

TRUE WINDSURFING

NOW BY

 **DUOTONE**





KEEP IT TRUE!

THE ONLY CONSTANT IN LIFE IS CHANGE. EVERYTHING IS IN MOTION. TIMES, CIRCUMSTANCES – ONLY THE OBJECTIVE REMAINS THE SAME. THAT ALSO GOES FOR OUR PLEDGE TO MANUFACTURE THE MOST INNOVATIVE SPORTS EQUIPMENT FOR WIND SURFING.

So as new adventures beckon, our commitment to reliability remains complete and unwavering. Since August 2018, the windsurfing rig division of Boards&More GmbH has been developing and marketing all their products under the new brand DUOTONE. The values that we have always stood for – high-end technologies, unrivalled quality, unbridled passion, continuous improvement and a track record of competitive success – remain the guiding philosophies on our new journey.

Of course, all of our development, sales and production teams, as well as all team riders, will remain on board in order to guarantee

high-performance products that can do more and can last longer.

Wind and water, kite and sail, emotion and technology, man and material ... – there are always two sides to every story and Duotone finally unites what belongs together. Two tones like yin and yang. Body and Soul. The power of dualism – we set the tone.

So join us as a new chapter begins; we have some major plans and are ready to step up and nail our new colours to the mast!

Welcome to DUOTONE!



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, whether we're training, tinkering with equipment, testing, or making improvements to prototypes. No other place in the world offers such diverse and steady conditions, and nowhere else is home to such a large number of different watersports

enthusiasts and first-class riders. 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 Maui spirit, innovative potential and perfect conditions, combined with typically German perfectionism, engineering prowess and uncompromising quality standards.

TRUE WINDSURFING that can only be delivered by DUOTONE.

TEAM & DEVELOPMENT



ALEXANDER HASCH
SALES/MARKETING



RAOUL JOA
PRODUCT MANAGEMENT/MARKETING

PIERRE MORTEFON



MARCO LANG



ULRICH BITTEROLF
PRODUCT ENGINEER

KAI HOPF
SAIL DESIGN



Top athletes and World Cup racers are only relaxed when they're not on the water. And when it comes to equipment, they demand only the very best. In return they give us some incredibly valuable feedback, sometimes some criticism, and occasionally 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. 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.

VICTOR FERNÁNDEZ



KLAAS VOGET

INNOVATION FOLLOWS FUNCTION

Even though our R&D work is centred on Maui, 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!

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.



JOSÉ GOLLITO ESTREDO

ONE TEAM ONE SPIRIT ONE DREAM



VICTOR FERNÁNDEZ
E-42
PWA WAVE WORLD CHAMPION 2010+2016

WAVE TEAM



PIERRE MORTEFON
FRA-14
PWA SLALOM VICE WORLD CHAMPION 2015+2016

RACE TEAM



JOSÉ *GOLLITO* ESTREDO
V-10
8×PWA FREESTYLE WORLD CHAMPION

FREESTYLE TEAM

WAVE TEAM



ADAM LEWIS
K-516



KLAAS VOGET
G-4



ALESSIO STILLRICH
G-95



MARÍA ANDRÉS
ESP-2



ARTHUR ARUTKIN
FRA-1111



ALICE ARUTKIN
FRA-111

FREE- STYLE TEAM



ADRIEN BOSSON
F-296



ARRIANNE AUKES
H-131



RICCARDO MARCA
ITA-988



MAX MATISSEK
OE-9



YEGOR POPRETINSKIY
RUS-11

RACE TEAM



JORDY VONK
NED-69



MARCO LANG
AUT-66



MALTE REUSCHER
GER-7777



VINCENT LANGER
GER-1
IFCA WORLD CHAMPION 2015/16



MARION MORTEFON
F-118



ESTHER DE GEUS
NED-16

THE TRUE RIG BRAND

Almost all brands offer masts, booms and accessories alongside their sails. Unfortunately, almost all of these are OEM products that are simply purchased from just two Asian manufacturers. For this reason the products are incredibly similar: a different colour here, a new print here, and they're done, with no new developments or innovations to be seen. For the components in particular, this carries a lot of potential for development – in terms of user convenience as well as performance and durability.

It is DUOTONE's mission to keep redefining windsurfing, which is why our engineers and technicians design only their own rig components with exclusive features, which are then put through their paces by the team in a rigorous testing regimen – exactly what makes us a TRUE RIG BRAND.

THE DUOTONE QUALITY GUARANTEE

NO OTHER BRAND OFFERS ANYTHING CLOSE TO IT

5 2+3 YEAR WARRANTY

FOR ALL SAILS

(except IDOL LTD and WARP)

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 offers an unrivalled 2+3 year warranty* (monofilm excepted) on almost all sails.

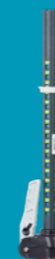
2 2 YEAR UNCONDITIONAL WARRANTY

FOR ALMOST 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.



POWER.XT

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!

TWO ICONIC SAILS



WARP

the ultimate World Cup racing sail and one of the most successful slalom sails in PWA history. Extreme propulsion, relentlessly fast and uncompromisingly designed for victory, yet boasting unparalleled simplicity and ease of use.



SUPERHERO

ALL IN ONE – one for all. The favourite sail of PWA double world champion Victor Fernandez performs well at all stages of a wave – from onshore to side offshore, from 60 to 100 kg. No other sail comes close to how neutral this sail is in terms of handling on the wave.

THE MOST LIGHTWEIGHT HARDWARE IN THE WORLD!

LIGHTER AND STRONGER THAN ALL: THE MOST LIGHTWEIGHT BOOMS, MASTS & EXTENSIONS IN THE WORLD.

In every category and class, DUOTONE has been proven to offer the most lightweight rig components on the market – ensuring unique handling characteristics and outstanding

dynamics. To make sure the durability of your equipment never misses the mark, we define the optimum material composition, production methods and rigorous tests for each product. This gives us the certainty that, despite the minimal weight, durability can be guaranteed even under high-stress conditions.

WHY DUOTONE

FUNCTION AND INNOVATION

It is always a better idea to invest in a tried-and-tested DUOTONE product rather than opt for a cheap alternative. And here are a couple of real reasons that you should think about. 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.



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 used around the clock.

5 2+3
YEAR
WARRANTY



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*.



DESIGNED AND ENGINEERED IN GERMANY

Almost all other manufacturers have their products developed in the Far East. We, on the other hand, design and build 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.

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.

+ 1. 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.

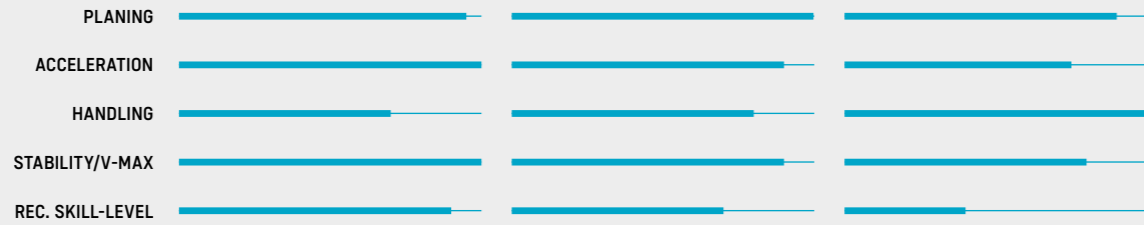
+ 2. And in order to reduce unnecessary transportation, we rely on our national partners as often as possible. And this is especially true for booms and extensions. We are the only brand that produces these primarily in Germany, using 100 % European raw materials in order to keep shipping distances to a minimum.

+ 3. 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.

WARP 20.19
WORLD CUP SLALOM

S_TYPE SL
PERFORMANCE SWITCH CAM

E_TYPE / E_TYPE HD
PERFORMANCE NO CAM



SAIL PROFILE

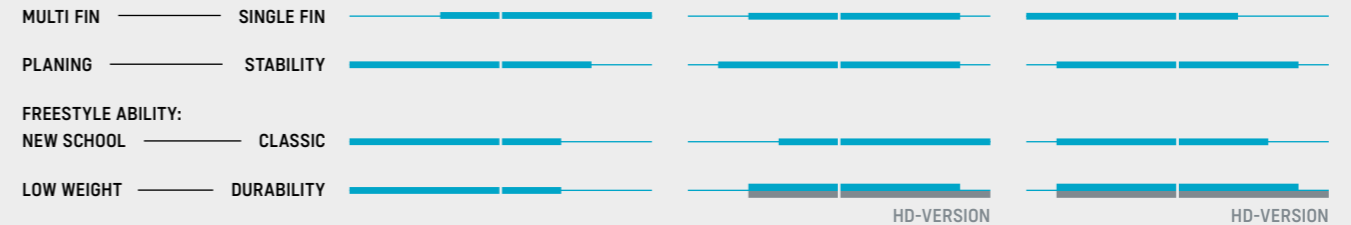


BATTENS/CAMBER	+ 7 battens, 4 cambers: maximum profile stability for an extremely wide wind range and maximum speed	+ 7 (or 6) battens, 3 or 2 cambers: high stability AND good batten rotation	+ NO CAM design for extremely fast on-water starts and effortless batten rotation
LOOSE LEECH	+ Reduced loose leech: faster acceleration when setting off and after a gybe	+ Reduced loose leech: faster acceleration when setting off and after a gybe	+ Reduced loose leech: faster acceleration when setting off and after a gybe
LUFF CURVE	+ Reduced luff curve: the lower sail tension reduces race fatigue by lowering the amount of abrupt forces	+ Reduced luff curve: the lower sail tension reduces muscle strain	+ Reduced luff curve: lower sail tension reduces muscle strain
PROFILE DISTRIBUTION	+ Positive profile even from the second batten (from the top) for additional acceleration power	+ Positive profile even from the second batten (from the top) for additional acceleration power	+ Positive profile even from the second batten (from the top) for additional acceleration power
ADDITIONAL DETAILS	+ Moderate CUTAWAY CLEW: minimal blow-out for more power and more direct forward pull + Kevlar strips along the entire length of the leading edge, preventing lateral flex (while maintaining side flex) and thus loss of control + Broad double-foil luff sleeve: optimised aerodynamics for maximum performance	+ Moderate CUTAWAY CLEW: minimal blow-out for more power and more direct forward pull + 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 + Extremely deep foot profile for maximum planing power	+ Medium CUTAWAY CLEW: the ideal balance between comfort and performance + PROGRESSIVE BATTEN CONFIGURATION (six or seven battens depending on the size of the sail) – an ideal balance between profile stability and low weight + Extremely deep foot profile for maximum planing power

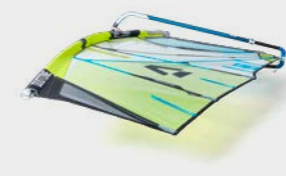
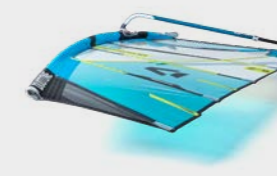
IDOLLTD
ULTRALIGHT FREESTYLE COMP.

SUPER SESSION / HD
POWERWAVE BUMP & JUMP

SUPER HERO / HD
WAVE ALL IN ONE



SAIL PROFILE



BATTEN CONFIGURATION	+ 4 batten design for maximum handling with minimal weight	+ 5 batten design for an ideal mix of handling and stability	+ 4/5 batten design for maximum handling at with minimal weight
HORIZONTAL DRAFT POSITION	+ Horizontal draft position right at the front for absolutely neutral manoeuvring characteristics	+ Forward oriented draft for a crisp and very light feel	+ Further back: absolutely neutral load distribution on both hands – ideal for all types of wave boards
VERTICAL DRAFT POSITION	+ Vertical draft position right at the top for generating maximum lift for all jump tricks	+ Higher vertical draft position: generates lift for improved planing power and an upright sailing position	+ Medium-low vertical draft position: outstanding stability despite the low number of battens
ADDITIONAL DETAILS	+ Extremely high clew for high-speed diving ducking manoeuvres without losing speed + CONVEX DACRON LUFF PANEL: highly elastic for maximum lift in all jumps from lee position + The 100-micron ULTRA FILM, 3 tube battens, iROCKET 2.0 tensioner and the MINI PROTECTOR make the IDOLLTD the most lightweight freestyle monofilm sail on the market	+ 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 sailor's preferences (stiffer / more direct or more elastic / more comfortable)	+ Less loose leech, generating a lot of low-end power + 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





WARP 20.19

WORLD CUP SLALOM

**“THE WARP 20.19 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 20.19 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 and tactics. Combined with the unrivalled effortless camber rotation, this makes the WARP 20.19 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 20.19, 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.

PREVIOUS DOWNSIDES

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

+ a. Extreme effort

When “only” the foot profile is increased lower without adapting the loose leech and luff curve. Lots of luff curvature, reduced top profile and enormous 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 more full 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.

ADVANTAGES BY NO COMPROMISE DESIGN

+ Step 1:

More profile in the entire sail, which provides a power boost when accelerating.

+ Step 2:

Reduction of the luff curve, thus reducing 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 reduced 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 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)
- + **SEVEN-BATTEN DESIGN:** This design makes the WARP 20.19 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:** Reduced blow-out for more power and more direct forward pull
- + **HYPHER CAM:** Confirmed time and time again by specialist publications – the best camber rotation on the market
- + **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 20.19 there's everything to play for!



C04

SIZES

4.7 SPEED 5.4 6.2 7.0 7.7 8.4 9.0 9.4





S_TYPE SL

PERFORMANCE SWITCH CAM

“THE MAIN DIFFERENCE THE S_TYPE SL HAS WHEN COMPARED TO THE WARP 20.19 IS THAT IT LOSES SPEED AS SOON AS YOU SHEET OUT. THIS MAKES GYBING CONSIDERABLY EASIER, ESPECIALLY FOR NON-PROFESSIONALS.”

MARCO LANG

International press outlets have repeatedly rated the S_TYPE as the best of its class. As a highly competitive slalom sail designed for everyday sailors, it has an unquenchable thirst for speed, but is nonetheless easy to handle. One of the reasons for this is that the S_TYPE SL has inherited the racing DNA of the WARP to guarantee maximum performance potential. At the same time, the S_TYPE SL's handling is extraordinarily simple for its class. This is made possible by the revolutionary NO COMPROMISE DESIGN, which was adapted from the WARP 20.19. A reduced profile, loose leech and luff curve all improve performance in the lower end of the wind range and thus boost acceleration.

The S_TYPE SL in the NO COMPROMISE DESIGN is the perfect synthesis from the most successful race slalom sails in our company's history. Whether you're racing along at maximum speed or casually cruising and gybing, the S_TYPE SL boasts extreme versatility. Kai Hopf combines the balanced handling and comfort of the S_TYPE SL with the top-end performance of a WARP. The result is an outstanding level of power on all courses and superior control to boot. 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 on-water starts. This is supported by the LUFF LIFT DESIGN of the WARP 20.19, which provides additional lift. The S_TYPE SL is incredibly useful as a high-performance sail for various board types because it can be sailed with either two or three cambers (removable foot camber). Simply genius! All S_TYPE SL sizes perform reliably well with just one mast length.

KEY FEATURES

- ✦ **HOLLOW LOWER LEECH ^{NEW}**: This reduces the boom length without losing power
- ✦ **NO COMPROMISE DESIGN**: An ideal mix of maximum acceleration and propulsion without the need for additional effort, and without compromising control and wind range
- ✦ **LUFF LIFT DESIGN**: A more defined profile in the upper luff increases lift and introduces tangible improvements to low-end power and acceleration
- ✦ **XPLY BATTEN POCKET**: Non-stretch and water-resistant (dry weight is equal to wet weight)
- ✦ **PROGRESSIVE BATTEN CONFIGURATION**: The number of battens depends on the sail size and is therefore matched perfectly to the specific range of use
- ✦ **iBUMPER 2.0**: Even more lightweight and effective, with an integrated trim indicator
- ✦ **HYPHER CAM**: Confirmed time and time again by specialist publications – the best camber rotation on the market, and the most convenient method of rigging up
- ✦ **SWITCH CAM OPTION 3/2**: Three cambers for maximum performance, two cambers for more comfortable handling
- ✦ **MINIMUM MAST CONCEPT**: One mast (460-25) is suitable for all sail sizes
- ✦ **AERO SLEEVE DESIGN 2.0**: Maximum propulsion and rapid on-water starts

SIZES

6.0 6.6 7.3 7.8 8.3 8.8 9.3

COLOUR COMBINATIONS



C02



C01

5 2+3
YEAR
WARRANTY



E_TYPE/ E_TYPE HD

PERFORMANCE
NO CAM

“JUST LIKE OUR RACING SAILS, THE MORE DEFINED PROFILE AT THE TOP, THE REDUCED LOOSE LEECH AND THE INCREASED MAST FLEX ENSURES GREATER PLANING POWER AND A MORE STABLE PROFILE. ALL THESE FACTORS COMBINE TO CREATE THE FASTEST NO-CAM SAIL THAT WE HAVE EVER BUILT!”

KAI HOPF

The “E” stands for “electrifying”, “effective” and “easy to control”. E_TYPES are exactly the kind of athletic freeride sails which make windsurfing so fascinating and uncomplicated: easy to rig up, set off and start into motion without any need for pumping. All E_TYPES combine constantly accessible acceleration power with the playful handling of a no-cam sail. This is pure windsurfing, with lots of propulsion, speed AND special durability for experienced and athletic manoeuvres.

Versatility is the greatest strength of the E_TYPE. The harmonious performance, easy handling and highly responsive riding feel create a great deal of confidence, increase control and make windsurfing a breeze. The E_TYPE is definitely our fastest DUOTONE no-cam sail of all time.

The E_TYPE in the NO COMPROMISE DESIGN has been developed to ensure top-end performance as well as a real boost when accelerating and planing. The stable draft position right at the front makes rig control much easier and the PROGRES-

SIVE BATTEN CONFIGURATION (number of battens depending on size) reduces weight. As a result, the no-cam E_TYPE is the perfect freeride sail for all water types and combines handling and easier rigging-up with vigorous performance and top speed.

All E_TYPE sails 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.

KEY FEATURES

- ✦ HOLLOW LOWER LEECH ^{NEW}: This reduces the boom length without losing power
- ✦ VTS 2.0 ^{NEW}: The optional trim indicator allows you to trim with optimum precision without ever having to check the loose leech at the top (patent pending)
- ✦ NO COMPROMISE DESIGN: An ideal mix of maximum acceleration and propulsion without the need for additional effort, and without compromising control and wind range
- ✦ LUFF LIFT PANEL: Extremely easy, powerful planing and acceleration thanks to the fuller profile in the upper luff
- ✦ PROGRESSIVE BATTEN CONFIGURATION: The number of battens depends on the sail size and is therefore matched perfectly to the specific range of use
- ✦ MINIMUM MAST CONCEPT: Two masts are suitable for all sail sizes.
- ✦ Also available in a monofilm-free HD version



C07

SIZES

- 5.4 5.8 6.2 6.6 7.3 7.8 8.2 9.4

COLOUR COMBINATIONS



C02

HD





FREESTYLE × WAVE



IDOL LTD

ULTRALIGHT 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.

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 ^{NEW}: Maximum elasticity without distortion of the battens enables maximum lift for all jumps from lee position.
- ✦ 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 ducking manoeuvres without loss of speed.
- ✦ iROCKET 2.0, the most lightweight DUOTONE batten tensioner of all time



C04

SIZES

6.0 6.6 7.3 7.8 8.3 8.8 9.3





SUPER SESSION/ SUPER SESSION HD

POWERWAVE
BUMP & JUMP

“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.”

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 stability and handling are what sets the balanced, five-batten design apart 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. 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.

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 foot panel (150 microns) ^{NEW}: 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-OPTIMISED 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



C02

SIZES

- 4.0 4.4 4.8 5.2 5.6 6.0 6.4

COLOUR COMBINATIONS



C07

HD





SUPER HERO/ SUPER HERO HD

WAVE 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 neutral 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 CENTER, 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. For the best possible draft stability

and control, five battens are installed into the three biggest sails.

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.

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) ^{NEW}: 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 float & go ride 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

SIZES

3.0 3.4 3.7 4.0 4.2 4.5 4.7 5.0 5.3 5.7 5.9 6.3 6.7



HD

COLOUR COMBINATIONS



C01

C11

C20



SPECIALS



COMING SPRING 2019

WARP.FOIL

FOIL RACING

“KAI AND I WORKED TOGETHER ON MAUI FOR A PERIOD OF THREE MONTHS DEVELOPING THE WARP_FOIL. APART FROM THE NUMBER OF BATTENS AND CAMBERS, WE HAVE REALLY TURNED EVERYTHING INSIDE OUT IN ORDER TO DEVELOP A COMPETITIVE SAIL WHICH IS 100% OPTIMISED FOR THE NEW PWA DISCIPLINE OF FOIL RACING.”

VINCENT LANGER

The no-compromises regatta foil sail for adept surfers and competitors who are in it for the win. A professional and extreme propulsion system 100% optimised for foil-surfing regatta courses.

Only crafts with the potential for maximum performance may bear the WARP name. It was therefore incredibly challenging for designer Kai Hopf and team rider Vincent Langer to develop a completely new regatta sail from the ground up exclusively for use on foil surfing courses. The expectations were immensely high because the performance level had to be at an absolutely top level. This was only possible by developing a completely new sail which bore no resemblance to its windsurfing counterpart except for the sailcloths and materials used. A modified profile with more volume and

reconfigured positioning, a modified draft position, more space in the redesigned foot area and a tighter-tensioned leech – absolutely every details has been optimised for low wind, active pumping and upright rig positioning during foil surfing. The sail's four cambers and seven battens ensure a highly stable profile, a firmly anchored draft position, outstanding acceleration and sustained planing at even the lowest wind pressures. Gybing and shifting require experienced riders, using incredibly performance-oriented sails for their journey to the podium.

KEY FEATURES

- ✦ The larger foot surface is adapted to the straighter-standing rig position in order to guarantee ideal aerodynamics and performance.
- ✦ Reduced loose leech adapted for the reduced water resistance of the foil.
- ✦ Modified draft position in order to guarantee maximum power during foil races with low broad-reach and close-hauled sail angles.
- ✦ Saves 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: Confirmed time and time again by specialist publications – the best camber rotation on the market



C04

SIZES

7.8 8.8 9.8





F_TYPE

FOIL RIDING

“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 FOIL AS QUICKLY AS POSSIBLE WITH THE SUP.”

SKY SOLBACH

The latest trend is in foil surfing, which opens up a whole range of possibilities. 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 helpful 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, the 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 foil sail.



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: In order to take account of the lower wind pressure, we use our unique SOFT CAMBER, which can also be removed as necessary (maximum handling performance when removed; maximum range of use when fitted)
- ✦ Reduced loose leech, adjusted to the lower wind pressure
- ✦ VTS 2.0 ^{NEW}: 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) ^{NEW}: The added third thread line boosts the fabric's ripstop properties by 30%.



C02

SIZES

5.8

6.6



NOW

SMALLER FRAME RIDERS

“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 NEXT GENERATION OF YOUNG GUNS.”

VICTOR FERNANDEZ

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 sail 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 LUFF-PANEL 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-OPTIMISED PANEL LAYOUT all result in a significantly lower weight.
- ✦ VTS 2.0 ^{NEW}: 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 foot panel (150 microns) ^{NEW}: 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



C07

SIZES

2.4 2.8 3.2 3.6 4.0 4.4





DRIVE CLOTH

SCHOOLING

The 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



C01

SIZES

1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.7 6.4

COLOUR COMBINATIONS / MODELS



C02

C01

C02



SAIL FEATURES

UNIQUE FEATURE

WHAT ONLY DUOTONE CAN OFFER

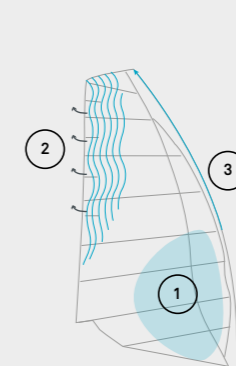
Our sails are set apart from the products of other manufacturers in numerous respects, including DUOTONE-exclusive details that can be distinguished from the "Unique Feature" label.

The entire DUOTONE development and product team has for decades been dedicated exclusively to the research, design and production of high-quality profiles and components for windsurfing. Numerous details and features were conceived during the development and evolution of the WARP World Cup racing sail and its previous models, all of which offer the very best in performance capabilities. These unique solutions and innovations that set DUOTONE apart from other brands are what you should consider in particular when comparing with other sails. You will soon find that most of these features are only available in our sails.

WHAT EVERYONE WANTS, BUT ONLY DUOTONE CAN PROVIDE:

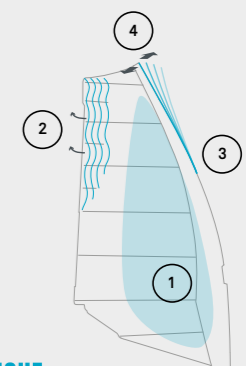
NO COMPROMISE DESIGN

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. The NO COMPROMISE DESIGN thus dominates the World Cup and is feared by competitors. The sail offers improved acceleration particularly after gybing and requires a lot less manual manoeuvring. Sail designer Kai Hopf developed the highly complex concept over a period of several years – a concept that generates more forward pull and acceleration without the usual drawbacks. These are disadvantages which other sails struggle to cope with; they sap the energy out of other products and thus make them slower. The NO COMPROMISE DESIGN is therefore incorporated into all of our racing and performance sails.



CLASSIC DESIGN

Maximum luff curve (3); profile only in the lower body of the sail (1) equates to extreme preload of the mast (with increased risk of breakage). Extreme loose leech (2) and a flat top equates to lower acceleration because not all of the sail surface is profiled and the sail twists 100% due to loose leech.



UNIQUE FEATURE

NO COMPROMISE DESIGN

30% lower luff curve (3); profile up to the top of the sail (1) equates to less preload of the mast. Reduced loose leech (2) and fuller top equates to more acceleration power because the entire sail surface is pre-shaped, propulsion is generated and a more harmonic dual twist eliminates load peaks thanks to loose leech (2) AND mast flex (4).

HIGHLIGHTS

UNIQUE FEATURE



iBUMPER 2.0

iBUMPER 2.0 (combined with VTS 2.0)

A real innovation that offers additional value is the new iBUMPER 2.0, since in addition to its function as a lightweight and reliable mast protector it is also useful as a trimming tool. After stretching on a new sail, the best indicator for optimum trim is the position of the mast end at the height of the protector. For this reason, the new iBUMPER 2.0 now has a viewing window so that the lower edge of the mast can be identified. Once the perfect trim has been found, the optional Velcro patch can be used to “save” this position – saving time and ensuring maximum performance.

UNIQUE FEATURE



HTS 2.0 HARNESSLINE TRIM SYSTEM

Never position your harness lines incorrectly again. Do away with the tedium of adjusting to the optimum rope position, as well as the numb forearms and the endless fiddling around. The patented print on the sail shows exactly where the centre of the harness line has to be. All you need to do is position the two ends symmetrically at the left and right of the print.

UNIQUE FEATURE



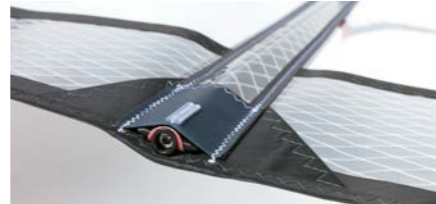
HYPER CAM

(WARP, S_TYPE SL)

International press outlets have attested to the HYPER CAM's “unbeatable rotation and convenience while rigging up” But that's not all that it offers:

- 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.

UNIQUE FEATURE



iROCKET 2.0

Super-lightweight and aerodynamic.

An inconspicuous detail with a massive impact. iROCKET 2.0 batten tensioners are super-lightweight, aerodynamic and highly stable, consisting of high-quality components such as a self-lubricating, salt-water-resistant brass nut with stainless-steel screw which can withstand all batten tensions. Furthermore, the iROCKET 2.0 is an essential component for a true windsurfing revolution:

HANDS-OFF BATTEN TENSION

100% correct batten tension, correctly adjusted when purchased and forever after. We calibrate each individual batten at the factory according to development specifications. And we don't just leave it up to blind intuition either – all battens are adjusted to 100% accuracy using torque wrenches. We also apply soluble screw adhesive to the locknuts so that the tension cannot be altered. This means that the batten tension remains absolutely correct and will never have to be adjusted again. The hex key included with the sail is therefore only needed for individual fine tuning or in the unlikely event of a batten breakage.

UNIQUE FEATURE



2+3 YEAR WARRANTY

(except for IDOL LTD and WARP)

Guaranteed quality – no other brand offers anything close to it. Keeping weight to a minimum is a great idea. But if necessary reinforcements are reduced too much, the product's service life will automatically get shorter. DUOTONE has struck the perfect balance between weight and durability. To prove our dedication to ensuring durability and unique quality, almost all of our sails come with a 2+3 year warranty (excluding monofilm). To secure warranty claims fully, please remember to register at www.duotone-sports.com straight after your purchase. Otherwise, only statutory warranty claims will be accepted. This is valid only for original owners.

UNIQUE FEATURE



VTS VISUAL TRIM SYSTEM

Perfect trim and a huge range of use.

You won't find a quicker or more accurate way of trimming your sail. Even beginners can trim the sail in a matter of seconds to 100% accuracy. All you need to do is pull the luff until the top of the loose leech reaches the “lower wind limit” or “upper wind limit”. The VTS acts as a power boost, ensuring maximum performance and broader range of use.

UNIQUE FEATURE



XPLY PLUS (100/150 MICRON)

What would you prefer? Maximum puncture resistance and UV weathering resistance with minimal stretch? Or (theoretically) improved ripstop properties?

We went with option A and developed the most durable laminate on the market. Because the factors of puncture resistance, durability and stretch evidently depend only on the thickness of the film used, we use only 150 or 100 micron thick films for our exclusive XPLY PLUS. In an extensive series of tests, we have developed the ideal combination of necessary film thickness and number of threads. The X.PLY PLUS in particular, at 150 microns in thickness, boasts durability characteristics far in excess of previous laminates at minimal weight. This is also acknowledged by all the big surfing centres and rental equipment providers around the world, who place their trust in the unbeatable quality and longevity of our sails.

UNIQUE FEATURE



ULTRA FILM

(WARP, IDOL LTD)

Lighter and stronger than all. The most lightweight monofilm on the market. In order to save even more weight, we use the 100-micron thick ULTRA FILM for the super-lightweight IDOL LTD and WARP. However, our experience over the last five years has shown that our exclusive ULTRA FILM is even more durable and long-lasting in practice than 20–30% thicker or heavier standard films. The secret to this is its special chemical composition, since carbon particles are only used in ULTRA FILM – an extreme monofilm which is used in the entire body panel and plays a significant part in reducing weight to a minimum owing to its low thickness.

PERFORMANCE

UNIQUE FEATURE



DOUBLE D BUCKLE

(all sails with vario top apart from NOW and DRIVE CLOTH)

Inspired by high-strength climbing harnesses and Formula 1 helmets. The exclusive, two-part metal double-D buckle on the vario top, which replaces traditional solutions. This design guarantees the best trimming characteristics and eliminates all webbing slippage.

UNIQUE FEATURE



POLYESTER WEBBING ONLY

Eliminating stretch and loss of tension. If it's good enough for safety harnesses, it's good enough for windsurfers! We are the only manufacturer to use only polyester webbing for the (vario) top and the tack roller. This advantage of this compared to conventional polypropylene is the negligible amount of stretch. As a result even brand new sails will retain full luff tension and will not need subsequent trimming.

UNIQUE FEATURE



SOFT CAM

The exclusive DUOTONE SOFT CAM is useful particularly for lower pre-shaped foil sails which have to plane at low winds and shift with minimal pressure. The flexible wings rotate much more effortlessly and evenly than rigid cambers, i.e. without the sudden, hard jolts. Because of the lower contact pressure on the mast, the sail remains altogether more flexible and dynamic, which in particular makes pumping during foil surfing incredibly easier.

PROGRESSIVE BATTEN CONFIGURATION

(S_TYPE SL, E_TYPE, SUPER HERO und DRIVE CLOTH)

Improved handling, total control. One of the decisive factors for draft stability, weight and handling is the number of battens.

PROGRESSIVE BATTEN CONFIGURATION is a size and range-specific system which determines the ideal number of battens for each sail size. This gives the sail the perfect combination of performance and minimal weight.



MINI BATTEN

These prevent unwanted leech flutter. Short and highly effective mini-battens which provide support for the areas between the battens and prevent undesirable flutter.

UNIQUE FEATURE



3D TOP CAP

Optimised pull. On regular top caps and pin systems the webbing is connected in a "one-dimensional" way with the sail body (either side to side or front to back), which transfers the downhaul tension only in certain points. The 3D TOP CAP allows a "three-dimensional" and very widespread transition of the downhaul forces into the sail body. This eliminates top fluttering and ensures a progressive loose leech extending the wind range. The integrated abrasion ribs eliminate the need for heavy, bulky reinforcements at the end of the luff sleeve.

UNIQUE FEATURE



SET&GO VARIOTOP

(All sails with vario top apart from the DRIVE CLOTH)

No more trial and error when trying to find the best vario top setting. Even when first rigging up, the correct length of the vario top is found straight away. Clear length indicators mark out the perfect setting with reference to the mast length used, eliminating any need for testing or re-adjustments.

UNIQUE FEATURE



MAST SLEEVE OPENER

Frictionless insertion of the mast into the luff sleeve. An ingenious solution does away with the tedium of inserting the mast. The DUOTONE logo above the boom cutout gently opens the sleeve so that the mast can be threaded with one hand into the luff friction-free, without having to constantly make adjustments to the luff.

UNIQUE FEATURE



TWIN STRAP

(Except for DRIVE CLOTH)

This keeps the sail rolled up and holds the protector to the mast. A brilliantly simple fastening system which keeps the sail compact and closed after being rolled up and, when on the water, holds the mast protector closely to the mast.

UNIQUE FEATURE



TRIPLE TACK ROLLER

(Except for NOW and DRIVE CLOTH)

Find the perfect trim with minimal effort. The integrated, nickel-plated brass triple roller minimizes the downhaul forces tremendously.

UNIQUE FEATURE



INDIVIDUAL BOOM LENGTH INDICATION

The correct boom length without the need for trial and error. Because the boom is attached to the mast at different heights depending on body size, and because this creates a different angle to the mast, the boom length will vary. Specific recommendations for the correct length are printed directly on the luff sleeve at the boom level.

DESIGN/CONSTRUCTION

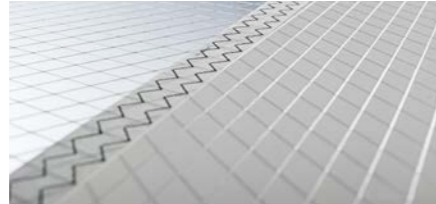
UNIQUE FEATURE



TT TOP

Improved sail control at higher winds. Designer Kai Hopf originally designed the TT TOP for the WARP. The reduced, concave shape improves tension conditions for a more effective, three-dimensional top twist. This means the top twists not only horizontally, but also vertically under strong winds. By completely neutralising gusts of wind, the rig is kept steady in the rider's hands, and thus works in a much larger range of winds.

UNIQUE FEATURE



DOUBLE SEAM TECHNOLOGY

Double the durability with half as much stretch. DUOTONE manufactures products of unmatched quality which gives our sails a significantly longer lifetime. A key feature which helps to achieve this is the triple-stitch zig-zag seams. Unlike other products with their single-seam design, these are double-seam. They cover all exposed crash areas, which increases tear resistance and reduces bending-elongation by up to 50%, boosting profile stability and performance.



PROGRESSIVE CUTAWAY CLEW INCL. CROSS BATTEN

(WARP, S_TYPE SL, E_TYPE from 6.2 and above)
Optimum combination of minimised rotation forces, power, and handling. The CROSS BATTEN concept is the intelligent solution that shifts the draft position downwards while supporting the large surface area in the boom area. It also allows for an early planing profile without losing handling. Ideal in combination with the PROGRESSIVE CUTAWAY CLEW which has an extremely positive influence on the sail's agility and handling, and allows for a shorter, more rigid boom. Both features vary depending on the sail type and size. That is, the more pronounced the CUTAWAY and the longer the CROSS BATTEN, the more flex and comfort achieved, especially when overpowered ("excess" sail area "flexes away" in a controlled manner). The more the sail is geared towards performance, the less pronounced both components are to ensure a more direct acceleration.

UNIQUE FEATURE



DURATECH FOOT

Long-term guarantee for the sail foot. When starting off on the water or catching up, the foot of the sail is constantly dragged over the non-slip coating, particularly for wide boards. With the exclusive DURATECH FOOT, the seams are completely protected within a large plastic channel so that the surface cannot chafe against seams and material.



TWIN TRIM CLEW (WARP)

Wider range of use, custom tuning options. The secret of the TWIN TRIM CLEW is the two horizontally placed clew eyelets. The outer eyelet position provides more power and a more direct feeling, while the inner position gives more control and a gentler riding feel.

MATERIALS

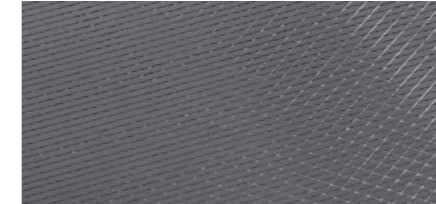
UNIQUE FEATURE



DURA LUFF PATCH

Extremely stable luff reinforcement. The area around the boom cutout is exposed to extreme wear and tear as the luff panel gets folded when inserting and pulling out the mast. This "accordion effect" can lead to tears in the monofilm after a while. The flexible DURA LUFF PATCH reinforces this area making for a soft transition into the monofilm to avoid film breakage.

UNIQUE FEATURE



TRI PLY PLUS 150

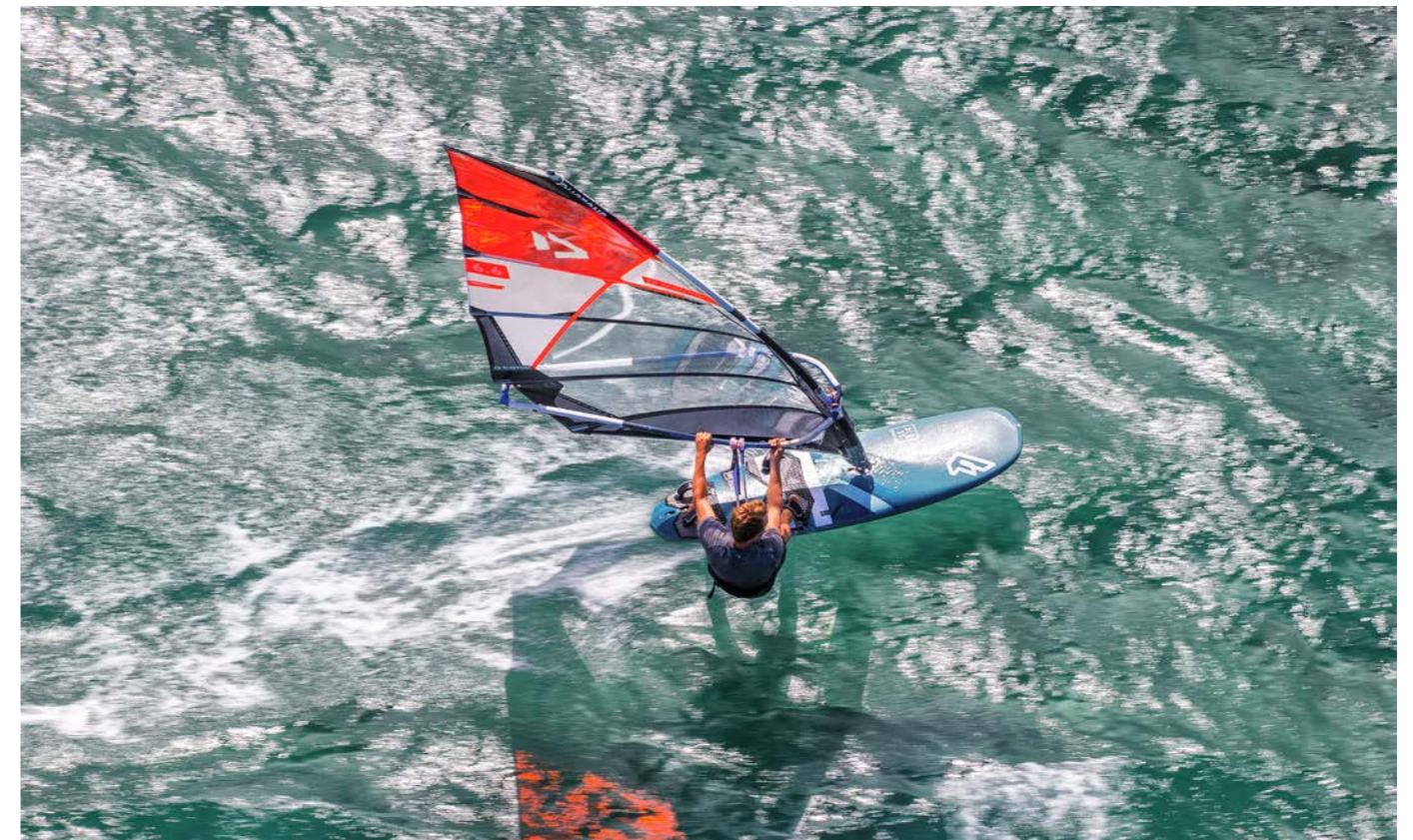
(Super Hero, Super Session, F_Type and Now) 30% higher ripstop strength in the critical foot area. We have developed the TRI PLY PLUS 150 specifically for highly stressed foot areas used in wave and Bump&Jump sails. It consists of two layers of thicker monofilm and a third thread, which together form an extremely durable polyester film/thread construction.

UNIQUE FEATURE



EPOXY BATTEN

Extremely stable, extremely break-resistant. Depending on the range of use, positioning in the sail and the necessary tension, the batten stress is enormous. In order to prevent breakages, we only fit into all solid battens extremely durable epoxy laminates which really can withstand anything and can live up to DUOTONE's promises in terms of longevity.





HARDWARE

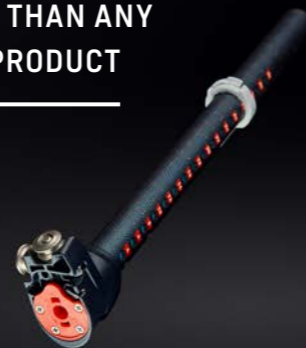
SUPER LIGHT &
ULTRA DURABLE



THE LIGHTEST HARDWARE ON EARTH

SUPER LIGHT &
ULTRA DURABLE

LIGHTER AND STRONGER THAN ANY
OTHER COMPARABLE PRODUCT



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.

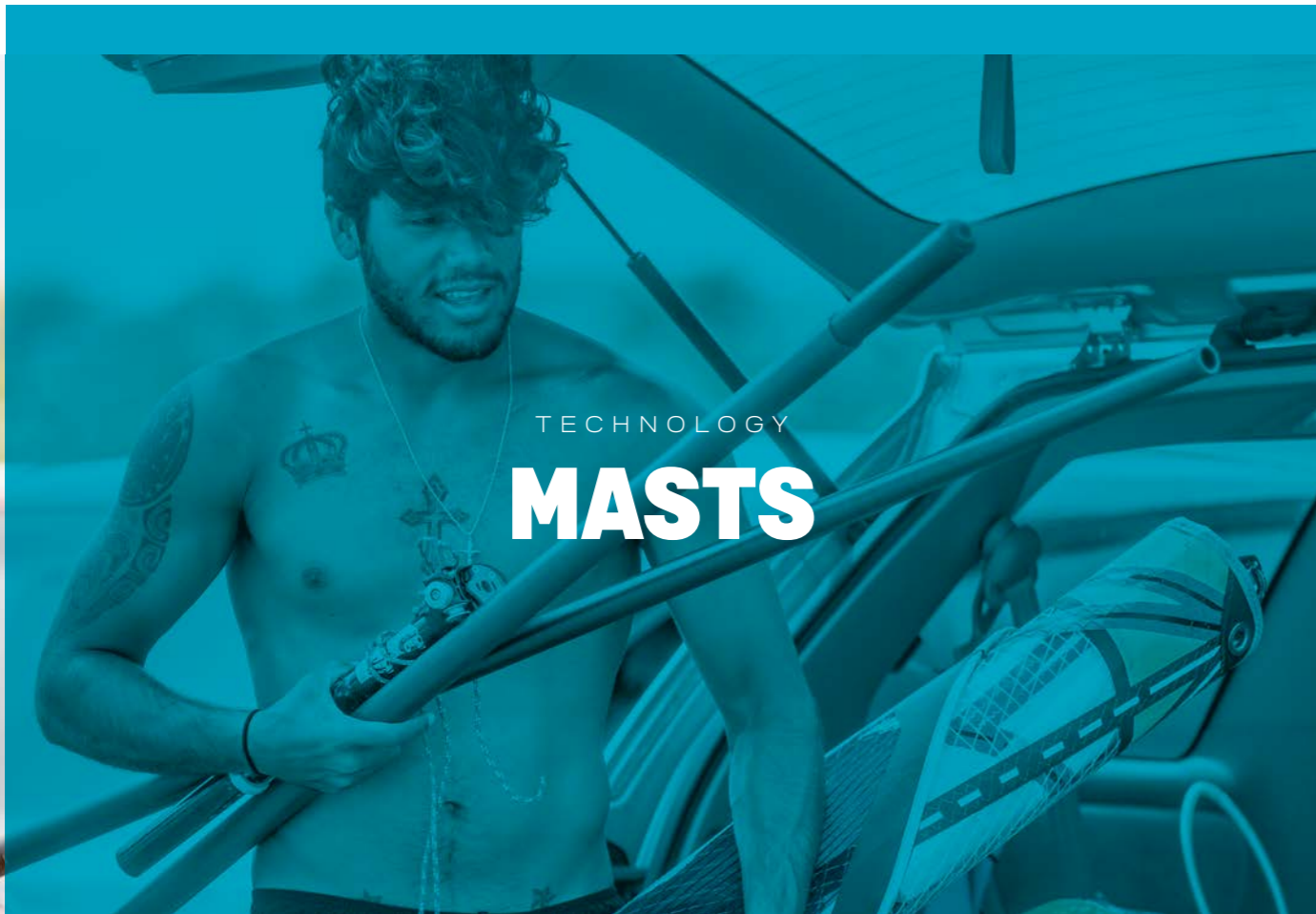
INTEGRATED RIG TECHNOLOGY - THE PERFECT RIG

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**





TECHNOLOGY
MASTS



THE TWO LIGHTEST 100% CARBON RDM MASTS ON THE MARKET



ALL MASTS ARE MANUFACTURED IN EXCLUSIVE DUOTONE SENTEX™ TECHNOLOGY



TWO-YEAR UNLIMITED WARRANTY FOR ALL MASTS
(except for AERO 3.0)*

TECHNOLOGY
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 booms.

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 microns
Hundreds of fibres run along the mast and result in extraordinary flexibility and durability.

SENTEX™ RESIN

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

TECHNOLOGY

MAST FEATURES

All too often, the importance of the mast is heavily underestimated. In reality, it is like the driving fuel of each and every rig. For comparison, with regular petrol it will never be possible for a high-performance engine to reach its potential top-end performance. Only high-octane fuel will unlock the engine's full potential!



RDM VS. SDM

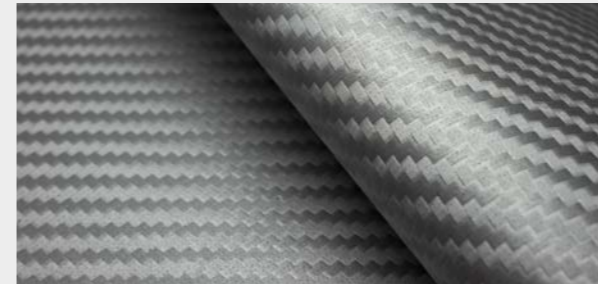
Two diameters – various ranges of use. There are masts in SDM and RDM versions (standard or reduced diameter). Important: RDM masts are only practical up to a height of approx. 430 cm because the smaller cross section results in more flexibility. These are thus primarily suitable for wave or freestyle sails, with the added benefit that they are easier to handle for manoeuvres. For larger performance-sails, the extra surface area produces greater lever forces, which is why harder masts are needed here with larger cross sections (SDM) and more “immediate” flexing.



NATURAL WHITE POLY SHIELD SURFACE PROTECTION

Perfect surface protection under camber and front-end. The POLY.SHIELD coating of the SDM masts consists of highly abrasion-resistant material in order to protect the sensitive carbon near the camber and boom. We are the only brand to use white, uncoloured polyamides for a 20% boost to abrasion resistance. The reasons this is not used on RDM masts is twofold. Firstly, the front-end collar is lined with rubber. And secondly, no cambers are used for these masts. This saves on weight and makes our RDM masts the lightest ever.

CARBON



FOR WIND-SURFING MASTS, THIS MEANS THE FOLLOWING:

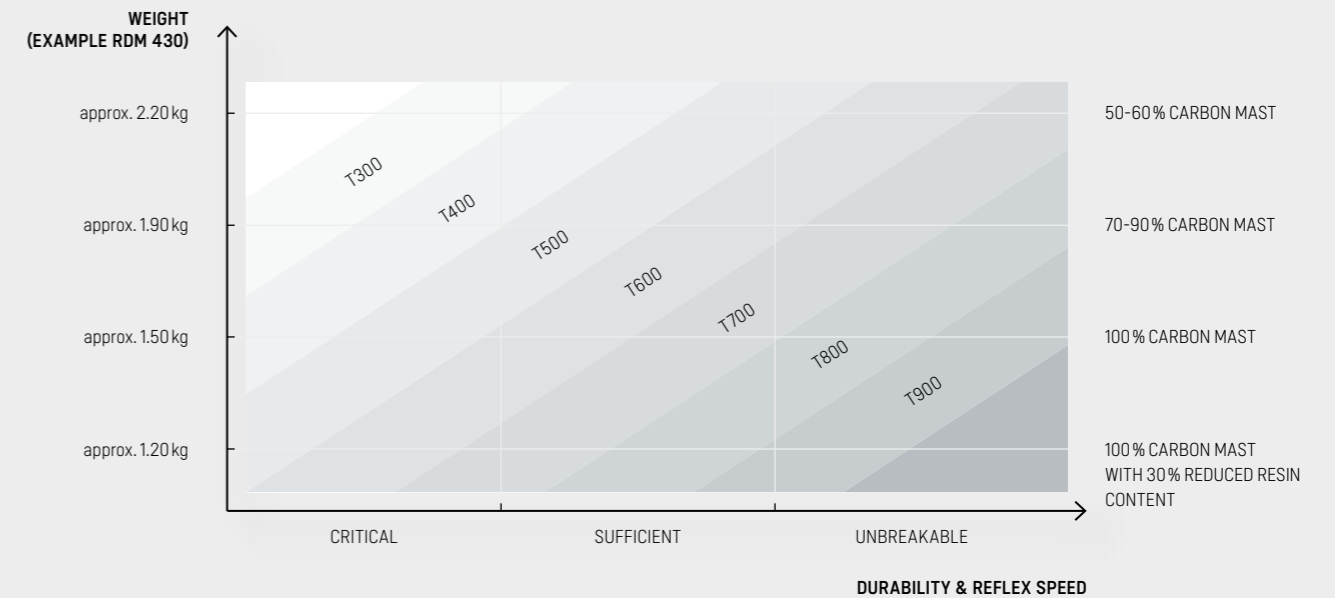
The higher the bending-elongation of the carbon raw material:

- + 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

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.

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 3.0, the amount of resin used is reduced by 30%, making all masts lighter accordingly without compromising on durability.



PLATINUM AERO 3.0 RDM

1 4 9 0 0 - 1 6 1 0



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

100 % CARBON / T900

RDM	-	370	400	430	-	-
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weighs LESS than a kilogram, 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.

2 YEAR UNCONDITIONAL WARRANTY

100 % CARBON / T800

RDM	340	370	400	430	-	-
SDM	-	-	400	430	460	490

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.

PLATINUM RDM / SDM

1 4 9 0 0 - 1 6 0 9



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. All SDM

GOLD.90 RDM / SDM

1 4 9 0 0 - 1 6 0 1



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 the most lightweight and highest

SILVER.70 RDM / SDM

1 4 9 0 0 - 1 6 0 0



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

BLACK.50 RDM / SDM

1 4 9 0 0 - 1 6 1 2



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,

2 YEAR UNCONDITIONAL WARRANTY

90% CARBON / T700

RDM	-	370	400	430	-	-
SDM	-	-	-	430	460	490

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.*

2 YEAR UNCONDITIONAL WARRANTY

70% CARBON / T700

RDM	-	370	400	430	-	-
SDM	-	-	-	430	460	490

adapter not included). One the SDM versions 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.

2 YEAR UNCONDITIONAL WARRANTY

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.



TECHNOLOGY
BOOMS



THE LIGHTEST FRONT END IN THE WORLD



THE LIGHTEST CARBON BOOMS ON THE MARKET



THE TWO LIGHTEST ALUMINIUM BOOMS ON THE MARKET



TWO-YEAR UNLIMITED WARRANTY FOR ALL BOOMS

(excluding AERO 3.0 und BLACK)*

TECHNOLOGY
iFRONT



RDM friction pad



SDM friction pad

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 = 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).

PERFECT FIT GUARANTEED FOR THE SDM AND RDM MASTS

We know of no other front end that fits so spaciouly 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.

TECHNOLOGY

BOOM FEATURES



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 booms 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.



iTAIL RACE FITTING

RIGGING UP WITHOUT THE NEED FOR THREADING – EVEN WITH OUTHAUL SYSTEMS.

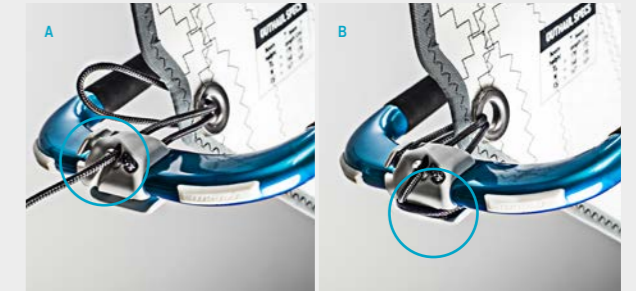
The iTAIL RACE fitting is an absolute highlight because its Teflon POM rollers have attractively low friction characteristics. This completely unique solution also allows the ropes to be looped, even when an outhaul trim system is used, instead of having to waste time threading and knotting again every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



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.



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.



STANDARD FITTING (BLACK)

COMFORTABLE RIGGING-UP.

The reliable tail end with the classic Loop-Loop-Go fitting and proven comfort.

PLATINUM AERO 2.0

14900-1405

14900-1410 (TAILEND)

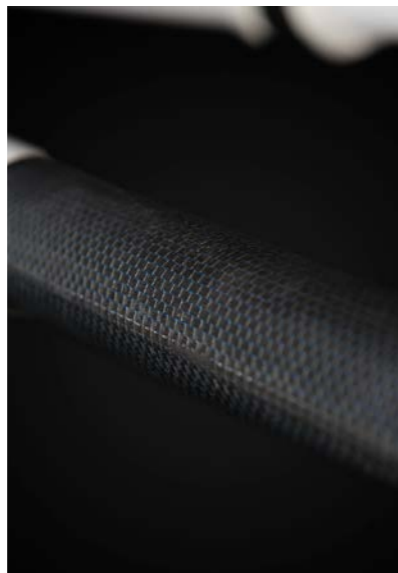
100% PREPREG-CARBON / T900



	SIZES	TAILEND
NEW SCHOOL	140 - 190	INSIDE GRIPPED TAIL WITH iTAIL WAVE FITTING
SLALOM	190 - 250	OUTSIDE TAIL WITH iTAIL RACE FITTING

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: 2.85 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.



PLATINUM

14900-1404

14900-1409 (TAILEND)

100% PREPREG-CARBON / T800



	SIZES	TAILEND
NEW SCHOOL	140 - 180 (MEGA SLIM)	INSIDE GRIPPED TAIL WITH iTAIL WAVE FITTING
	140 - 190	INSIDE GRIPPED TAIL WITH iTAIL WAVE FITTING
	150 - 200	INSIDE GRIPPED TAIL WITH iTAIL WAVE FITTING
HYBRID	160 - 220	INSIDE GRIPPED TAIL WITH iTAIL WAVE FITTING
	170 - 230	INSIDE GRIPPED TAIL WITH iTAIL RACE FITTING
SLALOM	190 - 250	OUTSIDE TAIL WITH iTAIL RACE FITTING
	240 - 290	OUTSIDE TAIL WITH iTAIL RACE FITTING

The super-lightweight carbon PLATINUM in AEROSPACE PREPREG TECHNOLOGY is designed for professional 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 bend curve 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!

SILVER

14900-1401

7075 ALUMINIUM



	SIZES	TAILEND
NEW SCHOOL	140 - 190	INSIDE TAIL WITH iTAIL WAVE FITTING
	150 - 200	INSIDE TAIL WITH iTAIL WAVE FITTING
HYBRID	160 - 220	INSIDE TAIL WITH iTAIL WAVE FITTING
PERFORMANCE	180 - 230	OUTSIDE TAIL WITH iTAIL RACE FITTING
	200 - 250	OUTSIDE TAIL WITH iTAIL RACE FITTING

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 makes the entire SILVER around 30% stiffer. 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 end 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.



BLACK

14900-1400

T8 ALUMINIUM



	SIZES	TAILEND
NEW SCHOOL	140 - 190	INSIDE GRIPPED TAIL WITH STANDARD FITTING
	150 - 200	INSIDE GRIPPED TAIL WITH STANDARD FITTING
CLASSIC	160 - 210	INSIDE GRIPPED TAIL WITH STANDARD FITTING
	180 - 230	INSIDE GRIPPED TAIL WITH STANDARD FITTING

The current BLACK generation is manufactured in high-quality BONDED TECHNOLOGY. In this process, tubes and front end are “welded” using special adhesive used 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 bend curves, the BLACK series fits with almost all sail types from all brands.





TECHNOLOGY

EXTENSIONS & BASES

INNOVATIVE ACCESSORIES FOR BETTER PERFORMANCE
AND MORE TIME ON THE WATER

Some call it obsession. We call it attention to detail. There's even a great deal of potential in an extension and a mastfoot if you reconsider and question previous solutions objectively. This is exactly what our engineers and the team did when developing innovative and high-quality extensions and a completely new mast base system. Durability, universal use, compatibility with third-party products and the lowest possible weight were top priorities in addition to functionality and ease of use. The new range exceeds all requirements by far.



THE REVOLUTIONARY EXTENSION WITH INTEGRATED RATCHET



THE LIGHTEST EXTENSION ON THE MARKET



THE MOST INNOVATIVE STANDARD EXTENSION ON THE MARKET



THE LOWEST AND MOST LIGHTWEIGHT MASTFOOT SYSTEM WITH CENTRAL SCREW

2 YEAR UNCONDITIONAL WARRANTY

TWO-YEAR UNLIMITED WARRANTY FOR ALL EXTENSIONS AND BASES

TECHNOLOGY

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 rope harness downhaul lines and the option to retrofit the damper function – everything has been radically upgraded.

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 highest 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.



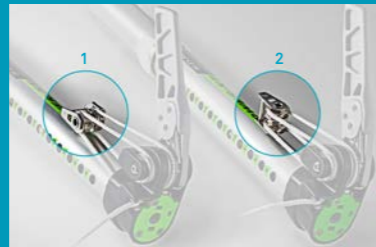
INTEGRATED RATCHET

Advantages when setting up the sail:

- Faster setup: Simply attach the rope loop, pull on the standard cleat and start ratcheting.
- 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 rope 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 rope.



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.

POWER.XT 2.0 AERO RDM 34

14900-7303



WEIGHT: 530 G

POWER.XT 2.0 RDM 36

14900-7304

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 690 G

POWER.XT 2.0 SDM 28/42

14900-7304

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 690 G (28), 770 G (42)

SHOX.UPGRADE.KIT POWER.XT 2.0

14900-7305



ADDITIONAL NET WEIGHT: 70 G (RDM) / 120 G (SDM)

SHOX UPGRADE KIT FOR INNOVATIVE SUSPENSION TECHNOLOGY

The unique DUOTONE SHOX suspension system can be retrofitted to all POWER.XT 2.0 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 sailing through breaking waves cresting a breaking wave. The SHOX UPGRADE KIT is of course available for RDM and SDM POWER.XT 2.0 of all lengths.

TECHNOLOGY

UNI.XT

UNI.XT – the most technically advanced and yet the most lightweight standard aluminum extension we have ever built. Now also built using AERO carbon technology to create the most lightweight extension in the world.

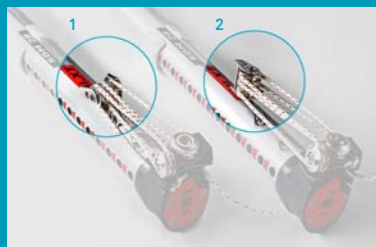
When it comes to standard extensions, everyone has probably experienced some nasty surprises at some point. They rarely fit with the rope alignment on the sail, most of them need high downhaul forces, and often the mechanism for adjusting the height is extremely fiddly. Before designing the

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.



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.



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. The unique arrangement ensures an absolutely frictionless alignment of the rope in combination with 0° tack rollers (e.g. DUOTONE, Neil-Pryde, 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.

UNI.XT AERO RDM 34

14900-7300



WEIGHT: 420 G

UNI.XT RDM 36

14900-7301

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 580 G

UNI.XT SDM 28 / 42

14900-7301

2 YEAR UNCONDITIONAL WARRANTY



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

SHOX.UPGRADE.KIT UNI.XT

14900-7302



ADDITIONAL NET WEIGHT: 70 G (RDM) / 120 G (SDM)

SHOX UPGRADE KIT FOR INNOVATIVE SUSPENSION TECHNOLOGY

The unique DUOTONE SHOX suspension system can be retrofitted to all UNI.XT 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 sailing through breaking waves cresting a breaking wave. The SHOX UPGRADE KIT is of course available for RDM and SDM UNI.XT of all lengths.

TECHNOLOGY

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

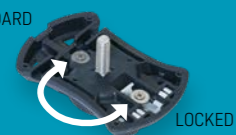
So that the iBASE 2.0 can be installed or removed without the need for tools, it has been designed to include a central screw. Although these designs are normally built relatively high, our engineers have found a solution for making the iBASE 2.0 the lowest base of its kind. Because there is nothing 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!

A.

STANDARD



LOCKED

B.



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.

iBASE 2.0 PLATE

14900-7318

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 105 G

With the iBASE 2.0 you can choose from three very high-quality connection joints which can be harder or softer depending on your preferences.

JOINT

14900-7320 (ONLY)

14900-7316 (INCL. iBASE)

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 200 G

(incl. DUOTONE Pin Long)
This traditional variant uses the legendary, slightly softer original Powerjoint. For safety reasons, an external safety line is attached. Since the built-in DUOTONE pin has been seen as the standard on the market for decades, the joint can be fitted directly to approx. 90% of all mast extensions on the market.
(Note: Not compatible with EPX.XT RDM)

iTENDON

14900-7319 (ONLY)

14900-7315 (INCL. iBASE)

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 150 G

(incl. DUOTONE Pin Short)
With this innovative heavy-duty tendon we have set the bar high in terms of reliability, performance and safety. Instead of the usual PU material of the connecting tendon, a BASF high-tech material is used for the first time, which is about 50% tougher and more durable. The new DYNEEMA SAFETY SYSTEM guarantees maximum safety – a high-quality Dyneema kite line integrated in the BASF tendon that offers maximum safety. Extremely light, extremely tear-resistant and, if the worst comes to the worst, completely non-stretch.

iTENDON.SHOX

14900-7314 (ONLY)

14900-7317 (INCL. iBASE)

2 YEAR UNCONDITIONAL WARRANTY



WEIGHT: 100 G

With the same design as the iTENDON, the SHOX version is equipped with the SHOX attachment instead of the DUOTONE pin. Thus, the iTENDON.SHOX is compatible with all SHOX SERIES extensions and makes the iBASE 2.0 the ideal mastfoot.

TECHNOLOGY

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.25 RDM / SDM MASTS

1 4 9 0 0 - 1 6 2 5



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,

RDM	230	290	340	400	430	-
SDM	-	-	-	-	430	460

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.GROM_AL MAST

1 4 9 0 0 - 1 6 2 0



	200	260/290	300/330	-	-	-	-
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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.CARBON BOOM

1 4 9 0 0 - 1 4 1 2



SIZES	
NEW SCHOOL	140 - 190
HYBRID	175 - 225
PERFORMANCE	190 - 250

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 high 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 bend curves are adapted to the relevant range of use:

- + Length 140 cm with 25 mm tubes and new school bend curve for wave freestyle
- + Length 175 with 29/30 mm tubes, hybrid bend curve and wide tail end for smaller freeride/slalom/race sails
- + Length 190 cm with 29/30 mm tubes, race/slalom bend curve for large slalom/race sails

EPX.AL BOOM

1 4 9 0 0 - 1 4 1 1



SIZES	XXS	XS	S	M
CLASSIC	90-120	125-165	140-185	160-210

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.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 safety line 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 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.

SIZES

4.2 4.7 5.4 5.8 6.4

EPX.CUP RDM

14900-7321



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



TUNING PARTS

UPHAULS



UPHAUL LINE PRO S/L
1 4 9 0 0 - 8 0 0 8

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 COZY S/L
1 4 9 0 0 - 8 0 0 9

Just like UPHUAL PRO, but with extra-fleecy surface material.



UPHAUL GRIPSTER
1 4 9 0 0 - 8 0 1 0

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
1 4 9 0 0 - 8 0 1 1

The ultimate in safety and simplicity. Uphaul with loop that can be 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 LINES
1 4 9 0 0 - 8 0 0 3

22/24/26/28/30/33/36 INCH

Non-stretch ropes with solid hose sheathing



FIXOR PRO LINES
1 4 9 0 0 - 8 0 0 2

22/24/26/28/30 INCH

Can be replaced without having to remove the boom end



VARIO SL LINES
1 4 9 0 0 - 8 0 0 1

22-28 / 28-34 INCH

Length adjustable with corrosion-free plastic buckle. Available in two lengths



VARIO RACE LINES
1 4 9 0 0 - 8 0 0 0

22-28 / 28-34 INCH

Racing ropes with metal buckle; length can be adjusted whilst riding. Available in two lengths



CENTER VARIO LINES
1 4 9 0 0 - 8 0 0 4

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

OUTHHAUL KITS



OUTHHAUL KIT RACE
1 4 9 0 0 - 8 0 1 3

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



OUTHHAUL KIT UNIVERSAL
1 4 9 0 0 - 8 0 1 2

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, light-weight 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.



RDM	40
SDM	40

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 deck shape.



ROOF RACK PAD

14900-8016

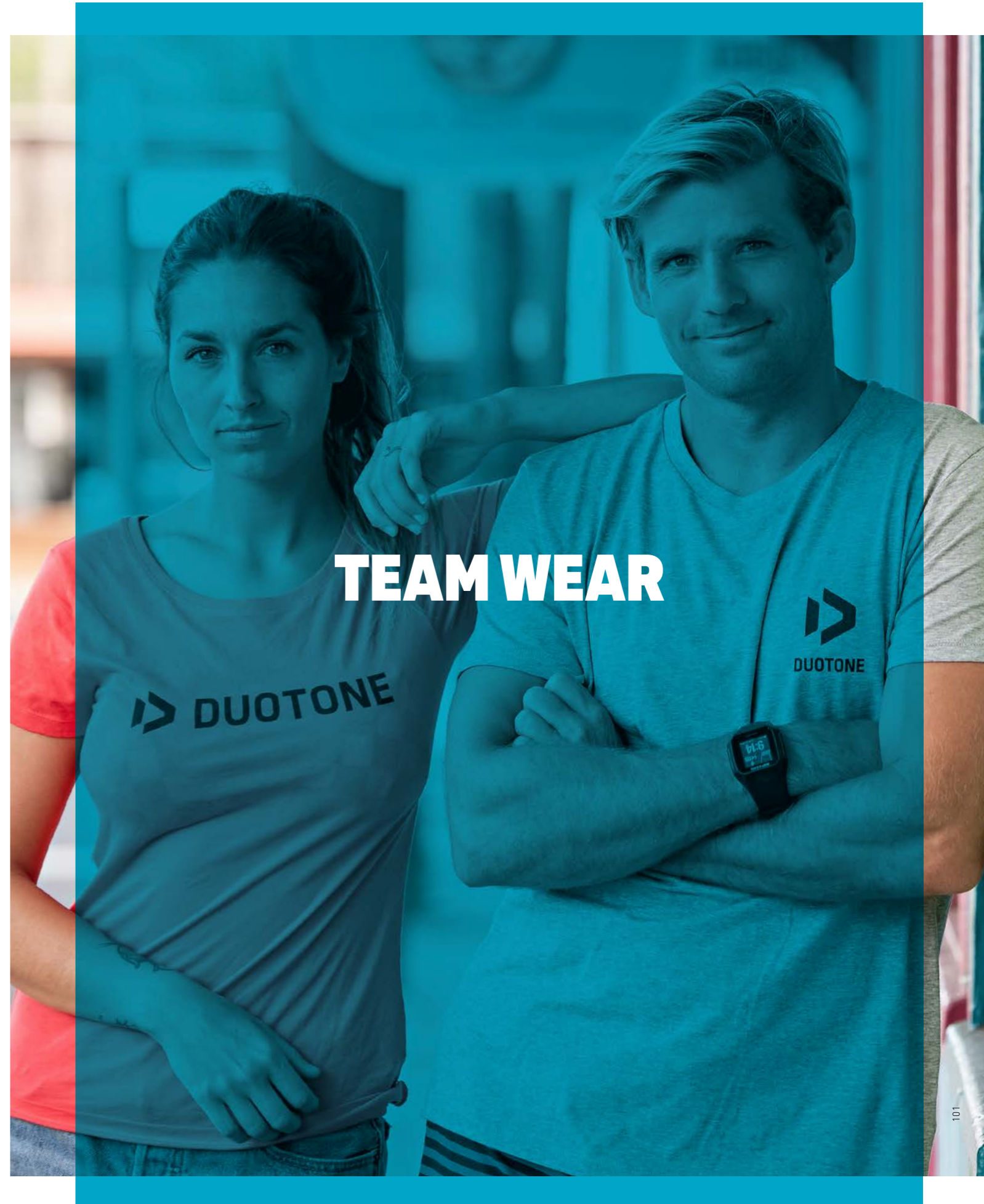
Thickly padded roof rack fittings with Velcro fastenings, suitable for round and angular supports.

QUIVER FLIGHT LIGHT

14900-7000

SMALL = MAST UP TO 430 / LARGE = MAST 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).



MEN

TEE SS DUOTONE
44902-5010



TEE SS INSIDE-OUT
44902-5006



TEE SS RASTERIZE
44902-5008 - WHITE



44902-5008 - BLUEBIRD



TEE SS ORIGINAL
44902-5000 - WHITE



44902-5000 - BLUE



TEE SS POCKET
44902-5002 - BLACK



44902-5002 - ANTIC LILA



TEE SS LOGO
44902-5004



ZIP HOODIE LOGO
44902-5200 - ANTIC LILA



44902-5200 - GREY



BOARDSHORTS 17"
44902-5752



BOARDSHORTS 19"
44902-5750



TEE SS DUOTONE TRUE WS
44902-5012 - BLACK



44902-5012 - WHITE



SWEATER TEAM
44900-5210



PONCHO
44900-7040



TEE SS INSIDE-OUT
44903-5009



TEE SS LOGO
44903-5005



TEE SS ORIGINAL
44903-5001



TEE SS WAVES
44903-5007



TEE SS VELVET
44903-5003



ZIP HOODIE LOGO
44903-5201



NEW ERA - LOGO
44900-5910



NEW ERA - DUOTONE
44900-5911



NEW ERA - JERSEY LOGO
44900-5912



NEW ERA - FRESH
44900-5914



NEW ERA - SURF
44900-5913 - WHITE



44900-5913 - BLUE



NEW ERA - BOLD
44900-5915 - PURPLE-BLUE



44900-5915 - BLUE-RED PLUS YOUTH SIZE



NEW ERA - BUTTON
44900-5916 - BLUE



44900-5916 - BLACK



NEW ERA - LOGO BEANIE
44900-5917 - GREY



44900-5917 - RED



WOMEN

NEW ERA CAPS

UNISEX

OVERVIEW

POWER.XT 2.0



AERO RDM 34

- + Art. No.: 14900-7303
- + Weight: 530g
- + Super light Aero carbon technology
- + **INSIDE SEALING**, avoids any water intake
- + Extension range: 4-34 cm
- + Attention: SHOX upgrade not possible



RDM 36

- + Art. No.: 14900-7304
- + Weight: 690g
- + Extension range: 4 – 36 cm



SDM 28 / 42

- + Art. No.: 14900-7304
- + Weight: 670g
- + Extension range: 2 – 28 cm
- + Art. No.: 14900-7304
- + Weight: 770g
- + Extension range: 2 – 42 cm

2 YEAR UNCONDITIONAL WARRANTY

2 YEAR UNCONDITIONAL WARRANTY

UNI.XT



AERO RDM 34

- + Art. No.: 14900-7300
- + Weight: 420g
- + The lightest extension on earth!
- + **INSIDE SEALING**, avoids any water intake
- + Extension range: 4-34 cm
- + Attention: SHOX upgrade not possible



RDM 36

- + Art. No.: 14900-7301
- + Weight: 580g
- + Extension range: 4 – 36 cm



SDM 28 / 42

- + Art. No.: 14900-7301
- + Weight: 540g
- + Extension range: 2 – 28 cm
- + Art. No.: 14900-7301
- + Weight: 640g
- + Extension range: 2 – 42 cm

2 YEAR UNCONDITIONAL WARRANTY

2 YEAR UNCONDITIONAL WARRANTY

SHOX.UPGRADE.KIT



RDM

- + For Power.XT Art. No.: 14900-7305
- + For Uni.XT Art. No. 14900-7302
- + Net additional weight: 70g



SDM

- + For Power.XT Art. No.: 14900-7305
- + For Uni.XT Art. No. 14900-7302
- + Net additional weight: 120g

iBASE 2.0



iBASE 2.0 PLATE

- + Art. No.: 14900-7318
- + Weight: 110g

2 YEAR UNCONDITIONAL WARRANTY



iBASE+ITENDON

- + Art. No.: 14900-7319 (only 14900-7315 (incl. iBase 2.0)
- + Weight: 260g

2 YEAR UNCONDITIONAL WARRANTY



iBASE+ITENDON.SHOX

- + Art. No.: 14900-7314 (only 14900-7317 (incl. iBase 2.0)
- + Weight: 210g

2 YEAR UNCONDITIONAL WARRANTY



iBASE+JOINT (INCL. LONG PIN)

- + Art. No.: 14900-7320 (only 14900-7316 (incl. iBase 2.0)
- + Weight: 310g

2 YEAR UNCONDITIONAL WARRANTY

RACE × PERFORMANCE

FREESTYLE × WAVE

WARP WORLD CUP SLALOM 14900-1214



C04

SIZES	4.7 SPEED	5.4	6.2	7.0	7.7	8.4	9.0	9.4
BOOM MAX (CM)	177	179	202	213	221	231	241	247
LUFF MAX (CM)	405	412	426	453	484	504	516	528
BATTENS	7	7	7	7	7	7	7	7
CAMBER	4	4	4	4	4	4	4	4
WEIGHT (KG)	4,60	4,90	5,20	5,50	6,00	6,30	6,50	6,70
MAST GEOMETRY	BEST	SDM	SDM	SDM	SDM	SDM	SDM	SDM
	ALT.	-	-	-	-	-	-	-
MAST LENGTH (CM)	BEST	400	400	400	430	460	490	490
	ALT.	-	-	-	-	-	-	-



S_TYPESL PERFORMANCE SWITCH CAM 14900-1213



C01 C02

SIZES	6.0	6.6	7.3	7.8	8.3	8.8	9.3
BOOM MAX (CM)	197	210	215	227	230	235	242
LUFF MAX (CM)	433	444	464	474	495	509	519
VARIO TOP	.	.	-	-	-	-	-
BATTENS	6	6	7	7	7	7	7
CAMBER	3/2	3/2	3/2	3/2	3/2	3/2	3/2
WEIGHT (KG)	4,80	5,00	5,20	5,40	5,60	5,80	6,00
MAST GEOMETRY	BEST	SDM	SDM	SDM	SDM	SDM	SDM
	ALT.	-	-	-	-	-	-
MAST LENGTH (CM)	BEST	430	430	460	460	490	490
	ALT.	460	460	-	-	460	-



E_TYPE/(HD) PERFORMANCE NO CAM 14900-1211 /-1212 (HD)



C02 C07 HD

SIZES	5.4	5.8	6.2	6.6	7.3	7.8	8.2
BOOM MAX (CM)	175	179	188	194	203	207	219
LUFF MAX (CM)	428	434	442	462	472	480	496
VARIO TOP	.	-	-	-	-	-	-
BATTENS	6	6	6	6	6	7	7
CAMBER	-	-	-	-	-	-	-
WEIGHT (KG)	3,90	4,10	4,30	4,50	4,70	5,00	5,30
MAST GEOMETRY	BEST	SDM	SDM	SDM	SDM	SDM	SDM
	ALT.	RDM	RDM	RDM	RDM	-	-
MAST LENGTH (CM)	BEST	430	430	430	460	460	460
	ALT.	400	-	-	430	-	490



C01

IDOLLTD ULTRALIGHT FREESTYLE COMP 14900-1206

SIZES	3.6	4.0	4.4	4.8	5.2	5.6
BOOM MAX (CM)	142	145	149	155	159	167
LUFF MAX (CM)	374	385	401	419	435	443
VARIO TOP	.	-	-	-	-	-
BATTENS	4	4	4	4	4	4
WEIGHT (KG)	2,40	2,55	2,70	2,90	3,00	3,15
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM
	ALT.	-	-	-	-	-
MAST LENGTH (CM)	BEST	340	370	370	400	430
	ALT.	370	-	-	-	400



SUPER SESSION/(HD) FREE WAVE 14900-1207 /-1208 (HD)



C02 C07 HD

SIZES	4.0	4.4	4.8	5.2	5.6	6.0	6.4
BOOM MAX (CM)	152	158	165	171	176	179	186
LUFF MAX (CM)	382	398	413	434	441	456	466
VARIO TOP	.	.	.	-	-	-	-
BATTENS	5	5	5	5	5	5	5
WEIGHT (KG)	3,00	3,20	3,40	3,60	3,80	4,00	4,20
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM	RDM
	ALT.	SDM	SDM	SDM	SDM	SDM	SDM
MAST LENGTH (CM)	BEST	370	370	400	400	430	430
	ALT.	400	400	430	430	-	-



SUPER HERO/(HD) WAVE ALL IN ONE 14900-1200 /-1203 (HD)



C01 C11 C20 HD

SIZES	3.0	3.4	3.7	4.0	4.2	4.5	4.7	5.0	5.3	5.7	5.9	6.3	6.7
BOOM MAX (CM)	140	146	147	151	153	158	163	168	171	177	179	185	189
LUFF MAX (CM)	351	357	360	371	380	390	404	410	422	438	444	452	463
VARIO TOP	.	.	.	.	.	.	-	-	-	-	-	-	-
BATTENS	4	4	4	4	4	4	4	4	4	4	5	5	5
WEIGHT (KG)	2,70	2,80	2,90	3,00	3,10	3,20	3,30	3,40	3,50	3,60	3,90	4,10	4,30
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	SDM
	ALT.	-	-	-	-	-	-	-	-	-	-	SDM	RDM
MAST LENGTH (CM)	BEST	340	340	340	370	370	370	400	400	400	430	430	460
	ALT.	370	370	370	400	400	400	370	-	-	-	-	430

SPECIALS FOIL

SPECIALS

5²⁺³
YEAR
WARRANTY

WARP FOIL FOIL RACING 14900-1215



C04

SIZES		7.8	8.8	9.8
BOOM MAX (CM)		TBA	TBA	TBA
LUFF MAX (CM)		TBA	TBA	TBA
BATTENS		7	7	7
CAMBER		4	4	4
WEIGHT (KG)		6,00	6,50	6,80
MAST GEOMETRY	BEST	SDM	SDM	SDM
	ALT.	-	-	-
MAST LENGTH (CM)	BEST	460	490	490
	ALT.	-	-	-

5²⁺³
YEAR
WARRANTY

F_TYPE FOIL RIDING 14900-1210



C02

SIZES		5.8	6.8
BOOM MAX (CM)		180	196
LUFF MAX (CM)		436	466
BATTENS		4	4
CAMBER		2/0	2/0
WEIGHT (KG)		4,00	4,50
MAST GEOMETRY	BEST	RDM	SDM
	ALT.	-	RDM
MAST LENGTH (CM)	BEST	430	460
	ALT.	400	430



C07

NOW SMALLER-FRAME RIDERS 14900-1218

SIZES		2.4	2.8	3.2	3.6	4.0	4.4
BOOM MAX (CM)		129	135	141	147	154	161
LUFF MAX (CM)		268	293	324	341	365	379
VARIO TOP		.	.	.	.	-	-
BATTENS		3	3	3	3	3	3
WEIGHT (KG)		1,90	2,00	2,10	2,20	2,30	2,40
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM	RDM
	ALT.	-	-	-	-	-	-
MAST LENGTH (CM)	BEST	290	290	290	340	340	370
	ALT.	-	-	340	370	370	-



C01 C02 C01 C02

DRIVECLOTH SCHOOLING 14900-1219

SIZES		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.7	6.4
BOOM MAX (CM)		114	114	127	137	158	164	172	175	180	185	194
LUFF MAX (CM)		196	235	283	324	325	356	386	415	444	444	472
VARIO TOP		.	.	.	.	.	.	.	.	.	-	-
BATTENS		0	0	0	0	2,5	2,5	2,5	2,5	3	4,5	4,5
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	RDM	SDM
	ALT.	-	-	-	-	-	-	-	-	-	-	-
MAST LENGTH (CM)	BEST	200	200	290	290	290	340	370	400	430	430	460
	ALT.	230	230	-	340	340	370	400	430	-	-	-



C07

EPX 14900-1218

SIZES		4.2	4.7	5.4	5.8	6.4
BOOM MAX (CM)		161	169	179	183	192
LUFF MAX (CM)		389	416	439	451	457
VARIO TOP		.	.	-	-	-
BATTENS		5	5	5	5	5
WEIGHT (KG)		3.20	3.40	3.60	3.80	4.00
MAST GEOMETRY	BEST	RDM	RDM	RDM	RDM	RDM
	ALT.	SDM	SDM	SDM	SDM	SDM
MAST LENGTH (CM)	BEST	400	400	430	430	430
	ALT.	430	430	-	-	-

PLATINUM AERO 2.0

14900-1405
14900-1410 (TAILEND)

KEY FEATURES

THE LIGHTEST AND MOST EXCLUSIVE BOOM ON EARTH!

- Material: 100% T900 Carbon Prepreg + **SENTEX™** Resin
- Front-end: **iFRONT 2.0**
- Tail-end 140: **INSIDE GRIPPED TAIL** with **iTAIL WAVE FITTING**
- Tail-end 190: **OUTSIDE TAIL** with **iTAIL RACE FITTING**



	NEW SCHOOL	SLALOM
LENGTH (CM)	140 - 190	190 - 250
WEIGHT (KG)	1.95	2.85
BOOM DIAMETER (MM)	27.5	30
ADAPTER INCL.	RDM	SDM

PLATINUM

14900-1404
14900-1409 (TAILEND)



KEY FEATURES

THE MOST USED BOOM AMONG PWA COMPETITORS!

- Material: 100% T800 Carbon Prepreg + **SENTEX™** Resin
- Front-end: **iFRONT 2.0**
- Tail-end 140/150/160: **INSIDE GRIPPED TAIL** with **iTAIL WAVE FITTING**
- Tail-end 170: **INSIDE GRIPPED TAIL** with **iTAIL RACE FITTING**
- Tail-end 190/240: **OUTSIDE TAIL** with **iTAIL RACE FITTING**



		NEW SCHOOL	HYBRID	SLALOM				
LENGTH (CM)	MEGA.SLIM 140 - 180	140 - 190	150 - 200	160 - 220	170 - 230	190 - 250	240 - 290	
WEIGHT (KG)		2.05	2.20	2.25	2.40	2.65	3.25	3.50
BOOM DIAMETER (MM)		24.5	27.5	27.5	28	28.5	30	30
ADAPTER INCL.		RDM	RDM	RDM	RDM+SDM	SDM	SDM	SDM

SILVER

14900-1401



KEY FEATURES

THE LIGHTEST AND MOST INNOVATIVE BOOM IN ITS CLASS!

- OVAL TAIL-SECTION** ^{NEW} increases boom stiffness by 30% (patent pending)
- Material: 7075 aluminum with **PROTECTION GRIP**
- Front-end: **iFRONT 2.0**
- Tail-end: **INSIDE GRIPPED TAIL** with **iTAIL WAVE FITTING**



	NEW SCHOOL	HYBRID	PERFORMANCE		
LENGTH (CM)	140 - 190	150 - 200	160 - 210	180 - 230	200 - 250
WEIGHT (KG)	2.35	2.45	2.55	2.75	2.95
BOOM DIAMETER (MM)	28	28	28	30	30
ADAPTER INCL.	RDM	RDM	RDM+SDM	SDM	SDM

BLACK

14900-1400

KEY FEATURES

THE LIGHTEST BOOM IN ITS CLASS!

- Material: T8 aluminum
- Front-end: **iFRONT 2.0**
- Tail-end: **INSIDE GRIPPED TAIL** with **STANDARD FITTING**



	NEW SCHOOL	CLASSIC		
LENGTH (CM)	140 - 190	150 - 200	160 - 210	180 - 230
WEIGHT (KG)	2.40	2.50	2.60	2.80
BOOM DIAMETER (MM)	28	28	30	30
ADAPTER INCL.	RDM	RDM	SDM	SDM

PLATINUM AERO 3.0 RDM

14900-1610

KEY FEATURES

THE LIGHTEST RDM MAST ON EARTH!

- Resin quality: **SENTEX™**
- Special: **D4 SHIELD** (base only)
- Comes with padded mast bag



	RDM	RDM	RDM
MAST LENGTH (CM)	370	400	430
IMCS	17	19	21
WEIGHT (KG)	0.98	1.20	1.35
CARBON (%)	100	100	100
CARBON QUALITY	T900	T900	T900

PLATINUM RDM / SDM

14900-1609



KEY FEATURES

THE LIGHTEST RDM MAST IN ITS CLASS!

- Resin quality: **SENTEX™**
- Outside protection: **NATURAL WHITE POLYAMIDE** (SDM)
- Comes with padded mast bag



	RDM	RDM	RDM	RDM	SDM	SDM	SDM	SDM
MAST LENGTH (CM)	340	370	400	430	400	430	460	490
IMCS	15	17	19	21	19	21	25	28
WEIGHT (KG)	1.1	1.20	1.35	1.55	1.50	1.55	1.70	1.95
CARBON (%)	100	100	100	100	100	100	100	100
CARBON QUALITY	T800	T800	T800	T800	T800	T800	T800	T800

GOLD.90 RDM / SDM

14900-1601



KEY FEATURES

UPGRADED WITH 10% ADDITIONAL CARBON FOR IMPROVED DURABILITY AND REFLEX / PERFORMANCE

- Resin quality: **SENTEX™**
- Outside protection: **NATURAL WHITE POLYAMIDE** (SDM)
- Comes with padded mast bag



	RDM	RDM	RDM	SDM	SDM	SDM
MAST LENGTH (CM)	370	400	430	430	460	490
IMCS	17	19	21	21	25	28
WEIGHT (KG)	1.45	1.55	1.75	1.75	2.00	2.20
CARBON (%)	90	90	90	90	90	90
CARBON QUALITY	T700	T700	T700	T700	T700	T700

SILVER.70 RDM / SDM

14900-1600



KEY FEATURES

UPGRADED WITH 10% ADDITIONAL CARBON FOR IMPROVED DURABILITY AND REFLEX / PERFORMANCE

- Resin quality: **SENTEX™**
- Outside protection: **NATURAL WHITE POLYAMIDE** (SDM - base only)



	RDM	RDM	RDM	SDM	SDM	SDM
MAST LENGTH (CM)	370	400	430	430	460	490
IMCS	17	19	21	21	25	28
WEIGHT (KG)	1.70	1.85	2.00	2.20	2.25	2.35
CARBON (%)	70	70	70	70	70	70
CARBON QUALITY	T700	T700	T700	T700	T700	T700

BLACK.50 RDM / SDM

14900-1612



KEY FEATURES

- Resin quality: **SENTEX™**



	RDM	RDM	RDM	SDM	SDM	SDM
MAST LENGTH (CM)	370	400	430	430	460	490
IMCS	17	19	21	21	25	28
WEIGHT (KG)	1.90	2.20	2.35	2.40	2.80	3.10
CARBON (%)	50	50	50	50	50	50
CARBON QUALITY	T600	T600	T600	T600	T600	T600

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