ALEXANDER HASCH
SALES/MARKETING



RAOUL JOA
PRODUCT MANAGEMENT/MARKETING

INNOVATION FOLLOWS FUNCTION

Even though our R&D work is centred on Maui and Tenerife, we maintain links with various riders at a wide variety of locations around the world, taking into account specific requirements and ensuring that innovations are always in line with function. Throughout development our focus is always on practical, real-world usage – from the prototype to the final product. That's why we manufacture our products at what will subsequently be the production site, not through manual labour in the custom loft!



MARCO LANG
CHIEF TESTER

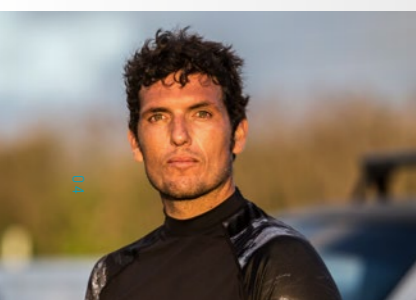
SAIL DESIGNER KAI HOPF

No other designer is as meticulous or oriented to practical usage as Kai Hopf. The Australian and former World Cup rider has been associated with the world's most influential sail makers for decades. A designer of high-quality fin profiles for many top-class riders and kitesurfers, Kai still prefers to spend his time on the water in order to thoroughly test his products first-hand whilst following his passion. His wealth of experience in profiles, materials and manufacturing technologies is irreplaceable and essential to what we do.



KLAAS VOGET

VICTOR FERNÁNDEZ



ON THE TEAM OF SPIRIT ON DREAM



WAVE



KLAAS VOGET · G-4



VICTOR FERNÁNDEZ · E-42



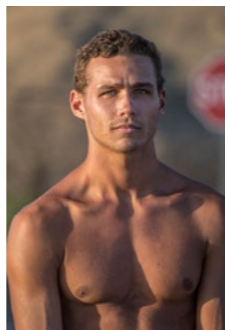
ADAM LEWIS · K-516



MARIÁ ANDRÉS · E-2



ALESSIO STILLRICH · G-95

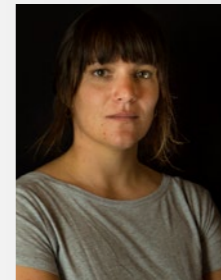


ARTHUR ARUTKIN · FRA-1111

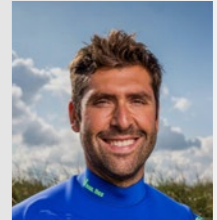
RACE



PIERRE MORTEFON · F-14



MARION MORTEFON · F-118



VINCENT LANGER · GER-1



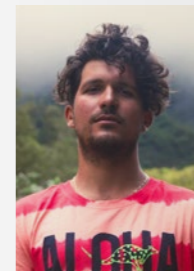
JORDY VONK · NED-69



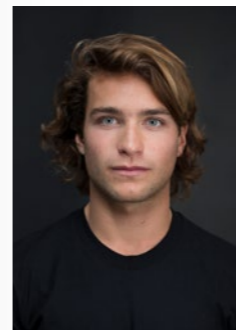
MARCO LANG · AUT-66



ADRIEN BOSSON · F-296



MAX MATISSEK · OE-9



RICCARDO MARCA · ITA-988



ARRIANNE AUKES · H-131



JOSÉ "GOLLITO" ESTREDO · V-10

FREESTYLE

W

H

FUNCTION

IT IS ALWAYS A BETTER IDEA TO INVEST IN A TRIED-AND-TESTED DUOTONE PRODUCT RATHER THAN OPT FOR A CHEAP “BARGAIN” WITH LIMITED PERFORMANCE AND DURABILITY. AND HERE ARE A COUPLE OF REAL REASONS WHY WE ARE SO SURE ABOUT THAT. AS FOR THE REST, YOU’LL LEARN THEM WHEN YOU’RE ON THE WATER. BY THEN YOU’LL SURELY KNOW WHY DUOTONE STANDS FOR TRUE WINDSURFING. BY THEN YOU’LL SURELY KNOW WHY DUOTONE STANDS FOR TRUE WINDSURFING.

PRACTICAL RIG COMPONENTS

We do not sell short-lived vanity products. Rather, we develop practical windsurfing equipment that boasts a longevity that is without rival on the market. All of our individual rig components work together for many years in harmony.

OUTSTANDING QUALITY

A major factor in performance is quality, so durability, alongside a product’s potential for performance, is incredibly important. It’s no wonder that most surfing centres around the world now place their confidence in DUOTONE products, because nowhere else are sails subjected to such heavy loads, with materials required round the clock.



RANGE-SPECIFIC CONSTRUCTIONS

Wave sails are subjected to different, more extreme loads than freeride or slalom sails. For this reason, the designs are adapted specifically to the sail type and the respective size. This is what we call “range-specific construction” – an approach that achieves the ideal balance between weight and durability. To guarantee this, these sails come with our unique 2+3 YEAR WARRANTY*.

5 2+3 YEAR WARRANTY

2 2 YEAR UNCONDITIONAL WARRANTY

AND

Y

INNOVATION

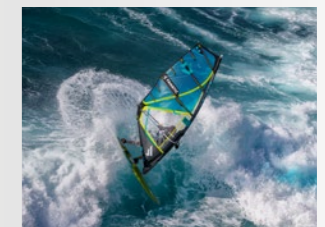
DESIGNED AND ENGINEERED IN GERMANY

Almost all other manufacturers have their products developed in the Far East. We, on the other hand, design and uild all of our hardware products in Germany – even the more technically complex components such as the iFRONT 2.0, POWER.XT 2.0 and iBASE 2.0. We rely on highly trained engineers with many years of experience to work with national partners in developing high-performance, high-quality products.



EXCLUSIVE SAIL FEATURES

Our products include dozens of details and useful additional features exclusive to DUOTONE that allow riders of various ability levels to take full advantage of our sails. With simplified trim, features to help riders conserve energy and perfect rig control even when overpowered – everything to make top performance as easy as possible to achieve.



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CLIMATE

PROTECTION



WE AT DUOTONE BELIEVE THAT LIMITS ARE DEFINED MOSTLY BY AN INDIVIDUAL'S SKILLS AND PASSION. WIND AND WEATHER ARE BARRIERS THAT WE OVERCOME.

Therefore, we provide you with the gear to find – and exceed– your own limits. We support all of you in fulfilling your dreams and your desires on the water and in the air. But when our planet is not healthy, we are confronted with other insuperable limits. We see it as our mission to counteract these developments by helping to keep the seas and the air clean and our earth healthy. Building Windsurfing Sails and Hardware will always have an environmental footprint. We strive to minimize this footprint whenever possible by developing new environmentally friendly packaging, by improving transport routes, by researching recyclable materials and greener manufacturing processes and by supporting organizations that fight global warming. We take these efforts very seriously, because we are responsible for future generations to be able to enjoy these amazing sports in incredible surroundings.

OUR CONTRIBUTION

We offer climate neutral products.

This means we offset all carbon emissions caused by our products during manufacture and transport. Therefore we support a hydropower carbon offset project in Kuruwita, Sri Lanka – in cooperation with ClimatePartner, a leading solutions provider for corporate climate protection. This entire process is transparent and traceable thanks to the ClimatePartner label, ID and certificate.

For more detailed information, please visit our website: www.duotonesports.com/windsurfing/more/about-us/climate-neutral/

SUSTAINABILITY

Admittedly, because of the material requirements of sails, this is not an easy subject for us. However, wherever it is possible to avoid unnecessary impact to the environment, we reduce the use of resources of all kinds to a minimum.

- ✦ For example, we are the only brand that packages all of our sails without the use of plastic films and foam packaging, which saves around five square metres of PVC film and foam for each individual sail packaging.
- ✦ And in order to reduce unnecessary transportation, we rely on our national partners as often as possible. And this is especially true for booms and extensions. We are the only brand that produces these primarily in Germany, using 100 % European raw materials in order to keep shipping distances to a minimum.
- ✦ By collaborating with a company which uses only solar energy and can demonstrate completely CO2-neutral production, we make a significant contribution to keeping products and production processes as sustainable as possible.

SAILS



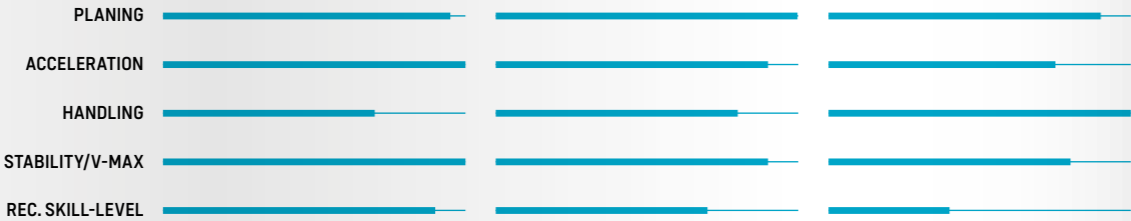
WARP 20.20
WORLD CUP SLALOM



S_PACE
PERFORMANCE SWITCH.CAM



E_PACE / HD
NO-CAM PERFORMANCE



SAIL PROFIL



LATTEN/CAMBER	<div><div></div></div> <div>✚ Seven battens, four cambers: maximum profile stability for an extremely wide wind range and maximum speed</div>	<div><div></div></div> <div>✚ Seven (or six) battens, three or two cambers: high stability AND good batten rotation</div>	<div><div></div></div> <div>✚ NO CAM design for extremely fast on-water starts and effortless batten rotation</div>
LOOSE LEECH	<div><div></div></div> <div>✚ Reduced loose leech: faster acceleration when setting off and from a gybe</div>	<div><div></div></div> <div>✚ Reduced loose leech: faster acceleration when setting off and after a gybe</div>	<div><div></div></div> <div>✚ Reduced loose leech: faster acceleration when setting off and after a gybe</div>
LUFF CURVE	<div><div></div></div> <div>✚ Reduced luff curve: the lower sail tension reduces race fatigue by lowering the amount of abrupt forces</div>	<div><div></div></div> <div>✚ Reduced luff curve: the lower sail tension reduces muscle strain</div>	<div><div></div></div> <div>✚ Reduced luff curve: lower sail tension for reduced grip force</div>
PROFILE DISTRIBUTION	<div><div></div></div> <div>✚ Positive profile even from the second batten (from the top) for additional acceleration power</div>	<div><div></div></div> <div>✚ Positive profile even from the second batten (from the top) for additional acceleration power</div>	<div><div></div></div> <div>✚ Positive profile even from the second batten (from the top) for additional acceleration power</div>
ADDITIONAL DETAILS	<div><div></div></div> <div>✚ Moderate CUTAWAY CLEW: minimal blow-out for more power and more direct forward pull</div> <div>✚ Kevlar strips along the entire length of the leading edge, preventing lateral flex (while maintaining side flex) and thus loss of control</div> <div>✚ Broad double-foil luff sleeve: optimised aerodynamics for maximum performance</div>	<div><div></div></div> <div>✚ Moderate CUTAWAY CLEW: minimal blow-out for more power and more direct forward pull</div> <div>✚ AERO SLEEVE DESIGN 2.0: higher-volume double-foil luff sleeve in the boom area for improved aerodynamics and maximum performance; narrow luff sleeve at the top for extremely fast on-water starts</div> <div>✚ Extremely low foot profile for maximum planing power</div>	<div><div></div></div> <div>✚ Medium CUTAWAY CLEW: the ideal balance between comfort and performance</div> <div>✚ PROGRESSIVE BATTEN CONFIGURATION (six or seven battens depending on the size of the sail) – an ideal balance between profile stability and low weight</div> <div>✚ Extremely low foot profile for maximum planing power</div>

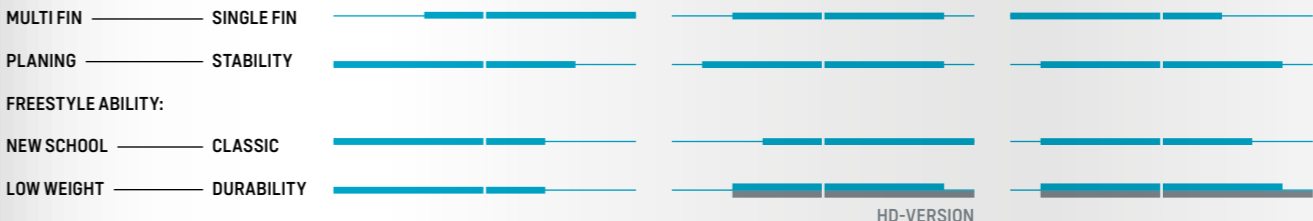
IDOL LTD
ULTRALIGHT FREESTYLE COMP.



SUPER SESSION / HD
POWERWAVE – BUMP & JUMP



SUPER HERO / M.PLUS / HD
WAVE ALL IN ONE



HD-VERSION

SAIL PROFIL



BATTEN CONFIGURATION	<div><div></div></div> <div>✚ Four-batten design for maximum handling at minimal weight</div>	<div><div></div></div> <div>✚ 5 batten design for an ideal mix of handling and stability</div>	<div><div></div></div> <div>✚ Four-batten design for maximum handling at minimal weight</div>
HORIZONTAL DRAFT POSITION	<div><div></div></div> <div>✚ Horizontal draft position right at the front for absolutely neutral manoeuvring characteristics</div>	<div><div></div></div> <div>✚ Horizontal draft position: forward oriented draft for a crisp and very light feel</div>	<div><div></div></div> <div>✚ Further back: absolutely neutral load distribution on both hands – ideal for all types of wave boards</div>
VERTICAL DRAFT POSITION	<div><div></div></div> <div>✚ Vertical draft position right at the top for generating maximum lift for all jump tricks</div>	<div><div></div></div> <div>✚ Higher vertical draft position: generates lift for improved planing power and an upright sailing position</div>	<div><div></div></div> <div>✚ Medium-low vertical draft position: outstanding stability despite the low number of battens</div>
ADDITIONAL DETAILS	<div><div></div></div> <div>✚ Extremely high clew for high-speed diving manoeuvres without losing speed</div> <div>✚ CONVEX DACRON LUFF PANEL: highly elastic for maximum lift in all jumps from lee position</div> <div>✚ 1The 100-micron ULTRA FILM, 3 tube battens, iROCKET 2.0 tensioner and the MINI PROTECTOR make the IDOL LTD the most lightweight freestyle monofilm sail on the market</div>	<div><div></div></div> <div>✚ Sail design with wide trim-range allows to trim the sail with less or more loose leech so that you can cover a very large wind range. Also allows to individually adjust the sail feeling according to the sailors preferences (stiffer/more direct or more elastic/more comfortable)</div>	<div><div></div></div> <div>✚ Less loose leech, generating a lot of low-end power</div> <div>✚ The larger gap between the third and fourth battens allows the profile to fill out more easily, generating more power and allowing you to depower perfectly on the wave</div>

WARP

WORLD CUP SLALOM

20.20

“THE WARP 20.20 SLALOM SAIL IS QUICKER TO SET UP, SAVES MORE ENERGY AND IS YET MORE COMPETITIVE THAN ANY OTHER THAT I’VE EVER SAILED BEFORE.”

PIERRE MORTEFON

The WARP 9.0LW won six of the seven eliminations in the 2015 racing season, making it the most successful slalom sail in PWA history. It was our first racing sail with a completely new, revolutionary profile concept called the NO COMPROMISE DESIGN. With extreme propulsion, boundless speed and a design intended for victory with no compromises, this is quite simply the ultimate World Cup racing sail. Thanks to the NO COMPROMISE DESIGN, the WARP 20.20 also possesses greater planing power and acceleration after start and gybe compared to other sails, without requiring more strength on the part of the rider. This gives riders greater strength reserves over the entire racecourse and allows them to concentrate on manoeuvring. Combined with the unrivalled effortlessness of camber rotation, this makes the WARP 20.20 the first choice for more than just World Cup riders.

More than three years of development went into the profile and design concept of the WARP 20.20, whose panel-based layout takes into account the wide range of factors influencing the rig. And the result is outstanding – with the NO COMPROMISE DESIGN, all WARP sails generate enormous propulsion and more acceleration at the start and after a gybe. The key characteristic is that this propulsion does not kick in abruptly and thus does not require lots of effort to absorb. Instead, the forward pull is much more controlled and effortless than other power slalom sails. This relieves strain on the rider, giving them strength reserves for the rest of the course, and allowing them to concentrate fully on the racing action. And with the correct luff and outhaul tension, the WARP performs across the entire wind range with the same trim.

FUNCTION AND ADVANTAGES OF THE NO COMPROMISE DESIGN

Maximum propulsion and top acceleration after gybing has had considerable downsides in the past:

- ✦ a. Extreme effort
When “only” the foot profile is set lower without adapting the loose leech and luff curve. Lots of luff curvature, low profile and strong loose leech require lots of strength because the propulsion starts all at once after a brief delay.
- ✦ b. Reduced stability, lower wind range
When the profile is deeper and the luff curve is reduced. The lower curve releases tension from the luff, which has a negative impact on stability and range of use.

THE NO COMPROMISE DESIGN CAN DO WHAT WAS PREVIOUSLY IMPOSSIBLE

- ✦ Step 1
More profile in the entire sail, which provides a power boost when accelerating.
- ✦ Step 2
Reduction of the luff curve, thus weakening the sail tension and loose leech. This provides constant, powerful propulsion and more gentle, progressive handling forces.
- ✦ Step 3
In order to maintain stability and wind range, the double-foil luff sleeve for the first time consists entirely of low-stretch XPLY PLUS and a non-stretch Kevlar strip on the leading edge. This prevents excessive bending towards the trailing edge while maintaining the same side flex. As a result, the wide range of use is maintained along with perfect sail stability. The draft position towards the front with lower loose leech transfers power to the lower end of the wind range and gives a boost to heavier riders.



IMPORTANT

World Cup-level success, 100% performance and the non-stretch design require a perfect set-up and experienced trimming. All WARP sails generate maximum propulsion only with PLATINUM masts and millimetre-precision trimming. As a result, the use of a POWER.XT is absolutely essential.

KEY FEATURES

- ✦ NO COMPROMISE DESIGN: An ideal mix of maximum acceleration and constant propulsion without the need for additional effort, and without compromising control and wind range
- ✦ SIZESPECIFIC DESIGN: With three different size-specific designs, each sail size is adapted to the specific wind strength, down to the minutest details
- ✦ XPLY BATTEN POCKET: Non-stretch and water-resistant (dry weight is equal to wet weight)
- ✦ 7 BATTEN DESIGN: This design makes the WARP 20.20 one of the most lightweight racing sails on the market
- ✦ Saves on weight thanks to the MINI PROTECTOR and the super-lightweight iROCKET 2.0 batten tensioner
- ✦ MODERATE CUTAWAY CLEW: Lower blow-out for more power and more direct forward pull
- ✦ HYPER CAM 2.0:
Completely new and technically superior: the camber revolution with adjustable length – for optimised rotation and increased performance
- ✦ ON THE COURSE – FOR THE COURSE:
Because it's developed, tested and compared against all similar racing sails under real competitive conditions, we know that with the new WARP 20.20 there's everything to play for!



C 0 4 **FERRARI. RED**
NOIR. BLACK

SIZES 5.0 5.5 6.2 7.0 7.7 8.4 9.0

S _

PERFORMANCE CAM

PACE

“3 IN 1: THE MAIN DIFFERENCE BETWEEN THE S_PACE AND THE WARP 20.20 CONCLUDES THAT THE S_PACE HAS A MASSIVE (DOWNHAUL) TRIM RANGE AND THEREFORE CAN BE CHANGED LIKE A CHAMELEON”

MARCO LANG

The highly sporty, competitive slalom sail with unbelievable forward pull – the S_PACE craves for speed and yet is easy to handle. It carries the racing genes of the WARP for unrestricted power delivery, but at the same time the handling is extraordinarily simple for this class. The Base is the revolutionary 3 IN 1 DESIGN that Kai has developed over a period of 3 years, which allows an unprecedented trim range. Together with the three brand-new HYPER CAM 2.0, a tremendously wide range of use is the result: Adjusting the S_PACE trim for low- or high end conditions fundamentally changes the sail, which makes it possible to achieve maximum performance across all wind conditions!

The new S_PACE featuring the 3 IN 1 DESIGN is the perfect symbiosis of our most successful race slalom and freeride sails: whether V-Max, maximum acceleration or used as a sporty foil engine, the S_PACE is the most versatile cam sail on the market. With this sail designer Kai Hopf combines the top performance of the WARP with a very balanced sailing behaviour and a much wider range of use. This is achieved through a greatly reduced and almost straight luff curve in the upper area. This causes changes in the luffing tension to have a very large effect on the leech. Low downhaul tension results in a very tight leech, high tension leads to a very pronounced loose leech. The two extremely far apart positioned MIN and MAX trim points are proof of testament that the 3 IN 1 DESIGN covers an incredibly wide wind range. On top the S_PACE shows a completely different high- or low end performance and sail character depending on the trim.

On MIN setting with tight leech, it's super effective to pump, accelerates very efficiently and feels incredibly light – ideal also for foiling. On MAX trim, however, the S_PACE feels very similar to the WARP, constantly getting faster without limits. Three new, length-adjustable HYPER CAMS 2.0 ensure unique draft- and profile stability yet smooth rotation.

Particularly noticeable is the highly tapered luff sleeve in the AERO SLEEVE DESIGN 2.0. Its width in the aerodynamically important boom area enables the optimal transition from the “thick” mast leading edge to the “thin” sail body. However, at the top of the sail the luff sleeve has remained relatively narrow to enable fast water starts. This is supported by the LUFF LIFT DESIGN of the WARP 20.20, which provides additional lift.

Simply awesome:

When used for foiling the S_PACE features a special clew eyelet to be able to position the sail even more upright!



KEY FEATURES

- ✦ 3 IN 1 DESIGN:
For unprecedented trim range and an extremely wide wind range
- ✦ HYPER CAM 2.0:
Completely new and technically superior: the camber revolution with adjustable length – for optimised rotation and increased performance
- ✦ AERO SLEEVE DESIGN 2.0: Maximum propulsion combined with fast water starting
- ✦ HOLLOW LOWER LEECH: Reduces the boom length without losing power
- ✦ iBUMPER 2.0: Even more lightweight and effective, with integrated trim indicator
- ✦ MINIMUM MAST CONCEPT:
Two masts are sufficient for all sail sizes



C 2 5 NEW ORLEANS . BLUE
NOIR . BLACK

SIZES 6.0 6.6 7.3 7.8 8.3 8.8 9.3

5 YEAR WARRANTY



H Y P E R C A M 2 . 0



WARP / S_PACE

OPTIMUM PERFORMANCE AND CAMBER ROTATION AT ANY TIME! HYPER CAM 2.0 IS THE CAMBER REVOLUTION FOR EVEN MORE SAIL PERFORMANCE.

The secret is a variable slider which gets adjusted via a Torx stainless steel screw, determining the camber length. Further extended results in maximum propulsion, slightly shortened optimizes the rotation.

The difference is clearly noticeable and has a great influence on the performance level of the sail. The camber length can be changed by anyone within seconds and adjusted to his preferences, even under full sail tension. Despite this unique additional function, the HYPER CAM 2.0 is only slightly heavier since the housing is weight-optimized.

ADVANTAGE 1

- ✦ Super-fast rigging up (only rolling on instead of snapping on) without having to correct luff and outhaul tension multiple times.

ADVANTAGE 2

- ✦ Minimal friction and very gentle batten rotation, since the HYPER CAM has exposed pulleys without plastic braces and only the pulleys touch the mast.

ADVANTAGE 3

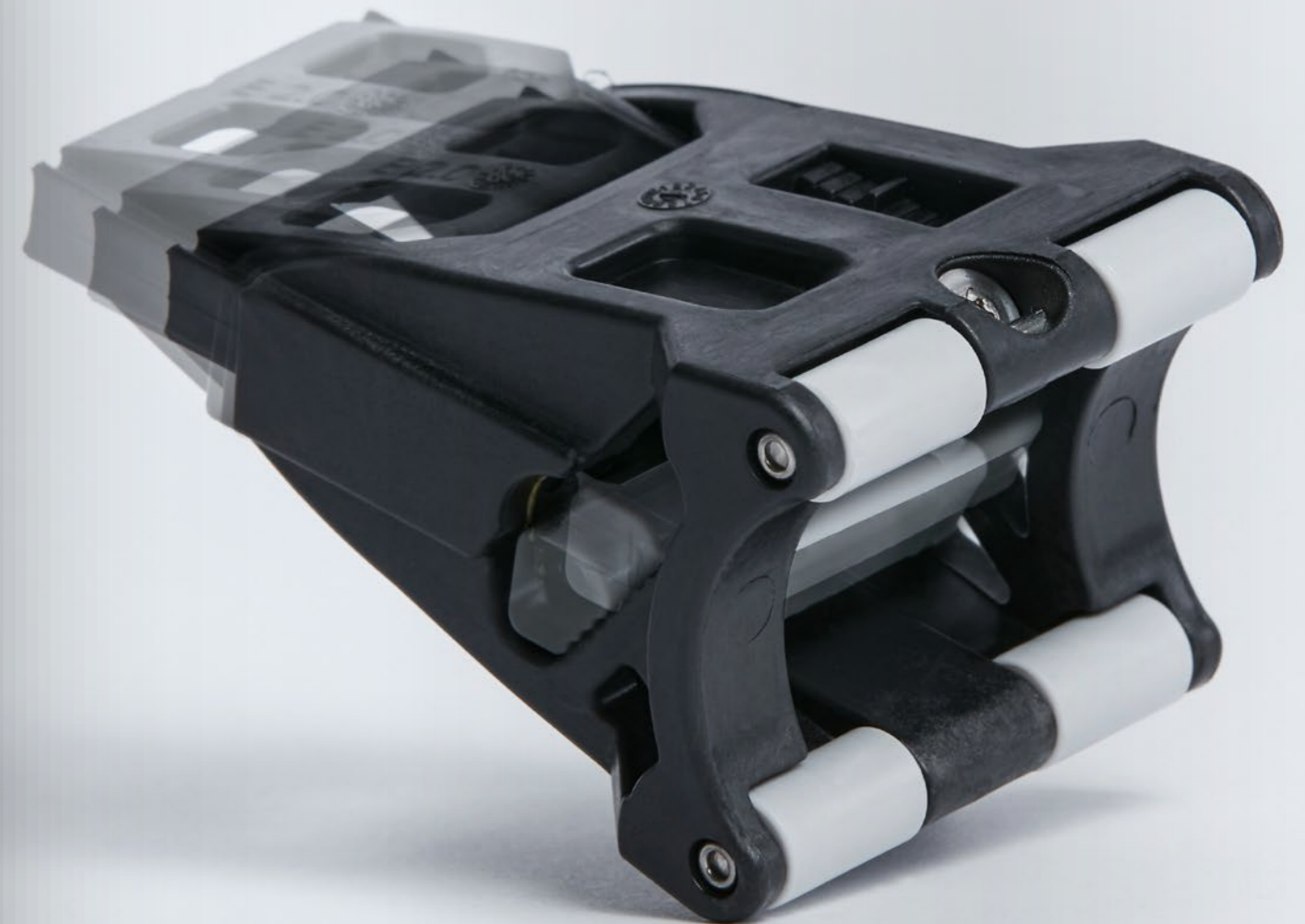
- ✦ Optimised shape for the best possible luff sleeve profile and ideal aerodynamics.

ADVANTAGE 4

- ✦ Suitable for all mast diameters because only the pulleys touch the surface and never the plastic structures themselves, allowing the HYPER CAM to rotate with extreme ease.

ADVANTAGE 5

- ✦ Fast and easy length adjustment for individual tuning of max. performance vs. ease of rotation.



E _ 

P E R F O R M A N C E N O C A M

P A C E

“WITH THE BRAND NEW 3 IN 1 DESIGN THE E_PACE GETS AN UNPRECEDENTED TRIM RANGE AND CAN BE EXTREMELY CHANGED. THAT’S WHY DEPENDING ON THE TRIM IT’S BOTH THE MOST POWERFUL YET THE FASTEST NO CAM SAIL WE’VE EVER BUILT!”

CHIEF SAIL DESIGNER KAI HOPF

The brand-new E_PACEs are exactly the kind of athletic freeride sails which make windsurfing so fascinating and uncomplicated: easy to rig, accelerate like an e-motor and get into planing without pumping. Paired with competitive speed potential and the playful handling of a no-cam sail. This is pure windsurfing, with lots of thrust, speed AND the special ease for sporty driven maneuvers.

Versatility is the great strength of the E_PACE: versatile range of use, versatile in a wide range of wind conditions. Thanks to the 3 IN 1 DESIGN with a greatly reduced luff curve, which is almost straight in the upper area, the downhaul tension has a major influence on the loose leech - and in turn on the character of the sail, depending on the trim. The two extremely wide MIN and MAX trim points offer the opportunity to cover an incredibly wide wind angle and to give the E_PACE a completely different high- or low end performance and sail feeling. On MIN setting it accelerates very powerfully with the slightest wind pressure and feels incredibly light - ideal also for foiling. On MAX trim, however, it offers endless speed and control even when overpowered thanks to its pronounced loose leech.

Ergo: The new No Cam E_PACE is the perfect freeride sail for all waters and conditions, combining handling and rigging advantages with a crisp, direct feel and harmonious, sparkling power delivery. Offering lot of fun, confidence, control and wonderfully easy windsurfing. We are sure that there is no No Cam sail out there covering a larger wind range and range of use than the E_PACE.

Simply awesome: When used for foiling the E_PACE features a special clew eyelet to be able to position the sail even more upright!

All E_PACE are also available in monofilm-free HD construction. The extremely durable material mix, however, has its price, which we want to point out.



COLOUR

COMBINATIONS

C 2 5 **NOIR.BLACK**
SNOW.WHITEH D **NEW.**
ORLEANS.BLUE
NOIR.BLACKC 2 4 **NEW.ORLEANS.BLUE**
NOIR.BLACK**KEYFEATURES**

- + 3 IN 1 DESIGN: For unprecedented trim range and an extremely wide wind range
- + HOLLOW LOWER LEECH: Reduces the boom length without losing power
- + VTS 2.0: The optional trim indicator makes it easy to trim to the point without ever having to check the loose leech in the top (patent pending)
- + PROGRESSIVE BATTEN CONFIGURATION: Number of battens depending on the size of the sail and thus optimally adapted to the range of use
- + MINIMUM MAST CONCEPT: Two masts are sufficient for all sail sizes.
- + Also available as monofilm-free HD version

SIZES

5.4

5.8

6.2

6.6

7.3

7.8

8.2

5 YEAR WARRANTY

IDOL

ULTRALIGHT

LTD

FREESTYLE COMP

“THE SOMEWHAT NARROWER TOP AND THE LOWER POSITION OF THE BATTEN ABOVE THE BOOM GIVES THE NEW IDOL LTD EVEN MORE LIFT AND CONTROL WHEN I’M DOING ALL OF MY MANOEUVRES.”

GOLLITO ESTREDO

Light – lighter – a radically lightweight sail. The IDOL LTD is the completely personalised pro model of freestyle record world champion Gollito Estredo. Boasting incredible handling characteristics, the sail was created by designer Kai Hopf, implementing all the desires of the rider himself. The result is the most highly developed and extreme freestyle sails that we have ever manufactured in series. All sizes are sensationally lightweight because the innovative and high-tech laminate ODL and the 100-micron ULTRA FILM were used instead of the usual XPLY material. These materials are 50% lighter than previous sailcloths, which makes the IDOL LTD weigh about as much as a 1.5 m² smaller SUPER HERO (e.g. 4.8 and 3.4).

The IDOL LTD can do everything a freestyler needs it to. In addition to its absolutely neutral handling, it gives no unwanted feedback and is incredibly lightweight in your hands, leaving you free to concentrate fully on your moves and manoeuvres. You'd think you were turning without your sail, since the IDOL LTD rotates incredibly fast through all tricks and is completely balanced in the wind during duck moves. The extremely high clew and the short boom length make diving manoeuvres so fast that almost no speed is lost. Not only will the IDOL LTD boost your success rate for difficult manoeuvres, it will also make it a lot more fun to meet new challenges. For 2020, new, virtually unbreakable battens will be used, which can easily handle even the roughest wipe outs.

Simply awesome: When used for foiling the IDOL LTD features a special clew eyelet to be able to position the sail even more upright!

IMPORTANT! Although this is something other manufacturers are reluctant to mention, achieving the lowest weight can only be achieved by reducing the thickness of materials. Because the thickness of the ODL yacht laminate was kept to a minimum, the material's UV stability is limited. As a result, this sail is not subject to the DUOTONE 2+3 YEAR WARRANTY.



KEY FEATURES

- ✦ CONVEX DACRON LUFF-PANEL: The somewhat narrower top and the lower position of the batten above the boom gives the new IDOL LTD even more lift and control when I'm doing all of my manoeuvres.
- ✦ HOLLOW LOWER LEECH with additional MINI BATTEN: This stabilises the profile above the boom and prevents leech flutter
- ✦ The additional RADIAL LOAD STRIPES in the clew improve profile stability and extend the wind range
- ✦ With the use of the finest high-tech materials (ODL laminates, 100-micron ULTRA FILM) this is our most lightweight freestyle sail ever
- ✦ An extra-high clew and short boom enable the quickest diving manoeuvres without loss of speed
- ✦ HD Epoxy-battens for maximum durability
- ✦ iROCKET 2.0, the most lightweight DUOTONE batten tensioner of all time



C 0 2 NEW ORLEANS . BLUE
SNOW . WHITE

SIZES 3.6 4.0 4.4 4.8 5.2



Gollito Estredo
SIO

CHOICE OF 9 TIMES
WORLDCHAMPION
GOLLITO ESTREDO

SUPER

POWERWAVE

SESSION /

BUMP & JUMP

HD

“BECAUSE THE SUPER SESSION IS THE FIRST TRUE FREEWAVE SAIL, WE HAVE GIVEN IT A CRISPER AND MORE IMMEDIATE RIDING FEEL THAN THE SUPER HERO.”

PRODUCT MANAGER RAOUL JOA

Freewave boards are amongst the best selling on the market. The SUPER SESSION has been developed specifically for this category. It combines easy handling with a surprisingly immediate riding feel, giving the rider absolute control and confidence in all situations. With the SUPER SESSION, even the more brutal wind and wave conditions can be handled with confidence.

Freewave and Bump&Jump have everything that makes windsurfing so fascinating. This explains why this class is so popular. SUPER SESSION is the perfect sail for this, covering the wide range between flat water to waves. A power wave design with planing potential, speed and outstanding control. Rapid strokes, smooth jumps and full-throttle turns flow seamlessly into one another, whetting the rider's appetite for endless SUPER SESSIONs.

Acceleration, draft position stability and handling are what sets the balanced, five-batten design from the competition. Because the draft position is further forward, the riding feel is more responsive and the profile remains stable even when the wind picks up. For even more control, the sizes 5.6 and up now feature more pronounced loose leech increasing the control in overpowered conditions. This is supported by the HOLLOW LOWER LEECH, preventing leech flutter and guaranteeing confident rig control. All this makes the SUPER SESSION a versatile, competitive Bump&Jump craft, especially under high winds and choppy conditions.

All SUPER SESSIONs are also available in the monofilm-free HD design. However, the extremely hard wearing mix of materials has its price, which we will of course make clear.



COLOUR

COMBINATIONS



HD PEARL.WHITE
THUNDER.GREY

KEY FEATURES

- ✦ The draft position, which is positioned higher and further forward, ensures a crisp, immediate and yet extremely light riding feel
- ✦ XPLY PLUS (100/150 microns): The laminate with the lowest stretch and the best UV and puncture resistance on the market
- ✦ TRI PLY Fusspanel (150 microns): The added third thread line boosts the fabric's ripstop properties by 30 %
- ✦ HOLLOW LOWER LEECH: This stabilises the profile above the boom and prevents leech flutter
- ✦ Low weight thanks to the WEIGHT OPTIMIZED PANEL LAYOUT
- ✦ MINIMUM MAST CONCEPT: Two masts are suitable for all sail sizes
- ✦ Top performance with RDM masts, yet compatible with our SDM masts as well
- ✦ Virtually unbreakable epoxy battens
- ✦ Also available in a monofilm-free HD version



C 2 4 NEW.ORLEANS.BLUE
NOIR.BLACK

SIZES 4.0 4.2 4.5 4.7 5.0 5.3 5.6 5.9 6.3 6.7

5 YEAR WARRANTY

SUPER

WAVE

HERO / HD

ALL IN ONE

“THE SUPER HERO HAS SIMPLY EVERYTHING: LOW WEIGHT, QUICK RESPONSIVENESS LIKE A THREE-BATTEN DESIGN AND THE STABILITY OF A 5-BATTEN ONE.”

VICTOR FERNÁNDEZ

SUPER HERO is THE ultimate wave sail which always performs optimally in all wave conditions around the globe. The perfectly balanced sail is the personal favourite of PWA Wave double world champion Victor Fernandez and is a real World Cup asset that is designed specifically for wave usage. Thanks to the absolutely neutral and perfectly balanced handling, its calm handling characteristics are unrivalled and it remains stable and highly controlled in every situation. The SUPER HERO feels like a three-batten design combined with the stability of a five-batten one. The specially developed profile blows out very efficiently and produces high propulsion even when underpowered, which is why it's suitable for almost all riders, regardless of weight.

The SUPER HERO's consistent evolution makes it an even better World Cup sail with an extremely wide range of use in the wave. It continues to give a top-end performance even under the brutal conditions of locations such as the Canary Islands or South Africa, remaining under perfect control with high winds and during extremely overpowered jumps. And yet it also boasts powerful acceleration capabilities at the lower wind limit, alongside an excellent on/off response, which would come in handy when participating in down-the-line surfing on Maui or Mauritius.

To achieve this extraordinary overall package, designer Kai Hopf is tasked with combining numerous individual designs into a single concept. This includes the BATTEN-FREE CENTRE, additional MINI BATTENS, the HOLLOW LOWER LEECH and RADIAL LOAD STRIPES running from the clew. Only then can this four-batten wave sail offer a wind range whose breadth is without rival. An optimised panel layout provides increased stability and control for all sizes 5.0 and up.

In terms of handling, the superiority of the SUPER HERO is beyond doubt thanks to its low weight. The batten rotation is beautifully soft, even with minimal outhaul tension. The top has a highly active role to play as well, thus supporting the forward pull. For this reason you can confidently choose a smaller sail size than with many other wave sails. Note: The SUPER HERO has been designed as a true wave sail and is only partially suitable as a flat-water, high-wind sail, for which we recommend the SUPER SESSION instead.

SUPER HERO HD

Although generally sharing the same structure, the SUPER HERO HD dispenses with monofilm even in the window panel.



COLOUR

COMBINATIONS



C 2 2 **CI.TURQUOISE**
THUNDER.GREY



HD **PEARL.WHITE**
THUNDER.GREY

KEY FEATURES

- ✦ XPLY PLUS (100/150 microns): The laminate with the lowest stretch and the best UV and puncture resistance on the market
- ✦ TRI PLY foot panel (150 microns): The added third thread line boosts the fabric's ripstop properties by 30 %
- ✦ MADE TO SURVIVE: The SUPER HERO has the smallest monofilm window of all four-batten sails on the market
- ✦ HOLLOW LOWER LEECH with additional MINI BATTEN: This stabilises the profile above the boom and prevents leech flutter
- ✦ The additional RADIAL LOAD STRIPES in the clew improve profile stability and extend the wind range
- ✦ BATTEN-FREE CENTER: As responsive as a three-batten model in drift & go conditions and yet astonishingly stable in overpowered conditions
- ✦ iBUMPER 2.0: Even more lightweight and effective, with an integrated trim indicator
- ✦ Virtually unbreakable epoxy battens
- ✦ Also available in a monofilm-free HD version



C 0 2 **CHERRY.BERRY**
THUNDER.GREY

Victor F-42.2

CHOICE OF
TRIPLE WORLD CHAMPION
VICTOR FERNÁNDEZ

SIZES 3.0 3.4 3.7 4.0 4.2 4.5 4.7 5.0 5.3 5.7

5 2+3
YEAR
WARRANTY

SUPER ULTRALIGHT HERO WAVE M.PLUS

“THE SUPER HERO M.PLUS IS THE LIGHTEST WAVE SAIL I HAVE EVER SAILED. IN CONTRARY TO OTHER MEMBRANE SAILS IT’S NOT JUST THE PHYSICAL WEIGHT ON THE BEACH. FOR EXAMPLE, THE 4.7 FEELS LIKE THE REGULAR SUPER HERO 3.7 IN YOUR HANDS ON THE WATER.”

VICTOR FERNANDEZ

For the fetishists among the specialists, the SUPER HERO by Viktor Fernandez is now available as a limited edition M.PLUS in ultralight high-tech membrane construction. The membrane body is manufactured by a highly specialized yacht-sail producer on computer-controlled manufacturing plants. The aim was to achieve maximum weight savings in addition to improved durability compared to membrane sails available to date. Using the experience from yachting we use a 20 % thicker special monofilm and a higher adhesive content. On the first film layer Dyneema fibers are laid out by a plotter following exactly the force directions. The exact course was defined in advance by computer simulation by the designer and the manufacture. Subsequently, the upper layer is applied and compacted in a vacuum process before the adhesive is activated under heat. Two of the four batten pockets are directly laminated into the body during this process. The mast pocket incl. protector, the remaining two batten pockets and the fittings are complemented in the traditional procedure.

The result is a 20 % (= 600 g) lighter high-end SUPER HERO, whose lower weight is clearly noticeable, especially during maneuvers. Never before has a wave sail been so light and loose in the hand and so neutral during wave sailing, especially since the membrane gives the sail a pleasant-elastic feeling and thus especially in the underpowered wind range improves the performance. Apart from that the range of use and basic character do not differ from the regular SUPER HERO. Viktor Fernandez uses only the M.PLUS edition for the world cup, because the weight advantages are simply unbeatable.

Ultimate technology and the most elaborate manufacturing processes mean that the SUPER HERO M.PLUS is only available in very limited quantities at a price well above the regular version.

Important note: The SUPER HERO M.PLUS is a high-tech professional sail, which is designed for minimum weight despite optimized membrane film. This inevitably comes at the expense of durability, which is why the M.PLUS edition is excluded from the 5-year warranty.



KEY FEATURES

- ✦ MEMBRANE PLUS: Membrane laminate with 20 % thicker special film and increased adhesive content results in a significantly increased durability with just 100 – 150 g extra weight
- ✦ HOLLOW LOWER LEECH with additional MINI BATTEN: Stabilizes the profile above the boom and prevents flapping
- ✦ BATTEN FREE CENTER: As reactive as a 3-batten sail in drift & go conditions and still super stable in overpower
- ✦ SUPER-LIGHT BUMPER: The lightest protector on the market, with integrated trim indicator
- ✦ TACK FITTING: The elimination of the tack rollers saves another 80 g
- ✦ Unbreakable epoxy battens



C 2 6 THUNDER.GREY
ROBBY.PINK

Viktor F
F-42.2

CHOICE OF
TRIPLE WORLD CHAMPION
VICTOR FERNÁNDEZ

SIZES 4.2 4.5 4.7 5.0 5.3 5.7

WARP.

FOIL RACING

FOIL



“THE WARP_FOIL IS AN UNCOMPROMISING REGATTA FOIL SAIL FOR COMPETITORS YEARNING FOR VICTORY. AN EXTREME PRO-SAIL TO DELIVER 100 % PERFORMANCE ON FOIL RACE COURSES.”

WILLIAM HUPPERT



development stage was the moderate high aspect geometry with a shorter boom and a not too extreme mast length to deliver optimum performance even in gusty, choppy conditions. Foiling and choppy conditions? That's right, because the chop generates vibrations on the foil mast which are transferred to the rig and thus influence the performance of the sail. And that is exactly what we compensate with the new sail geometry. A total of 4 cambers and 7 battens provide a super stable profile and draft combined with sensational acceleration and maximum performance on deep downwind courses as well as tight upwind legs. However the WARP_FOIL requires an experienced sailor rewarding its rider with an incredibly powerful engine and a very good chance to get onto the podium.

SAIL SIZE VS. WIND RANGE:

9.8: 6 – 15 knots

8.8: 13 – 22 knots

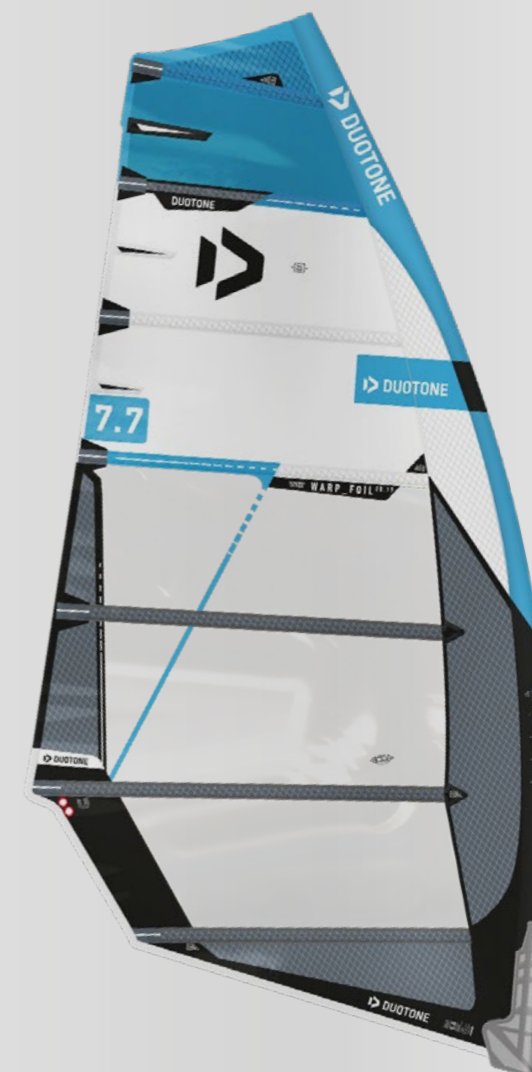
7.8: > 20 knots

Over a period of 10 months Kai and the entire DUOTONE Race Team have developed the WARP_FOIL in our design centres on Maui and Tenerife. We deliberately took our time until the very last day cause foiling is still pretty young and each and every day you find ways for optimisation. This evolution is reflected by the current WARP_FOIL. Apart from the number of battens and cambers, everything is different from the regular WARP and 100 % matched towards PWA Foil Racing.

The name WARP always stands for maximum performance! Designer Kai Hopf and the entire DUOTONE Race Team have taken up the challenge and have developed a no-compromise foil racing sail from scratch. Countless prototypes have been build to identify and optimise all design features necessary to maximise performance. The outcome is a completely new sail design, which has nothing to do with the windsurfing slalom counterpart except for the materials and components used: a modified shaping with more volume, a higher and forward shifted draft, a slightly enlarged foot area and a tighter leech – absolutely every detail is matched to the lower water resistance and the more upright stance while foiling. At the center of the latest

KEY FEATURES

- ✦ Moderate high aspect geometry
- ✦ The larger foot surface is adapted to the the more upright rig position in order to guarantee ideal aerodynamics and performance
- ✦ Reduced loose leech adapted for the reduced water resistance of the foil
- ✦ Higher and forward oriented draft position in order to guarantee maximum power during foil races with deep down- and upwind courses
- ✦ Reduced weight thanks to the MINI PROTECTOR and the super-lightweight iROCKET 2.0 batten tensioner
- ✦ Torque wrench factory calibrated individual batten tensions
- ✦ MODERATE CUTAWAY CLEW: Reduced blow-out effect for more power and more direct forward pull
- ✦ HYPER CAM: Confirmed time and time again by all magazines – the best rotating camber on the market



C 2 4 **NEW ORLEANS . BLUE**
NOIR . BLACK

SIZES	7.8	8.8	9.8

F _ > FOIL RIDING TYPE

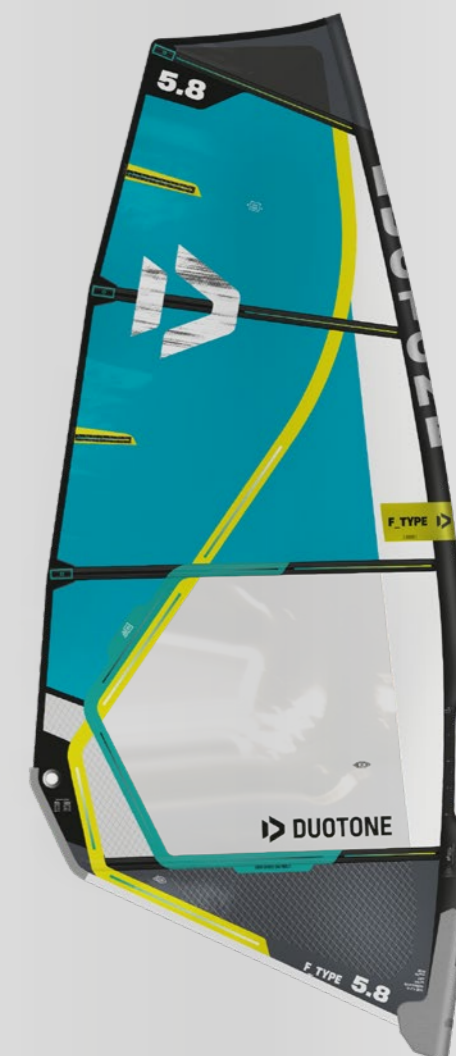
“THE F_TYPE SAIL MAKES IT SO MUCH EASIER TO LEARN TO FOIL SURF. I ONLY WISH I HAD HAD SOMETHING LIKE THIS MYSELF BACK IN THE DAY. ON TOP IT'S THE IDEAL COMPANION FOR SUP-FOILING, THE LATEST TREND ON MAUI WHEN WE JUST TRY TO GET ONTO THE WAVE AS QUICKLY AS POSSIBLE WITH THE SUP.”

SKY SOLBACH

The latest trend is called foiling, and it has given us plenty more days on the water windsurfing! Never before has it been possible to set into motion or ride the waves this quickly with so little wind. To get you started as quickly and as easily as possible, and to make sure the fun never ends while on the water, DUOTONE has introduced the new F_TYPE – the ideal sail for silently hovering over the water.

Foil surfing is absolutely amazing because you feel almost weightless and literally floating above everything – and all this at winds at which you would never previously have even thought about surfing. To enjoy foil surfing the easy and smart way, DUOTONE has developed a highly specialised sail in the form of the four-batten F_TYPE. Its features are designed exactly for this new activity and will be a boon both for intermediate riders and for relaxed wave riders. This includes the lower profile with reduced loose leech, since very small sail sizes are used based on the wind strengths. Thanks to its high elasticity, the Dacron luff ensures easier pumping and an altogether more gentle feel. Because the rig is held more upright when foil surfing, your foot has significantly more reach in order to ensure closing the gap even in this position.

Low wind pressure necessitates the use of two SOFT.CAMS, which can effortlessly reverse when shifting despite weak rotational forces. And if you want it to be even easier, you can even remove both cambers and use the F_TYPE as the ultimate no-cam foilboard.



KEY FEATURES

- ✦ The reduced luff curve, four-batten configuration and the Dacron luff combine to create a soft and super-lightweight sail which is ideal for beginners and foil surfing
- ✦ The larger foot surface is adapted to the straighter-standing rig position in order to guarantee ideal aerodynamics and performance
- ✦ SWITCH SOFT CAM: Based on the lower wind pressure, we use our unique SOFT CAMBER, which can even be removed where necessary (removed = optimised handling | fitted = maximum range of use)
- ✦ Reduced loose leech, adjusted to the lower wind pressure
- ✦ VTS 2.0: The optional trim indicator allows you to trim with optimum precision without ever having to check the loose leech at the top (patent pending)
- ✦ TRI PLY foot panel (150 microns): The added third thread line boosts the fabric's ripstop properties by 30 %

SIZES

5.8

6.8

5 2+3
YEAR
WARRANTY

C 2 4 **NEW . ORLEANS . BLUE**
NOIR . BLACK



N O W

S M A L L E R F R A M E R I D E R S

“KAI AND I WANTED A SAIL THAT WAS VERY SIMILAR TO MY SUPER HERO BUT OPTIMISED IN EVERY RESPECT FOR SMALLER RIDERS. THE FEEDBACK HAS BEEN INCREDIBLE. ALL THE LADIES THAT HAVE EVER TRIED THIS OUT DON’T WANT TO RIDE ANYTHING ELSE. THE SAME GOES FOR THE YOUNGER GENERATION OF RIDERS AS WELL.”

VICTOR FERNANDEZ



Have you caught windsurfing fever and can't wait to get back on your board? Are traditional rigs too heavy, big and unwieldy for you? Then DUOTONE has developed separate sails especially for you. These make it very easy for beginners and intermediate riders to get started, and can be used as full-featured equipment even after the learning stage.

The NOW is also a highly modern sail that is tailored specifically to the stature and strength of smaller riders, without compromising on all of our sails' usual quality and performance characteristics. Because as we like to put it, every rider deserves the very best!

A familiar concept – unique execution. Children, youngsters and smaller riders up to 160 cm in height often struggle with regular sails because of their stature, strength and limited lever forces, putting them at risk of injury or health problems as well. At the same time they are often more talented surfers than others, so they are right to demand a full-featured and easy-to-control rig. For these individuals we have specifically developed the NOW – a highly lightweight, powerful and high-quality performance handling sail developed based on the current SUPER HERO model yet adapted so it can be used by smaller riders with ease. While most sailing brands use the same layouts and materials for junior sails as in their adult-sized sails for reasons of simplicity (e.g. the heavy X.PLY), we do things differently. Thanks to the years of collaboration with all the big windsurfing schools (e.g. VDWS, ION Club, FBC), we have taken advantage of their wealth of knowledge to design the NOW. The magnificently balanced shape, lightweight monofilm and sophisticated mix of materials in the iMODULAR DESIGN guarantee low weight AND durability.

KEY FEATURES

- ✦ Based directly on the SUPER HERO, and tailored to riders 160 cm in height or smaller
- ✦ The reduced luff curve, three-batten configuration and the CONVEX DACRON LUFFPANEL combine to create a highly elastic sail that is ideal for lighter riders
- ✦ The three-batten configuration, LIGHT PROTECTOR, eyelet instead of a tack roller, and the WEIGHT OPTIMIZED PANEL LAYOUT, all result in a significantly lower weight
- ✦ VTS 2.0: The optional trim indicator allows you to trim with optimum precision without ever having to check the loose leech at the top (patent pending)
- ✦ XPLY PLUS (100/150 microns): The laminate with the lowest stretch and the best UV and puncture resistance on the market
- ✦ TRI PLY Fusspanel (150 microns): The added third thread line boosts the fabric's ripstop properties by 30%
- ✦ HOLLOW LOWER LEECH: This stabilises the profile above the boom and prevents leech flutter
- ✦ Virtually unbreakable epoxy battens



C 2 4 **NEW . ORLEANS . BLUE**
NOIR . BLACK

SIZES 2.4 2.8 3.2 3.6 4.0 4.4

5 2-3
YEAR
WARRANTY



DRIVE SCHOOLING CLOTH

The current DRIVE CLOTH features an ultra-modern 2.5-batten design (3.0 m² and above) that offers excellent performance for a wide range of individuals. We worked closely with the most well-known surfing schools and associations, whose knowledge and experience were significant influences on the concept.

The DRIVE CLOTH is an easy planing sail that will accompany any beginner or dedicated improver for a very long time. It's super easy to get out of the water and very easy to control on all courses as well as during manoeuvres. In sub planing conditions it really gives the rider something to hold on to, offering stability that will come in handy on choppy waters. Once planing, the sail stays very well balanced. The wind pressure can be gradually transformed into speed, so that the rider is always in full control.

With the use of Dacron and vinyl, the DRIVE CLOTH is virtually indestructible, making it ideal for use in windsurfing schools. Thanks to the elastic nature of the Dacron material and its unique shape, the DRIVE CLOTH loads up very gently and develops a full profile. As a result, it generates powerful propulsion and has excellent planing characteristics. Moreover, the draft position remains stable even when far into the planing range.

KEY FEATURES

- ✦ DACRON VINYL CONSTRUCTION: Virtually indestructible and ideal for use at surfing schools
- ✦ DACRON VINYL CONSTRUCTION: Ideal for learners because the flexibility of the material gives riders "something to hold on to"
- ✦ DACRON VINYL CONSTRUCTION: Ideal for learners because the flexibility of the material ensures gentle and comfortable acceleration
- ✦ PROGRESSIVE BATTEN CONSTRUCTION: The number of battens depends on the sail size and is therefore matched perfectly to the specific range of use



SPECIALS

COLOUR

COMBINATIONS



C 0 2 NEW . ORLEANS . BLUE
SNOW . WHITE



SIZES 1.0 - 2.5



C 0 1 FERRARI . RED
SNOW . WHITE

SIZES 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.7 6.4



HARD

WARE

SUPERLIGHT

& ULTRA

DURABLE



INTEGRATED RIG TECHNOLOGY – THE PERFECT RIG

✦ DUOTONE offers much more than just sails. And because only a perfectly designed rig unit can provide maximum performance, all hardware components are of equal importance. We are one of the very few manufacturers to develop all components ourselves, allowing decades of experience and expertise to flow into each and every one of our products. All rig components are designed for functionality and performance, promoting real innovations and practical solutions. In addition, all parts are optimally matched with one another and make use of the best available technologies. All for the perfect rig – for TRUE WINDSURFING.

100% MATCHED

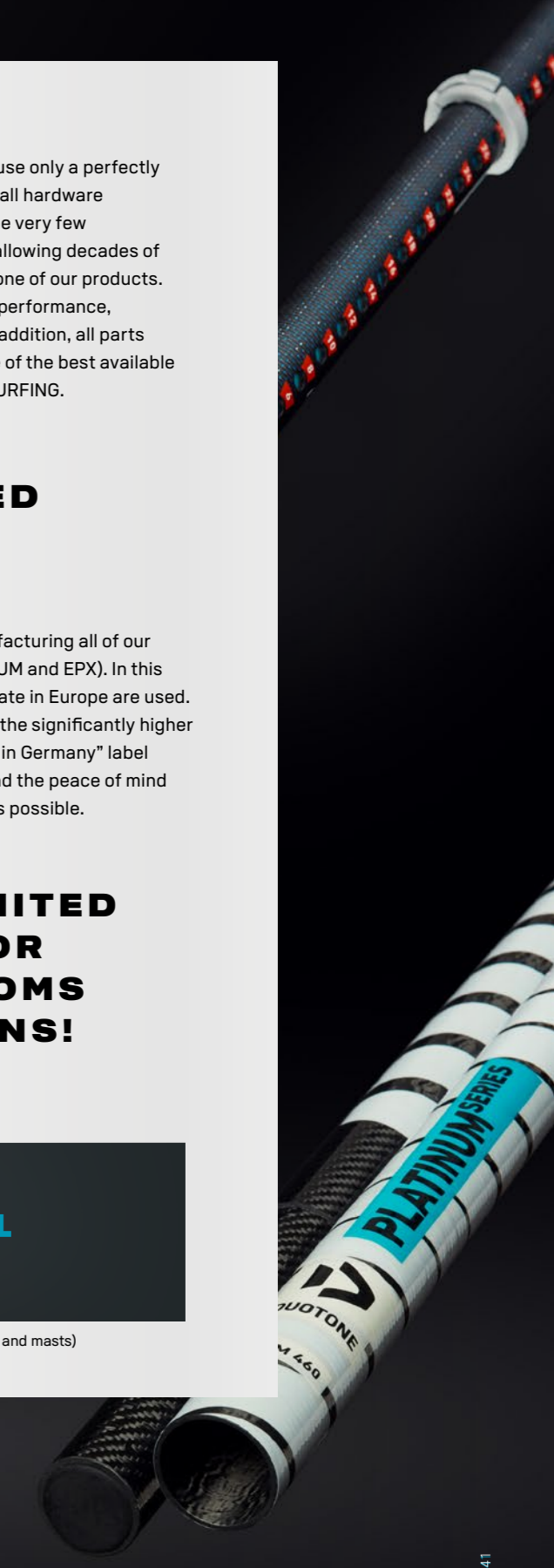
ENGINEERED AND MADE IN GERMANY

✦ We are the only rig brand worldwide to continue manufacturing all of our booms and extensions in Germany (except for PLATINUM and EPX). In this manufacturing process, only raw materials that originate in Europe are used. In contrast to the “made in China” label, this indicates the significantly higher financial costs of production. But in return, the “made in Germany” label guarantees you an unparalleled standard of quality and the peace of mind that the environmental impact has been kept as low as possible.

TWO-YEAR UNLIMITED WARRANTY FOR ALL MASTS, BOOMS AND EXTENSIONS!

2 YEAR
UNCONDITIONAL
WARRANTY

(except for EPX products, BLACK Booms and PLATINUM AERO Booms and masts)



MASTS

SENTEX™ UP TO 30% LIGHTER & MORE RESISTANT

DUOTONE SENTEX masts are extremely light, incredibly balanced and are far superior to other masts in terms of handling and reflexes. Thanks to the revolutionary SENTEX material structure, they are also phenomenally durable and resistant to stress, which is why SENTEX is also used for the PLATINUM boom.

WHAT'S THE SECRET?

SENTEX is a highly developed composite material used exclusively by DUOTONE. It contains the highest-quality Toray resins which, in combination with the carbon fibres, achieves unique durability while keeping weight to a minimum. SENTEX masts and booms are light as a feather in your hands and are far less liable to being broken. In addition, the masts have an outstanding level of reflex and the booms are extremely stiff.

THE MATERIAL

SENTEX is made from the highest-quality carbon fibres and resin impregnated with silicon nanospheres. This technology produces a unique material structure which is more stable and noticeably lighter than regular carbon. The key reasons for this are the two advantages of silicon nanospheres:

1. The even distribution of nanospheres in the resin creates an extremely balanced rigidity across the entire mast length and ensures incredibly immediate and balanced reflexes.
2. Silicon nanospheres deal with compression force better than any other material known. This makes our SENTEX masts and booms at least 30% more resilient and durable than standard carbon products.

Because SENTEX is far more stable, not as much material is normally needed, which is why the products are lighter than similar models. More specifically, this means a weight saving of up to 20%, which is exactly why all DUOTONE PLATINUM booms and RDM masts are the most lightweight in their class worldwide.

SILICON NANOSPHERES

Diameter: 100 nm
Thousands of nanospheres surround each individual carbon fibre and are distributed very evenly in the resin.

CARBON FIBRES

Diameter: 7 micron
Hundreds of fibres run along the mast and result in extraordinary flexibility and durability.

SENTEX™ HARZ

Optimised, enriched resin which strengthens the carbon fibres, allowing the mast to be subject to stress and bending stronger than ever before.

CARBON FIBRE QUALITIES

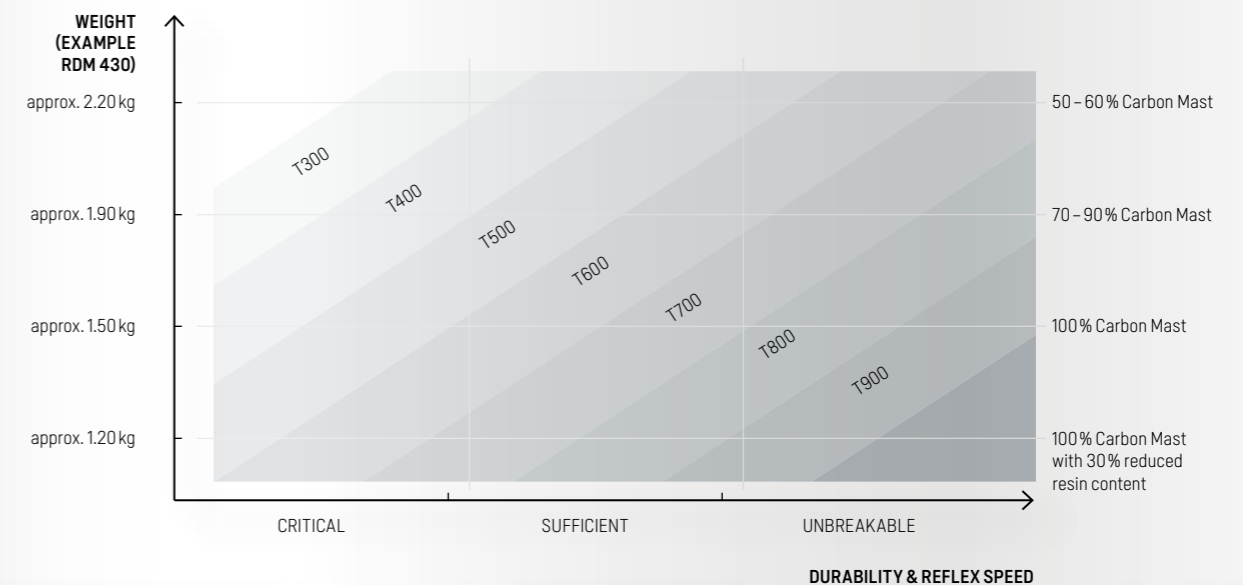
The key quality factor for carbon is the bending-elongation of the fibres. This factor measures the pulling force applied when bending until the carbon fibre eventually ruptures. Carbon fibres are available with elongation values of T300 up to a maximum of T1000, the best carbon, which is ten times more expensive than T300 carbon. The simplest carbon qualities for windsurfing masts are between T300 and T400, whose bending-elongation is only slightly higher than regular fibreglass. For this reason, they are only used for cheap masts with a low carbon content.

FOR WIND-SURFING MASTS, THIS MEANS THE FOLLOWING:

The higher the bending-elongation of the carbon raw material:

- ✦ the higher the reflex or reflex speed (which dramatically improves sailing performance, just like a sport chassis in a car)
- ✦ the lower the risk of breakage

70% of all manufacturers now use T400–500 for their most expensive carbon masts. However, DUOTONE already uses T700 carbon for SILVER masts, all GOLD and PLATINUM masts use T800, while the PLATINUM AERO 2.0 uses the finest T900 carbon. High-quality carbon also has the advantage of reducing the resin content. For example, in the T900 used in the PLATINUM AERO 2.0, the amount of resin used is reduced by 30%, making all masts lighter accordingly without compromising on durability.



PLATINUM AERO 3.0 RDM

14900-1610



Whether on flat water or moderate waves, the AERO 3.0 makes every rig light as a feather: ultra-lightweight, ultra-dynamic, ultra-playful. With this mast, handling, reflex, speed of reaction and performance reach an unprecedented level, embodying everything that is currently technologically conceivable. The current model boasts an optimised bend curve and improved reflex dynamics without increasing the weight of the sail. At 370 cm, the PLATINUM AERO 3.0 weighs LESS than a kilogram,

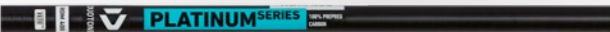
100% CARBON / T900

RDM	—	370	400	430	—	—
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with improved flex values and a more resistant construction. The secret is the mast's modified geometry, with a slightly increased diameter, the highest-quality construction and the revolutionary, extremely lightweight D4 SHIELD. These combine to make the PLATINUM AERO 3.0 the most exclusive high-end freestyle mast in the world.

PLATINUM RDM / SDM

14900-1609



The PLATINUM series was developed for World Cup pros and anyone else who expects the very best. The series has been continuously fine-tuned ever since. The highly customised, extremely dynamic PLATINUM RDM, which is produced to AERO 1.0 design specifications, has over 30 % less weight but has lost nothing in terms of durability compared to previous models. Even under the harshest conditions, wave world champion Victor Fernandez uses only these masts.



100% CARBON / T800

RDM	340	370	—	400	430	—	—	—
SDM	—	—	380	400	430	460	490	520

All SDM variants, particularly the higher-length models, are designed for competitive races and are also protected against scratches by the abrasion-resistant POLY.SHIELD surface. Both RDMs and SDMs are manufactured using AEROSPACE PREPREG TECHNOLOGY – the most precise and high-quality process known. For this reason, we are the first manufacturer to offer an unlimited two-year warranty* for 100 % carbon masts.

GOLD.90 RDM / SDM

14900-1601



More carbon, better performance, higher load reserves! Made from 90 % high-tech T700 carbon, the GOLD.90 is manufactured to the state-of-the-art prepreg design and, apart from the slightly lower carbon content, is technologically identical to the PLATINUM. The excellent dynamics and balanced bend curve make the GOLD.90

SILVER.70 RDM / SDM

14900-1600



70 % carbon content for a highly balanced price/performance ratio. All SILVER.70 masts boast a strikingly impressive overall performance and low weight, which is only achieved through the use of the highest-quality carbon and processing using the sophisticated AEROSPACE PREPREG TECHNOLOGY. All RDM versions are technologically the finest needle masts with the dynamic advantages afforded by its slim shape (RDM adapter not included).

BLACK.50 RDM / SDM

14900-1612



The latest beginner class in the world of DUOTONE masts. BLACK.50 is the dynamic and competitive all-rounder with 50 % carbon content and a universal and balanced bend curve. Not only does it work when combined with our sails,



90% CARBON / T700

RDM	—	370	400	430	—	—
SDM	—	—	—	430	460	490

the most lightweight and highest performing mast in its class. As the more affordable version of the PLATINUM, it is a high-end mast for all ranges of use which is very light and yet astonishingly durable. And on that you have our word – backed up by an unlimited two-year warranty.*



70% CARBON / T700

RDM	—	370	400	430	—	—
SDM	—	—	—	430	460	490

The white POLY.SHIELD coating of the base prevents any scratches or potential wear, in addition to thermal overload. And additional windings near the boom prevent any kind of slippage. Provided you registered straight after purchase, we offer a two-year unlimited warranty, otherwise only statutory claims will be possible.



50% CARBON / T600

RDM	—	370	400	430	—	—
SDM	—	—	—	430	460	490

it is also compatible with many other sail brands and models. The above-average durability and its competitive price make it an attractive product for an especially broad range of individuals.

BOOMS



**BLACK & SILVER:
THE TWO LIGHTEST
ALUMINIUM BOOMS
ON THE MARKET**



**THE LIGHTEST FRONT END
IN THE WORLD**



**THE LIGHTEST
CARBON BOOMS ON
THE MARKET**

**2 YEAR
UNCONDITIONAL
WARRANTY**

**TWO-YEAR UNLIMITED
WARRANTY FOR ALL
BOOMS!**
(EXCLUDING AERO 3.0 AND BLACK)*

iFRONT 2.0

THE UNIQUE DESIGN OF THE iFRONT 2.0 COMBINES THE ADVANTAGES OF PREVIOUS CONCEPTS IN A SINGLE FRONT END:

VERTICAL STIFFNESS

- ✦ We install 30% longer, extra-long steel axle bolts which for the first time are directly connected to the sides. This achieves the highest possible vertical stiffness due to a very direct connection and force transfer from boom to mast (ensuring maximum performance).



HORIZONTAL FLEXIBILITY

- ✦ The partially cut-out centre of the collar gives the iFRONT 2.0 a kind of joint function so that the collar rests flush on the surface of all mast diameters (protecting the mast and making it extremely slip resistant).



RDM FRICTION PAD

PERFECT FIT GUARANTEED FOR THE SDM AND RDM MASTS

We know of no other front end that fits so spaciously and thus provides protection for the mast that is as effective as possible. This extraordinary fit is guaranteed for both SDM and RDM masts, to which the iFRONT 2.0 can be adjusted with incredible ease by simply changing two rubber pads of different thicknesses.



SDM FRICTION PAD

BOOMS



PROTECTION GRIP-INSERT
(PLATINUM, SILVER)

**HIGHLY
ABRASION-RESISTANT
BOOM FINISH**

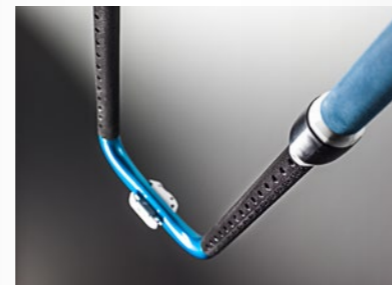
The special PROTECTION GRIP insert on the outside of the tubes effectively prevents damage when rigging up and avoids scuffs of the grip coatings.



OUTSIDE TAIL

**20% HIGHER BOOM
STIFFNESS**

All PLATINUM race masts have custom OUTSIDE TAIL tail ends which slide over the grip tubes from behind. Its large diameter ensures 20% more boom stiffness.



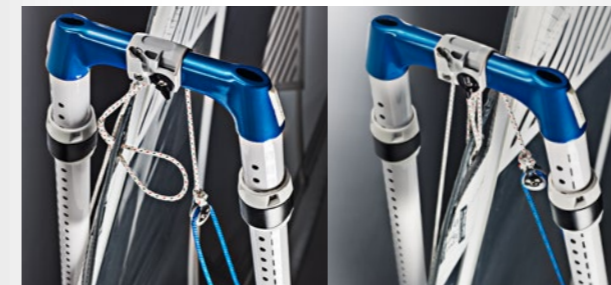
INSIDE GRIPPED TAIL

MAXIMUM GRIP COMFORT

To ensure maximum grip, the extension tubes are coated entirely with Pro-Grip. For the best possible grip comfort, the tail end has a reduced diameter and is therefore still inserted.



FEATURES



iTAIL RACE FITTING

**RIGGING UP WITHOUT THE NEED FOR
THREADING - EVEN WITH OUTHAUL SYSTEMS**

The iTAIL RACE fitting is an absolute highlight because its Teflon POM rollers have attractively low friction characteristics. This completely unique solution also allows the ropes to be looped, even when an outhaul trim system is used, instead of having to waste time threading and knotting again every single time.



iTAIL WAVE FITTING

**FOR THE FIRST TIME, FRICTIONLESS ROPE
ALIGNMENT WITH EXCESS ROPE STORAGE**

The iTAIL.WAVE fitting boasts two revolutionary features:

- + A. The patented Loop-Loop-Go 2.0 function for perfect, 100% frictionless rope alignment
- + B. Instead of tying the excess rope around the tube, it is simply wound round the integrated bridge at the bottom



**EXTERNAL FITTINGS FOR IMPROVED
PERFORMANCE AND COMFORT**

For carbon booms in particular, other manufacturers often integrate the fittings into the tail end in order to make the appearance as "clean" as possible. However, our external fittings have three key advantages:

- + 1. They reduce overall weight
- + 2. They have unique features and functions (see above)
- + 3. In worst-case scenarios, they can be easily replaced



PLATINUM AERO 2.0

14900-1405
14900-1410 (TAILEND)

Admit it – you know you want it. PLATINUM AERO 2.0 is the lightest boom in the world (140 – 190: 1,95 kg, 190 – 250: 2,70 kg!) and the ultimate choice in terms of technology, weight and quality manufacturing. However, because of the incredibly sophisticated manufacturing process, there is only an extremely limited number available (on a first-come, first-served basis). Thanks to the highest-quality mix of materials and unique production methods, it is an astonishing 300 g lighter than its otherwise very lightweight PLATINUM counterpart. Despite its slimmed-down design, the PLATINUM AERO 2.0 features sensational stiffness, ultra-direct feel and range-specific features and bend curves, which make it a must-have for high-performance riders. Even though the AERO 2.0 is only available in two different lengths (140 – 190, 190 – 250), they all possess the performance and equipment features of the normal PLATINUM (see below). However, a warning is in order: high-end technology has its price, so don't be surprised.



100% PREPREG-CARBON / T900

	NEW SCHOOL	SLALOM
SIZES	140 – 190	190 – 250



PLATINUM

14900-1404
14900-1409 (TAILEND)

The super-lightweight carbon PLATINUM in AEROSPACE PREPREG TECHNOLOGY is designed for experienced and performance-oriented riders with its ultra-stiff monocoque design. Word has long since got around that even PWA team riders of other rig brands buy the PLATINUM!

IN ORDER TO MEET THE TOUGHEST CHALLENGES, THREE FULLY CUSTOMISED CONCEPTS ARE AT THE START:

- + Wave >< Freestyle (140 / 150)
- + Wave >< Freeride (160)
- + Slalom >< Formula (170 / 190 / 240)

WAVE SERIES

The bending line of the short lengths with a smaller opening angle at the front and wider tail end combine to form the EVEN CURVE, which ensures a more even pull on the mast and backhand. This improves handling when riding the waves and lessens fatigue when performing freestyle moves. The iTAIL WAVE FITTING with patented Loop-Loop-Go fitting (perfectly frictionless rope alignment) and complete nonslip grip coating is installed to match the range of use. For maximum grip comfort, the tail end is still inserted. By popular request, the PLATINUM is now also available in a MEGA.SLIM version as the thinnest carbon boom worldwide with only 24.5 mm tube diameter (140 – 180 cm)!

HYBRID SERIES

The wave/freeride version with HYBRID.CURVE was developed specifically for sail sizes 4.5 to 7.8, which can unfold optimally – in the truest sense of the word. For the very best grip comfort and secure hold when performing duck gybes, the tail end is half coated with Pro-Grip (INSIDE GRIPPED TAIL). The low weight, iFRONT 2.0 front end and the stiffness of the monocoque design make it the highest-quality wave/freeride boom currently available.

RACE SERIES

The large PLATINUM sails have tried-and-tested race/slalom bend curves. The 30 mm tube diameter and the iFRONT 2.0 front end combine to achieve unbeatable stiffness. The length 170 – 230 cm, however, has a 28.5 mm tube diameter, which is ideal for small slalom sails and all freeride sail sizes.

The PLATINUM 190 and 240 have custom ONE BODY OUTSIDE TAIL tail ends for 20 % more stiffness, so maximum length can be achieved without compromising on rigidity. An additional highlight is the iTAIL RACE FITTING, whose Teflon POM plastic rollers minimise friction. Absolutely unique: The ropes can even be looped while an outhaul trimming system is in use (patent pending). Technology has its price, so don't be surprised!



100% PREPREG-CARBON / T800

	NEW SCHOOL	HYBRID	SLALOM
SIZES	140 – 180 (MEGA SLIM) 150 – 200 (MEGA SLIM) 140 – 190 150 – 200	160 – 220 170 – 230	190 – 250 240 – 290

2 YEAR
UNCONDITIONAL
WARRANTY

SILVER

14200-1401

All SILVER booms are made from 7075 high-tech aluminium in high-quality BONDED TECHNOLOGY. This material used predominantly in cycling gives the tubes significantly more stiffness. There is also the new combination of a round tube in the front area (holding forces act obliquely downwards, so it is stiffer around here) and the OVAL TAIL SECTION (horizontal sail pull, thus the oval tube is stiffer here). This unique solution makes the entire SILVER around 30 % stiffer, which you instantly feel! Together with the hardened front arch, this results in enormous hardness and durability. We are even prepared to offer a two-year unlimited warranty on all SILVER models – even for bending!

The wave-oriented SILVER models consist of three segments and have a one-piece aluminium rear arch in addition to the intelligent iFRONT 2.0 front end. Together with the RDM tubes at 28 mm, this creates the ideal combination of stiffness and comfort. The bend curve applies an even pull on the mast- and backhand. The lengths 180 and 200 cm with performance bend curve are specifically for freeride sails and a 30 mm tube diameter to ensure maximum stiffness.

The entire SILVER line is equipped with the iTAIL WAVE tail end, whose patented Loop-Loop-Go 2.0 system for the first time guarantees absolutely perfect rope alignment. The solid PROTECTION GRIP coating on the outside effectively prevents damage to the coating when rigging up.

2 YEAR UNCONDITIONAL WARRANTY



7075 ALUMINIUM

	NEW SCHOOL	HYBRID	PERFORMANCE
SIZES	140 – 190	160 – 220	180 – 230
	150 – 200		200 – 250



BLACK

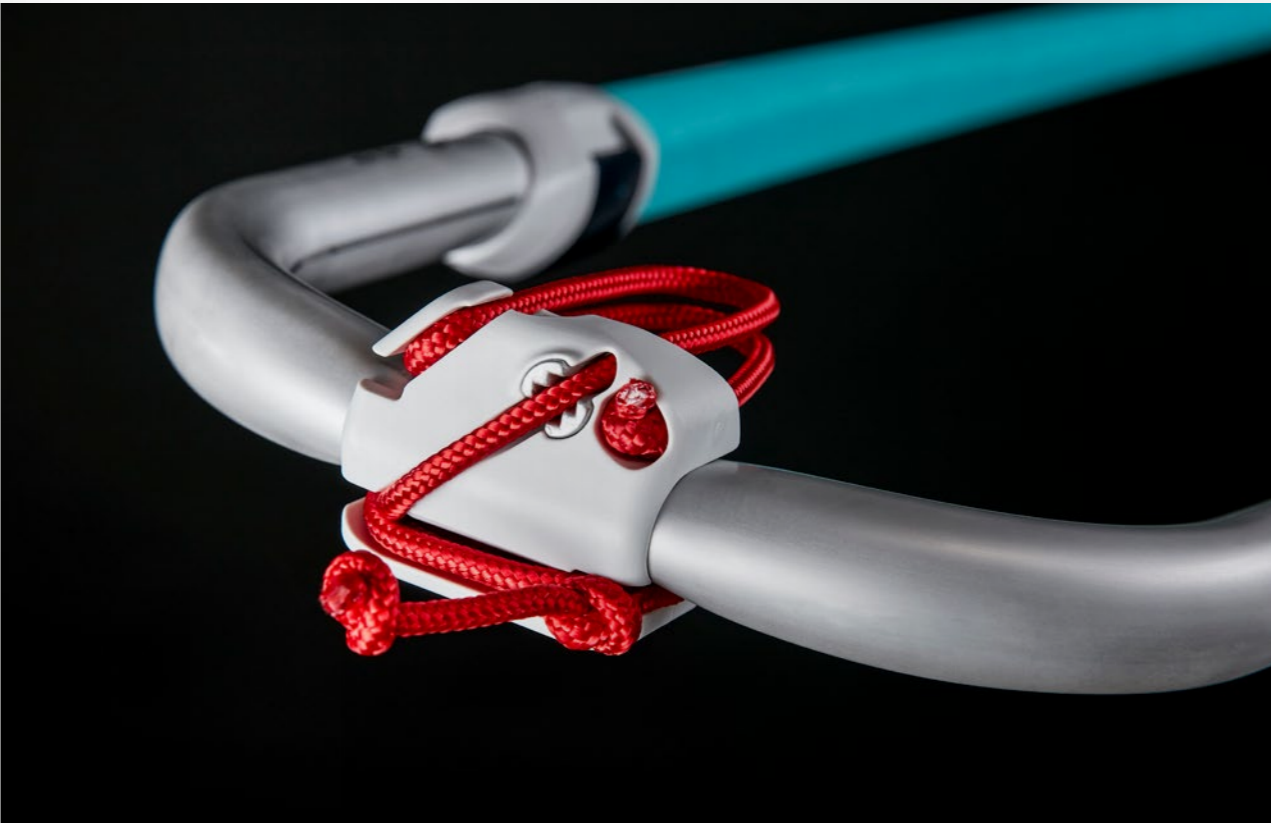
14200-1400

The current BLACK generation is manufactured in high-quality BONDED TECHNOLOGY. In this process, tubes and front end are “welded” using special adhesive use in space travel. The iFRONT 2.0 front end, with flex and stiffness tailored to the needs of specific users, is installed for greater comfort and simple operation. The BLACK range includes two individual bend curves, whereas both short lengths have a modern PROGRESSIVE BENDCURVE and the reduced, comfortable tube diameter of 28 mm. All other lengths have a conventional bending line and a 30 mm tube diameter. For reliability and comfort, the DOUBLE PIN LOCK system helps to firmly fix the boom length in place while preventing the tubes from being twisted. Thanks to the different bending lines, the BLACK series fits with almost all sail types from all brands.



T8 ALUMINIUM

	NEW SCHOOL	CLASSIC
SIZES	140 – 190	160 – 210
	150 – 200	180 – 230



POWER.XT 2.0

AN INSPIRING (R)EVOLUTION – THE POWER.XT 2.0 CAN DO MUCH MORE AND DO IT BETTER THAN THE PREVIOUS MODEL. AND AS POWER.XT 2.0 AERO RDM 34 IT IS ALSO THE MOST LIGHTWEIGHT RATCHET EXTENSION OF ALL TIME!

Beyond the basic idea, the POWER.XT 2.0 has almost nothing in common with the previous model any more. From the extremely solid ratchet mechanism plus lever to the simplified release mechanism, the high-strength Lyros® Dyneema harness lines and the option to retrofit the damper function – everything has been radically upgraded. The latest version comes with a completely new adjustment ring, which offers a unique feature: based on the tried-and-tested SDM adjustment ring, the RDM version now for the first time ensures that the aluminum tube does not come into contact with the mast anymore, which avoids any contact corrosion. No other RDM extension can offer that! In order to guarantee the same durability despite the reduced diameter, a double-walled construction of 7075 aluminum outer tube and ovalized T8 inner tube is used (patent pending).

For many years, the POWER.XT has been the benchmark when it comes to extensions with trimming tools. Those who use it will never want to do without it again. Thanks to the integrated lever, it overcomes even the strongest downhaul forces, enabling perfect re-trimming or fine-tuning even when on the water. Even children could handle the extreme luff tension of modern slalom sails, each profile can be adjusted to millimetre precision in a matter of seconds. The 15 cm long lever and the ratio of 1:60 enable trimming without any noticeable effort.



POWER.XT 2.0

1 4 2 0 0 - 7 3 0 0



AERO RDM 34

WEIGHT: 530 G



POWER.XT 2.0

1 4 2 0 0 - 7 3 0 1



RDM 36

WEIGHT: 710 G

POWER.XT 2.0

1 4 2 0 0 - 7 3 0 1



SDM 28/42

WEIGHT:
670 G (28),
770 G (42)

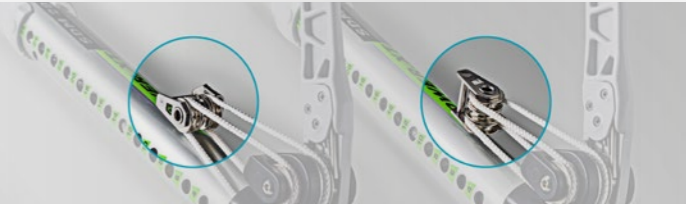


INTEGRATED RATCHET ADVANTAGES WHEN SETTING UP THE SAIL:

- + Faster setup: Simply attach the rope loop and fasten them to the standard cleat.
- + Significantly less effort required (power ratio 1:60)
- + No trimming tools necessary (e.g. "easy rig" or crank)

ADVANTAGES ON THE WATER:

- + Re-trimming possible on the water – both tensioning and releasing (e.g. at varying wind strength)
- + Increased safety
- + Sail performance and range of use are for the first time being fully utilised



2 THREAD SYSTEM – COMPATIBLE WITH ALL SAIL BRANDS

- + The POWER.XT 2.0 has an external pulley made from high-quality metal in order to attach the harness lines in the Loop-Loop-Go method – for the quickest and most comfortable trimming ever!
- + It is also the first choice for sails with twisted tack rollers (e.g. Loft, Naish, Severne) because their rope alignment are taken into account. However, these sails do require you to thread in the harness lines.



RAPID RELEASE – EXTREMELY FAST DE-RIGGING ADVANTAGES WHEN DE-RIGGING:

- + Thanks to RAPID RELEASE, the sail can be released in just a single movement. Due to the modified position of the standard cleat you need only place one foot on the extension and pull the rope out of the cleat with a single jerk.

SHOX UPGRADE KIT POWER.XT 2.0

1 4 9 0 0 - 7 3 0 2



SDM

ADDITIONAL NET WEIGHT: 120 G
(50 G WEIGHT SAVINGS BY
SHOX.BASE >> ADDITIONAL
NET WEIGHT = 70 G)

SHOX UPGRADE KIT FOR INNOVATIVE SUSPENSION TECHNOLOGY

The unique DUOTONE SHOX suspension system can be retrofitted to all POWER.XT 2.0 SDM models. SHOX is the first shock absorber to be integrated into the extension which gives the windsurfing board a real chassis, just like the full suspension used in mountain bikes. When in choppy waters in particular, it gives stability to your board and rig, withstands gusts of wind and absorbs energy when landing jumps. Tests conducted by all the leading windsurfing magazines have confirmed that, with this feature, riders can convert wind pressure more effectively into forward pull, making them 2–3 knots faster and protecting the materials and joints. Whether you have a speed, racing or freeride setup, the POWER.XT 2.0 combined with the SHOX UPGRADE KIT adds more control, boosts speed and provides greater rider comfort. And when you're on the wave, the SHOX suspension system ensures softer landings and enhanced board control both down the line and when cresting a breaking wave. The SHOX UPGRADE KIT is of course available for RDM and SDM POWER.XT 2.0 of all lengths.

UNI.XT

THE MOST TECHNICALLY ADVANCED AND YET THE MOST LIGHTWEIGHT STANDARD ALUMINIUM EXTENSION WE HAVE EVER BUILT. NOW ALSO BUILT USING AERO CARBON TECHNOLOGY TO CREATE THE MOST LIGHTWEIGHT EXTENSION IN THE WORLD.

When it comes to standard extensions, everyone has probably experienced some nasty surprises at some point. They rarely fit with the rope alignment on the sail, most of them need high downhaul forces, and more often than not the mechanism for adjusting the height is extremely fiddly. Before designing the UNI.XT we analysed all of these issues in detail and came up with workable solutions. The strong and super-solid UNI.XT extension may look like numerous other standard extensions at first glance, yet it is replete with innovations which make it a far superior product. The latest version comes with a completely new

adjustment ring, which offers a unique feature: based on the tried-and-tested SDM adjustment ring, the RDM version now for the first time ensures that the aluminum tube does not come into contact with the mast anymore, which avoids any contact corrosion. No other RDM extension can offer that! In order to guarantee the same durability despite the reduced diameter, a double-walled construction of 7075 aluminum outer tube and ovalized T8 inner tube is used (patent pending).



DOUBLE FOOT TRIM – 30% LESS FORCE REQUIRED

The UNI.XT also has a lot more to offer in terms of power efficiency. In order to get the most effective and reliable support against the extension when tensioning the luff, the DOUBLE FOOT TRIM option was integrated in addition to other ergonomic considerations. Thanks to the intelligent positioning of the cleat, you can for the first time rest both feet against the extension and thus apply far more force while keeping the strain on your back to a minimum. This is just like in rowing, where more force is applied through pushing with your legs than pulling with your back.



UNI.XT

1 4 2 0 0 - 7 3 0 0



AERO RDM 34

WEIGHT: 420 G

UNI.XT

1 4 2 0 0 - 7 3 0 1



RDM 36

WEIGHT: 600 G

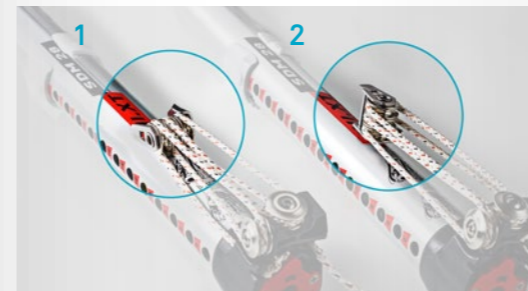
UNI.XT

1 4 2 0 0 - 7 3 0 1



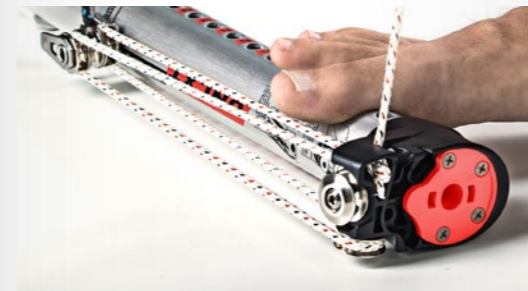
SDM 28/42

WEIGHT:
540 G (28),
640 G (42)



2 THREAD SYSTEM – COMPATIBLE WITH ALL SAIL BRANDS

Is there anything more infuriating than unpacking the sail and then finding out that the tack roller is not aligned correctly with the extension? Or when it takes hours to thread the ropes? Thanks to the exclusive arrangement of trim rollers, the UNI.XT does away with all of these problems. The rollers are positioned in the cup so they are well protected, preventing damage and injury. This arrangement ensures an absolutely frictionless alignment of the rope in combination with 0° tack rollers (e.g. DUOTONE, NeilPryde, GA) as well as with roller units rotated by 90° (e.g. Gun Sails, Naish, Severne). This ultimately saves on downhaul force and protects the rope. Furthermore, this roller arrangement for the first time enables the Loop-Loop-Go feature for all sail brands. Simply fit the rope loop over one of the outer rollers and start trimming.



RAPID RELEASE – EXTREMELY FAST DE-RIGGING

The cleat of the UNI.XT is positioned so that, when de-rigging, only one foot needs to be placed on the extension, after which the rope is released from the cleat with a single jerk motion. Thanks to the RAPID RELEASE SYSTEM, the luff is completely released in a single movement and the sail can be pulled from the mast straight away.

SHOX UPGRADE KIT UNI.XT 2.0

1 4 9 0 0 - 7 3 0 5



SDM

ADDITIONAL NET WEIGHT: 120 G
(50 G WEIGHT SAVINGS BY
SHOX.BASE >> ADDITIONAL
NET WEIGHT = 70 G)

SHOX UPGRADE KIT FOR INNOVATIVE SUSPENSION TECHNOLOGY

The unique DUOTONE SHOX suspension system can be retrofitted to all UNI.XT SDM models. SHOX is the first shock absorber to be integrated into the extension which gives the windsurfing board a real chassis, just like the full suspension used in mountain bikes. When in choppy waters in particular, it gives stability to your board and rig, withstands gusts of wind and absorbs impacts when landing jumps. Tests conducted by all the leading windsurfing magazines have confirmed that, with this feature, riders can convert wind pressure much more effectively into forward pull, making them 2-3 knots faster and protecting the materials and joints. Whether you have a speed, racing or freeride setup, the UNI.XT combined with the SHOX UPGRADE KIT definitively adds more control, boosts speed and provides greater rider comfort. And when you're on the wave, the SHOX suspension system ensures softer landings and enhanced board control both down the line and when cresting a breaking wave. The SHOX UPGRADE KIT is of course available for RDM and SDM UNI.XT of all lengths.

iBASE 2.0



RELEASE OPTION

We have always been annoyed having to unscrew the base from the board after the surf session with tired hands, just so the board fits into the board bag. For this problem in particular the iBASE 2.0 features a useful release option for removing the connection joint by simply pulling the sand-resistant, stainless-steel U-pin. Without the need for tools, you can also swap this for a different model in a matter of seconds depending on your preferences. An additional advantage of this feature is that with a replacement joint/tendon you are immediately ready for action again when worst comes to worst – without having to go through the effort of repairing the joint/tendon.



LOWEST DESIGN, EXTREME DURABILITY

So that the iBASE 2.0 can be installed or removed without the need for tools, it has been designed to include a central screw. Although these designs are normally built relatively high, our engineers have found a solution for making the iBASE 2.0 the lowest base of its kind. Because there is nothing in the way, the risk of injury to feet and toes is kept to a minimum. In contrast to conventional mastfoot bases made of Zytel plastic, the iBASE 2.0 is the only one produced using a much stiffer material known as POM, thus improving the durability.



ONE FOR ALL – JUST ONE BASE FOR ALL CONDITIONS

We are 100% convinced that absolutely no-one in any conditions and for any discipline needs more than one base. The high flexibility and ease of installation and removal makes the need for multiple bases and different systems simply obsolete. This is why we only offer the iBASE 2.0. All these additional features do not lead to any additional weight – something other bases in the market cannot claim to achieve!

iBASE+ITENDON

14900-7315

iBASE+ITENDON.SHOX

14900-7317

iBASE+JOINT (INCL. LONG PIN)

14900-7316

EVEN SAFER

- ✦ A. For all safety nuts, the release button can now be fixed with a screw (PERMA LOCK OPTION), thus inhibiting the release function.
- ✦ B. Should the iBASE 2.0 ever become stuck to the board after long storage times, two holes now allow you to use a screwdriver as a lever to release the base with ease.



1. STANDARD

2. LOCKED



EPX

Windsurfing is an exhilarating experience. Once you try it, you'll never want to let it go. To remove barriers from entry and advancement in the most beautiful sport in the world, we have launched the EPX range. This includes rock-solid rig components that have been developed, designed and tested in cooperation with VDWS – the world's largest windsurfing school. Proven, tried-and-tested and reliable.

EPX.CARBON BOOM

14900-1412



Who says carbon booms are unaffordable? With the EPX. CARBON we make exclusivity affordable for everyone because it is largely identical in construction to most top products from other brands. To ensure above-average performance, the EPX. CARBON is made of 100 % carbon in a rigid prepreg monocoque construction. The equipment includes a state-of-the-art front end with integrated RDM adapter and double-pin length adjuster.

ALL LENGTHS, TUBE DIAMETERS AND BENDING LINES ARE ADAPTED TO THE RELEVANT RANGE OF USE:

- ✦ Lengths 140 and 150 with 24.5 mm tubes and new school bend curve for wave freestyle usage
- ✦ Length 160 with 27.5 mm tubes, hybrid bend curve and square tail end for wave-freeride sails
- ✦ Lengths 175 and 190 cm with 29 / 30 mm oval tubes, race / slalom bend curve for freerace and slalom sails

EPX.25 RDM / SDM MASTEN

14900-1625



The modern epoxy mast with 25 % carbon content, which is also available as a slim RDM model. Dynamic, solid and, thanks to its small diameter, very easy to grip as an RDM during manoeuvres. Six RDM lengths from 230 to 430 cm, as well as two SDM lengths, cover all conceivable sail sizes (including children's sizes up to 1.0 m²). The EPX.25 range works with almost all sails, regardless of the specific brand.

EPX.AL BOOM

14900-1411



The aluminium boom with a universal bending line for a very wide range of use. The proven, easy-to-use front end fixes the boom securely to the mast without any slippage. Thanks to the double-pin adjustment system, the unit can be adjusted to a wide range of lengths. Four basic lengths cover all of the key sail sizes. The two small lengths with a grip tube diameter of only 25 mm are specially designed for smaller hands (large lengths with 29 mm tubes). The universal bending line of the EPX BOOM is suitable for almost all types and brands of sails.

EPX.GROM_AL MAST

14900-1620



The first children's and junior mast that grows along with the rider. Five different mast lengths can be achieved with just three interchangeable aluminium mast sections. 200 cm, 260 & 290 cm and 300 & 330 cm. The universal bending line and the balanced flexing properties are incredibly useful for all children's and junior sails, and are of course ideal for the DRIVE CLOTH line. An additional advantage is the 32 mm base diameter, which now allows every RDM extension to be used. Please observe the maximum permitted body weight of 50 kg!

EPX.BASE+POWERJOINT

14900-7322



The world's most widely used mast base in every surfing centre. The original Powerjoint with high cross section guarantees maximum durability. The central screw allows you to install and adjust the mast in a matter of seconds without needing tools. DUOTONE pin with M10 thread for maximum reliability and compatibility. Made in Germany!

EPX.BASE+TENDON

14900-7323



The one-piece mast base with central screw allows you to install and adjust the mast in a matter of seconds and without needing tools. The exclusive DUOTONE iTENDON with integrated lock ensures highly direct power transmission between board and rig. Made in Germany!

EPX.XT RDM 36 / SDM 42

14900-7309



EXTENSION RANGE: 4 – 36 cm / 2 – 42 cm

These solid 36 cm RDM and 42 cm SDM extensions are available for all EPX and EPX.GROM masts. Its well-known pin adjustment system enables reliable height adjustment and secure locking. Thanks to RAPID RELEASE with its usefully placed cleat, when de-rigging, only one foot needs to be placed on the extension, after which the rope is released from the cleat with a single jerk motion – completely releasing the luff in one easy motion.

EPX.CUP RDM

14900-7321



Useful plastic cup with 3 rollers, fitting directly into each RDM mast.

EPX SAIL

14900-1220



The universal freeride sail with a wide range of use is suitable for application in numerous spots around the world. With its five battens, state-of-the-art profile and practical mix of materials, the EPX SAIL begins planing easily, has a stable draft position and is easy to control – leaving you free to experience the thrill of gybing and rapid strokes. The EPX SAIL is a loyal partner on the road to the next ability level. Five different sizes cover all of the key wind ranges.

TUNING PARTS

UPHAULS



UPHAUL LINE PRO S/L
14900-8008

Extremely light, does not swing and is available in two lengths for race- or handling-oriented sails. Additional adjustable length to fit without preload and to guarantee perfect lever ratios.



UPHAUL SELECT S/L
14200-8009

Completely new, extremely pleasant to grip uphaul. Instead of the usual webbing tube plus rubber cord construction we use a high-tech webbing tube including woven elastomers. This high-tech stretch material stays in shape and is aerodynamically far better than classic uphauls.



UPHAUL GRIPSTER
14900-8010

Specifically for beginners and intermediate riders. EVA-coated plastic inserts sit over the webbing. These are slightly thicker and have a good grip and require less effort to use, especially for beginners. Adjustable length to fit without preload and to guarantee perfect lever ratios.



UPHAUL LIFTER
14900-8011

The ultimate in safety and simplicity. Uphaul with loop that is not attached to the harness. Simply crouch down slightly, lean backwards and stretch upwards with your back straight. There's no easier way of getting the rig out of the water.

HARNESS LINES

As longer harness ropes tend to swing more, they are strengthened with special reinforcements in the webbing area. In the shorter versions, these reinforcements are reduced to ensure constant swinging behaviour. And for a cooler appearance, there are two colour options to choose from.



FIXOR
14900-8003
22/24/26/28/30/33/36 INCH
Non-stretch ropes with solid hose sheathing



FIXOR PRO
14900-8002
22/24/26/28/30 INCH
Can be replaced without having to remove the boom end



VARIO SL 2.0
14200-8001
22-28 / 28-34 INCH
Length adjustable with corrosion-free original Edelrid climbing alloy DOUBLE D BUCKLE. Available in two lengths.



VARIO RACE
14900-8000
22-28 / 28-34 INCH
Racing ropes with metal buckle; length can be adjusted whilst riding. Available in two lengths



CENTER VARIO
14900-8004
22-28 / 24-32 INCH
Adjustable length thanks to two corrosion-free plastic buckles, allowing you to achieve maximum length adjustability. Available in two lengths

HARNESS

The revolutionary Thermo Composite CURV material is a totally new innovation in harness development and sets a new benchmark in design and performance. Featuring this latest development, the brand-new, RADIUM TEAM SERIES offers an outstandingly light yet incredibly robust harness construction. The 3D Plus spine and high outline were designed to support the rider exactly where needed most. You can always rely on the TEAM's choice, no matter if you feel like shredding some waves, pushing the limits of speed or just going freeriding. In endless hours on the water we

created this harness together with our top wave riders and racers. The softer flex and high outline combined with Hyper_Foam provide loads of comfort. The fully-molded EVA and silicon print keep everything in place so you can focus on your riding. Developed in cooperation with ION.



RADIUM TEAM SERIES
14200-4700



OUTHAUL KITS



OUTHAUL KIT RACE

14900-8013

Optimises the trimming range of the sail – an essential feature for racing and high-performance sails



OUTHAUL KIT UNIVERSAL

14900-8012

Completely optimised and simplified: The Outhaul Kit Universal with lightweight plastic buckle is extremely easy to install on one or both sides, making it suitable for race-freeride and even wave-freestyle application.



CARBON XTENDER PLATINUM 40

14900-7310

The ultimate 40 cm mast extension with a high-quality, lightweight PLATINUM construction, available as an RDM or SDM version. This allows you to use sails of various sizes up to 3.5 m² with the same mast.

PROTECTORS



BOOM PROTECTOR

14900-8014

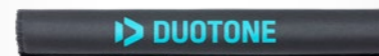
Padded, closed boom protector to protect the board nose, especially in the event of wipe-outs.



MAST BASE PROTECTOR

14900-8015

Preformed EVA protector for guarding your toes. The exclusive hexagonal shape fits ideally to every board shape.



ROOF RACK PAD

14900-8016

Thickly padded roof rack fittings with Velcro fastenings, suitable for round and angular supports.

QUIVER FLIGHT LIGHT

14900-7000

SMALL = MASTS UP TO 430
LARGE = MASTS UP TO 490

Super-lightweight, simple tote bag with sewn-in handles (approx. 70% = 3 kg lighter than standard quiver bags) in order to remain within weight restrictions, e.g. on planes. Holds up to three rigs and is available in two sizes (S: max. mast length 430, approx. 1.5 kg; L: max. mast length 490, approx. 1.7 kg)





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>

MEN

TEE SS ORIGINAL
44202-5000



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TEE SS ORIGINAL
44202-5000



Now available

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44202-5002



Now available

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44202-5002



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44202-5011



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TEE SS TRUE ONE
44202-5008



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44202-5008



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TEE SS TRUE WS
44902-5012



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44202-5006



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44202-5650



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44902-5650



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44202-5752 - BLACK



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44202-5750 - BLUE



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BOARDSHORTS 19"
44202-5750 - GREY



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BOARDSHORT 3
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44203-5001



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TEE SS BRANDED WMS
44203-5007



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TEE SS POCKET WMS
44303-5003



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ZIP HOODY TEAM WMS
44203-5201



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TANK FADE WMS
44203-5011



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PONCHO
44200-7040



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UNISEX

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NEW ERA - JERSEY LOGO
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NEW ERA - CIRCLE
44200-5916 - LIGHT GREY



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NEW ERA - CIRCLE
44200-5916 - DARK GREY



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NEW ERA - AIR
44200-5918 - STEEL GREY



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NEW ERA - CLOUD
44200-5919 - LIGHT GREEN



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NEW ERA CAPS

NEW ERA - CORDUROY
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NEW ERA - REFRESH
44200-5914



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NEW ERA - TEAM BEANIE
44200-5917 - DARK GREY



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NEW ERA - TEAM BEANIE
44200-5917 - LIGHT GREEN



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N O O T H E R B R A N D O F F E R S

GUARANTEE

A N Y T H I N G C O M P A R A B L E

5 2+3
YEAR
WARRANTY

FOR ALMOST ALL SAILS

(EXCEPT IDOL LTD, SUPERHERO M.PLUS,
WARP UND WARP_FOIL)

Whether it's overpowered, getting washed or during wipe-outs, we are not afraid of extreme conditions, since that's what our sails are made for, and that is our promise to you. To demonstrate our commitment, we offer an unrivalled 2+3 year warranty* (monofilm excepted) on almost all sails extending your 2 years legal warranty claims by 3 additional years.

2 2YEAR
UNCONDITIONAL
WARRANTY

FOR ALLMOST ALL RIG COMPONENTS

(EXCEPT EPX, BLACK UND PLATINUM AERO)

Whether it's our masts, booms, extensions or accessories – they are all set apart from the alternatives by the unmistakable DUOTONE quality. They are impressive products not just in terms of performance, but also due to their incredible durability. To prove it, we also include with this a written unlimited warranty for two years!* So you can always have full confidence in yourself and your equipment.


*To secure warranty claims, please register at www.duotonesports.com within 30 days of purchase. Otherwise, only statutory warranty claims will be accepted. This is valid only for original owners.

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