

WINDSURF TECHNOLOGY
SINCE 1981

NORTH SAILS WIND SURFING 2018



NORTH-WINDSURF.COM

GERMAN ENGINEERING MEETS MAUI SAIL DESIGN

Combining German perfectionism with Hawaiian soul makes the NorthSails ethos very unique. Our engineers work tirelessly to the highest quality standards whilst the design and test team based in Maui push the gear and sports boundaries to the very limit.



We are proud

SUPER HOT IN 2018

WINDSURF TECHNOLOGY SINCE 1981



SUPER HERO

THE „one for all“ Wave sail! Due to size-specific layouts the SUPER HERO covers the complete wave-spectrum. Pain of choice is yesterday’s problem.



SUPER SESSION

The first fully dedicated freewave sail combines ease of handling with a sensationally crisp direct riding feel. Perfect from Bump&Jump to moderate waves, especially under the harshest conditions.

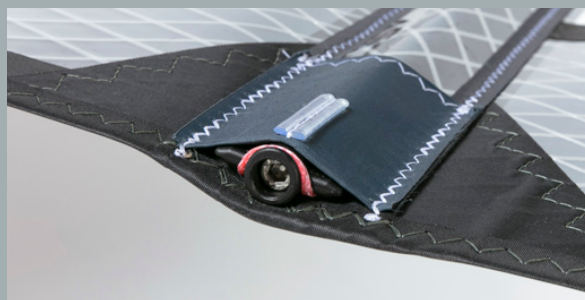


NOW

The ultra-modern sail specifically designed for a smaller frame and lighter rider.

iROCKET 2.0

From now on, all sails come with torque-calibrated batten tension, which must NOT be readjusted. This means: don’t rack your brain about the right tension, maximum performance always guaranteed and no more re-trimming!



Ultra light/ultra durable

THE NORTHSAILS QUALITY GUARANTEE

NO OTHER BRAND OFFERS ANYTHING COMPARABLE

NorthSails offers the lightest rig components on the market in every category and class. For unique handling and outstanding dynamics. To ensure maximum durability, we define the optimum material composition for each product, the best possible production method

and hard-wearing testing systems. This gives us the confidence of being able to guarantee longevity despite minimal weight, even at extreme loads:



2+3.YEAR.WARRANTY for all sails (except IDOL LTD and WARP)

Overpowered or hardcore wipe-out: We are not afraid of extreme loads, because our sails are made for this. It’s what we stand for. As proof, for almost all sails we grant our unrivalled 2 + 3 years warranty * (monofilm excluded)!



2.YEAR.UNCONDITIONAL.WARRANTY for almost all rigging components (except EPX, Red and Platinum Aero)

Whether it’s masts, booms, extensions or accessories, they all come with NorthSails unique quality. All these products stand out not only through performance, but also through outstanding durability. We stand by our word with an unlimited guarantee for two years!*

* In order to secure guarantee claims, please register within 30 days after purchase under the following link: www.north-windsurf.com/support/warranty-registration. Otherwise, only the statutory warranty claims apply!



Lowest weight - Highest Quality

ULTRA DURABLE

Durability, part of the NorthSails quality has always been one of the defining characteristics of our products - and it stays that way. Because despite lighter sails and components we hold firmly to the course of our tried and true quality claim. This is ensured by new

constructions, higher quality and more effectively used materials combined with new processing technologies. The legendary NorthSails longevity is therefore retained completely, which we guarantee for you as always for many years! *

Lowest weight - Highest Quality

ULTRALIGHT

Reduced mass and swing weight requires less power, concentration and technique. Meaning the lighter the material, the more playful, longer, faster and more efficiently you're able to windsurf. Therefore for 2018 we have revised the construction of all our sails and rig

components, selected the best available materials and optimized production processes. The results have surpassed even our own wildest expectations: No other brand can offer as lightweight products as we do!



*Monofilm construction



Why North?

FUNCTION & INNOVATION

There are countless reasons why it makes more sense to invest into a tried and tested NorthSails product rather than a supposedly more favorable "bargain". A few of the arguments that you

should think about, you can find here. Everything else you can find out on the water. Then you will know why we stand for WINDSURF TECHNOLOGY since more than 35 years.

RIG COMPONENTS THAT TRULY MATCH THE NEEDS OF THE WINDSURF WORLD



We are not just putting together short-lived marketing products, but developing windsurfing equipment that remains state-of-the-art over several years and is being constantly optimized. The best proof of this is the legendary NorthSails long-term compatibility of our rig components.

HIGHEST QUALITY



Performance has a strong correlation with quality, this fact is always at the foreground of our thinking. So it's not a surprise that the majority of surf centers worldwide have chosen our brand; because nowhere else are sails so heavily strained and in use 24-7.

RANGE SPECIFIC CONSTRUCTIONS



It's clear that a 'Wave' sail is opposed to higher forces than a 'Freeride' sail. As a logical consequence we have individually adjusted the construction according to the conditions and sail type. This we call 'RANGE.SPECIFIC.CONSTRUCTION', which allows us to achieve the ideal balance between weight and durability for every single sail. To back this up we offer you our unique 2+3.YEAR. WARRANTY

DESIGNED AND ENGINEERED IN GERMANY



While the majority of our competitors develop their products in the Far East, we still engineer and design all our hardware products in Germany. Whether it's for sails or for complex engineering components such as the boom front-end or the POWER.XT 2.0 series or the new iBASE 2.0 – we always look for highly experienced and fully qualified engineers to develop functional and high-quality NorthSails products in cooperation with national partners.

UNIQUE FEATURES



On all of our sails performance always comes first, for which we develop the highest performing profiles. Allowing everyone to mobilize the maximum sail power, we've introduced countless, NorthSails-specific "trimming tools". From simplified trimming, minimizing rigging forces to perfect rig control when overpowered – our goal is to provide top performance with the least possible effort.

SUSTAINABILITY

Due to the material demands of Windsurfing sails it's a pretty complicated subject. However sustainability is something North Sails is extremely committed to.

1. Whenever possible to avoid unnecessary environmental pollution we prefer to use national partners. Focusing on booms and extensions as the only brand to produce primarily in Germany.
2. Using 100% European raw materials to shorten transport routes.
3. Through the cooperation with a company that can demonstrate the exclusive use of solar energy and a fully CO²-neutral production, we contribute to sustainable and environmentally friendly products and production processes.



CO² FOOTPRINT



TEAM & DEVELOPMENT

THE TEAM

Top athletes and World Cup Racers are our driving force, our most important source of innovation. Therefore, we put particular emphasis on continuous communication between them, the engineers and head designer Kai Hopf. Through this intensive interaction we've secured numerous World Cup victories and world titles, making us one of the most successful sail brands in history. This speaks not only for the outstanding performance of our products, but also guarantees every NorthSails customers the same high quality material as used by the best in the world!

INNOVATION FOLLOWS FUNCTION

No matter what we develop or test, we always put function over innovation. Of course new ideas are great, but they only make sense when they offer real benefits. At NorthSails we're 100% practice-oriented and are always thinking about the final serial product. For example all our prototypes are made in the serial production factory instead of custom-made in a loft.

Kai Hopf

THE SAIL DESIGNER



Our Australian former world cup winner and the mastermind behind the sails, is one of the most influential sail makers worldwide. Kai, who also develops high-grade fin profiles for some of the best Windsurfers and Kites, still prefers to spend most of his time on the water, not only to thoroughly test the designs but to also live his passion.

Kai has been the head of sail development here at NorthSails since 25 years; this is longer than any other designer has worked for a single sail brand. This kind of experience is quite simply immeasurable and irreplaceable

TEAM

E-42

VICTOR FERNÁNDEZ

PWA Wave World Champion 2010+2016

WAVE TEAM



FRA-14

PIERRE MORTEFON

PWA Slalom Vice World Champion 2015+2016

RACE TEAM



V-10

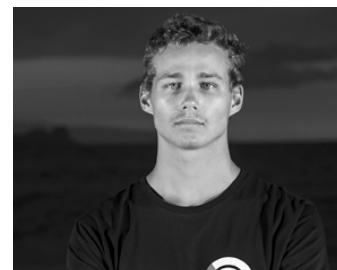
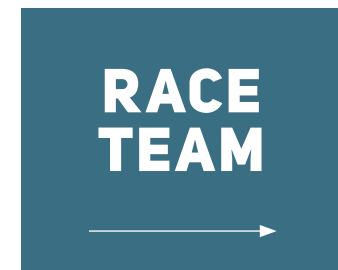
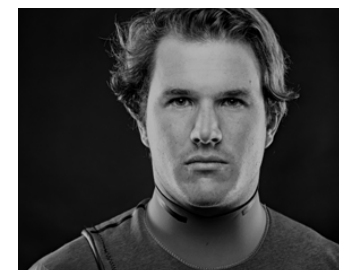
JOSÉ "GOLLITO" ESTREDO

7 x PWA Freestyle World Champion

FREESTYLE TEAM



WAVE TEAM

G-4
KLAAS VOGETE-95
ALESSIO STILLRICHK-516
ADAM LEWISFRA-1111
ARTHUR ARUTKINFRA-111
ALICE ARUTKINESP-2
MARIÁ ANDRÉSG-1
VINCENT LANGER
IFCA World Champion 2015/16AUT-66
MARCO LANGNED-69
JORDY VONKFRA-118
MARION MORTEFONSUI-96
DANI AEERLIF-296
ADRIEN BOSSONAUT-97
MAX MATISSEKITA-988
RICCARDO MARCAH-131
ARRIANNE AUKESRUS-11
YEGOR
POPRETINSKIYV-26
YOLI DE BRENDT



SAIL PROFILE




The image displays three different sail profiles for a boat, arranged horizontally. Each profile is shown from a perspective view, highlighting its curved shape and various color sections. The leftmost sail features a white base with red and orange accents and the word 'SOLAR' visible. The middle sail has a white base with blue and orange accents and the word 'SOLAR' visible. The rightmost sail has a white base with green and orange accents and the word 'SOLAR' visible. All three sails have a black top section and a black bottom section.

FURTHER DETAILS			
	Moderate CUTAWAY.CLEW >> less blow-out effect leads to maximum power and direct acceleration	Moderate CUTAWAY.CLEW >> less blow-out effect leads to maximum power and direct acceleration	Medium CUTAWAY.CLEW >> ideal compromise between performance and comfort
	Top to bottom leading edge Kevlar stripe >> reduced fore and aft movement of the mast avoids losing stability	AERO.SLEEVE 2.0: increased double-foiled luff sleeve in the boom area >> optimized aerodynamics leads to maximum performance / narrow sleeve width in the upper sail >> fast water starting	PROGRESSIVE.BATTEN.LAYOUT (6 or 7 battens depending on the size) >> ideal compromise between stability and low weight
	Large double-foiled luff sleeve >> optimized aerodynamics leads to maximum performance	Super deep foot profile >> maximized planing power	Super deep foot profile >> maximized planing power



						MULTI-FIN	SINGLE-FIN	MULTI-FIN	SINGLE-FIN
IDEAL WAVE BOARD									
	PLANING				STABILITY	PLANING	STABILITY	PLANING	STABILITY
PLANING <> DRAFT									
	NEW-SCHOOL				CLASSIC	NEW-SCHOOL	CLASSIC	NEW-SCHOOL	CLASSIC
FREESTYLE ABILITY									
	LOW WEIGHT				DURABILITY	LOW WEIGHT	DURABILITY	LOW WEIGHT	DURABILITY
WEIGHT <> DURABILITY									
						Super Session		Super Hero	
						Super Session HD		Super Hero HD	

SAIL PROFILE


BATTEN CONFIGURATION	4 batten layout for maximum handling and minimum weight	5 batten design for an ideal mix of handling and stability	4 or 5 batten layout for maximum handling and lowest weight
HORIZONTAL DRAFT POSITION	Very forward >> immediately goes neutral during maneuvers	Forward oriented draft for a crisp and very light feel	Draft back >> balanced pull on both hand ideal for multi-fin wave-boards
VERTICAL DRAFT POSITION	High >> generates maximum lift for jumped tricks	Higher vertical draft position: generates lift for improved planing power and an upright sailing position	Medium-low >> great stability despite fewer battens

FURTHER DETAILS	<p>Super high clew >> allows fastest possible ducking to avoid losing any speed</p> <p>DACRON+ODL.DOUBLE.LUFF-PANEL >> generates maximum lift for all jumps against the sail</p> <p>4mil ULTRA.FILM + 3 tube-battens + iROCKET tensioner + MINI.PROTECTOR >> lightest freestyle monofilm sail on the market</p>	<p>Sail design with wide trim-range allows to trim the sail with less or more loose leech so that you can cover a very large wind range. Also allows to individually adjust the sail feeling according to the sailors preferences (stiffer / more direct or more elastic / more comfortable)</p>	<p>Reduced loose leech >> great low-end power</p> <p>Greater gap between batten #3 and 4 >> less resistance for the wind to fill out the sail making for increased low end power and improved on-off on the wave</p>
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SAILS

RACE X PERFORMANCE

RANGE 2018



WARP F2018

WORLD CUP SLALOM



6 out of 7 won eliminations during the 2015 racing season have made the WARP 9.0LW become the most successful slalom sail in PWA history. Extreme propulsion, incredibly fast, uncompromisingly designed to win. It is the ultimate World Cup racing sail. Due to NO.COMPROMISE.DESIGN the WARP F2018 generates better low-end power and acceleration. Start after start and jibe after jibe more acceleration than anything else without becoming physical. That allows you to reserve energy over the entire racecourse and to keep a clear head for tactics. Combined with the unrivaled soft camber rotation, the new WARP F2018 therefore is not just the first choice for World Cup riders but for aspiring freeriders alike.



**"ALL WARP F2018 SIZES ARE
BASED ON THE LEGENDARY 2016
9.0LW DESIGN WHICH IS STILL
PERCEIVED AS THE REFERENCE
AMONG ALL PWA RIDERS."**

PIERRE MORTEFON



WARP F2018

WORLD CUP SLALOM

SIZES

- 4.7 [Speed]
- 5.4
- 6.2
- 7.0
- 7.7
- 8.4
- 9.0
- 9.4



Art. No.
14800-1214

KEY FEATURES

- › **NO.COMPROMISE.DESIGN** Guarantees an ideal mix of maximum power and forward pull without losing stability/wind-range or becoming super physical

› **SIZESPECIFIC.DESIGN** Thanks to three different, size-dependent concepts each sail size is individually matched to the wind strength

› **7.BATTEN.DESIGN** Makes the WARP F2018 the lightest monofilm Slalom sail on the market

› Less weight due to **MINI.PROTECTOR** and super light **IROCKET 2.0** batten tensioner
- › **MODERATE.CUTAWAY.CLEW** Less blow out / hinge-effect for more power and more direct acceleration

› **HYPER.CAM** Again and again confirmed through magazine tests worldwide: The best rotating camber on the market

› **ON.THE.COURSE-FOR.THE.COURSE** Developed and tested in real racing conditions on the course against all competitor sails convinced us that the WARP F2018 can beat anything out there!

WARP F2018

DETAILS

It took more than three years to develop the new shaping- and the design concept on which the WARP F2018 is based. Far more complex than previous designs, it incorporates divers influences on the rig into the panel layout. The result is overwhelming: using the NO.COMPROMISE.DESIGN the new WARP F2018 generates enormous acceleration and power out of the jibe and after the start. Unlike other “powerhouse” slalom sails out there the NO.COMPROMISE.DESIGN guarantees that this extra power is achieved without the sail becoming extremely physical to sail! This means that there isn’t a sudden power explosion for the rider to handle but rather a continuous, very harmonious power delivery. This relieves the rider, giving them power reserves for the entire race and freedom in order to fully concentrate on race tactics.

Here is how NO.COMPROMISE.DESIGN works

Up until today there was a high price for maximum power and acceleration after jibing:

A. Extremely physical to sail

this happens when you “just” increase the profile depth while leaving the luff curve and loose leech unchanged. Massive luff curve, massive profile AND massive loose leech simply result in the sail becoming very physical as the power develops slightly delayed but like a bang.

B. Reduced stability and wind-range

This happens when you increase the profile and decrease the luff curve. Less luff curve reduces especially the leading-edge-tension which results in reduced stability and wind-range.

With the NO.COMPROMIS.DESIGN Kai Hopf achieves what everyone was aiming for but was previously impossible:

Step 1

Kai increased the profile depth across the entire sail which results in a power boost after the start and jibing.

Step 2

Reduction of the luff curve. This reduces the sail body tension which allowed Kai to reduce the loose leech as well. The reduced loose leech leads to an instant/constant forward pull while the reduced sail body tension guarantees a soft power transmission (= less physical). We call this power made manageable.

Step 3

To prevent the sail from losing stability/wind-range Kai went on re-designing the whole double-foil luff sleeve construction. Now the entire luff sleeve is made out of lower-stretch CROSS.YARN.LAMINATE. In addition he integrated a top to bottom non-stretch Kevlar strip to the leading edge. This all stiffens up the leading edge to avoid excessive bending in the fore-aft direction (while maintaining sideways flex). The reduced fore-aft bending is essential to keep the sail from losing stability/wind-range. Plus it guarantees that the draft moves forward once you reduce the outhaul tension – which is essential for heavy weights and/or when sailing at the bottom end of the sails’ wind range to generate maximum forward pull.

Plus it guarantees that the draft moves forward once you reduce the outhaul tension – which is essential for heavy weights and/or when sailing at the bottom end of the sails’ wind range to generate maximum forward pull.

Attention

World Cup performance and 100% performance orientation require a perfect set-up and experienced trimming. This is especially true for our Formula 1 engine. Due to the extremely rigid mast sleeve maximum propulsion is achieved only in combination with PLATINUM masts and precise trimming. And in this case exactly means down to the millimeter. Therefore, the use of a POWER.XT is indispensable as it’s the only extension which allows a fine, click-precise adjustment of the downhaul tension.



S-TYPE SL

PERFORMANCE SWITCH.CAM

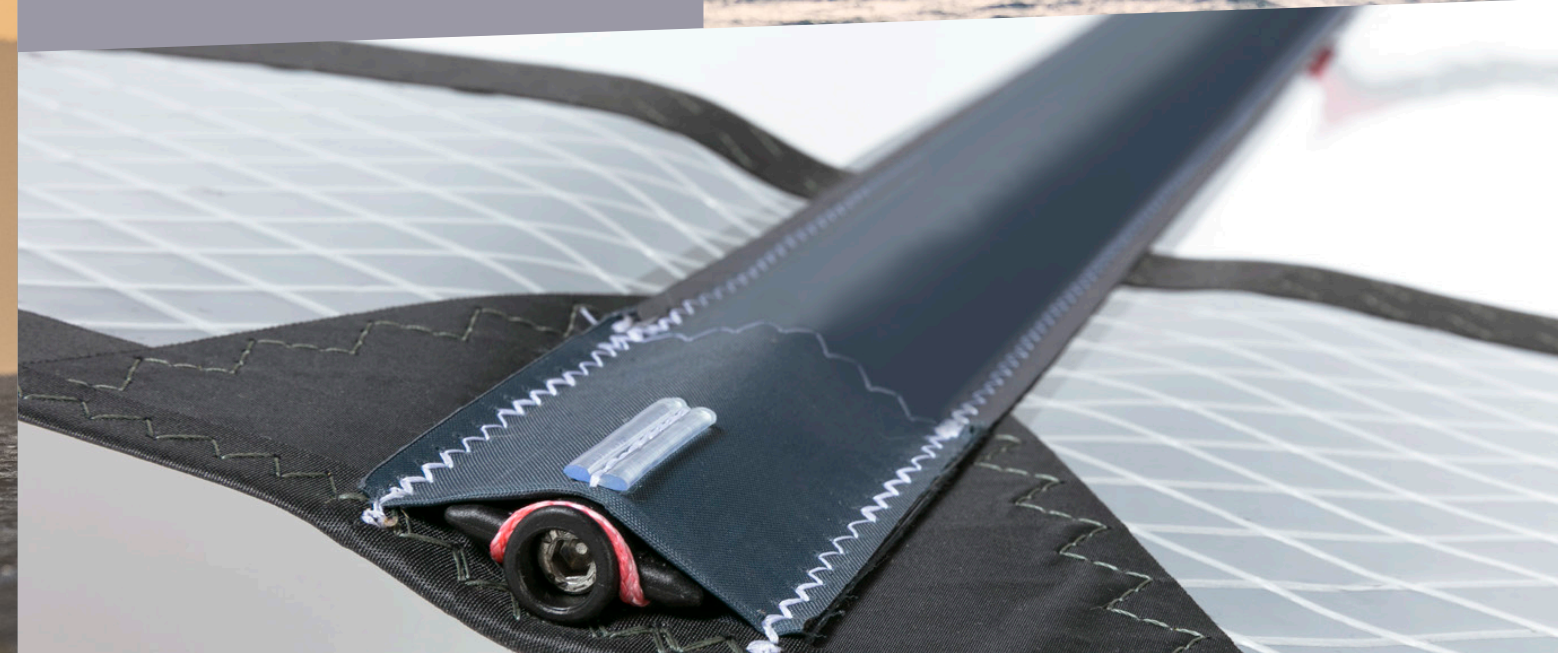


The S_TYPE SL has won numerous world-wide magazine tests over the years and received first-class honors in their categories. Therefore Kai Hopf has thrown everything into the mix, resulting in even more performance without having a negative effect on the handling. The decisive factor is the NO.COMPROMI-SE.DESIGN that he translated directly from the WARP F2018 into the S_TYPE SL. The outcome is a deeper profile with reduced loose leech and reduced luff curve which all leads to a superior low end acceleration. Thanks to reinforcements around the leading edge, the known draft stability and the broad wind range could be retained. The result is a highly sporty and competitive slalom sail that thirsts for speed, yet is easy to tame.



**“THE ONLY MAJOR DIFFERENCE
BETWEEN THE S_TYPE SL AND THE
WARP F2018 IS THAT IT STARTS
SLOWING DOWN IF YOU SHEET
OUT WHICH MAKES JIBING A LOT
EASIER IF YOU ARE NOT ON A PRO
RIDER LEVEL”**

MARCO LANG



S_TYPE SL

PERFORMANCE SWITCH.CAM

SIZES

6.0
6.6
7.3
7.8
8.3
8.8
9.3



KEY FEATURES

- › **NO.COMPROMISE.DESIGN** Guarantees an ideal mix of maximum power and forward pull without losing stability/wind-range or becoming super physical
- › **LUFF.LIFT.PANEL** Super early planing and acceleration through increased profile in the upper luff
- › **PROGRESSIVE.BATTEN.CONFIGURATION** Batten amount depending on sail size and thus perfectly matching the range of use
- › **IBUMPER** The most advanced and effective molded mast protector
- › **HYPER.CAM** Again and again confirmed through magazine tests worldwide: The best rotating camber on the market
- › **SWITCH.CAM.OPTION 3/2** 3 cams for max. performance - 2 cams for improved handling
- › **MINIMUM.MAST.CONCEPT** One mast (460-25) fits all sizes
- › **AERO.SLEEVE.DESIGN 2.0** Maximum performance combined with fast waterstarting

S_TYPE SL

MODELS



C07
Ferrari.Red-New.Orleans.Blue
Art. No.
14800-1213



C19
Noir.Black-New.Orleans.Blue
Art. No.
14800-1213

DETAILS

The S_TYPE SL using the NO.COMPROMISE.DESIGN can safely be called the perfect blend. Comfort combined with the most successful race slalom sails in our history. Therefore Kai Hopf has paired the balanced handling and comfort of the S_TYPE with the brutal speed and power of the WARP. This means: Outstanding power on all courses, which thanks to the integration of the new NO.COMPROMISE.DESIGN is effortless to achieve. Most striking is the extremely tapered mast sleeve in the new AERO.SLEEVE.DESIGN 2.0. Its width in the aerodynamically important boom area permits the ideal transition from the "thick" mast front edge into the 'thin' sail profile. At the top however, the mast sleeve is still kept

relatively narrow to ease up water starts. This is supported by the use of the WARP F2018 LUFF.LIFT.PANEL design that provides additional lift.

Regardless of whether you're at high speed or simply cruising and jibing, the S_TYPE SL is extremely versatile. It's an excellent universal high performance sail for many board types, as it can be sailed with 2 or 3 cambers thanks to the SWITCH.CAM.OPTION (the camber in the foot area can be removed).

Simply ingenious: All S_TYPE SL sizes work with one mast length!



E_TYPE

PERFORMANCE NO.CAM

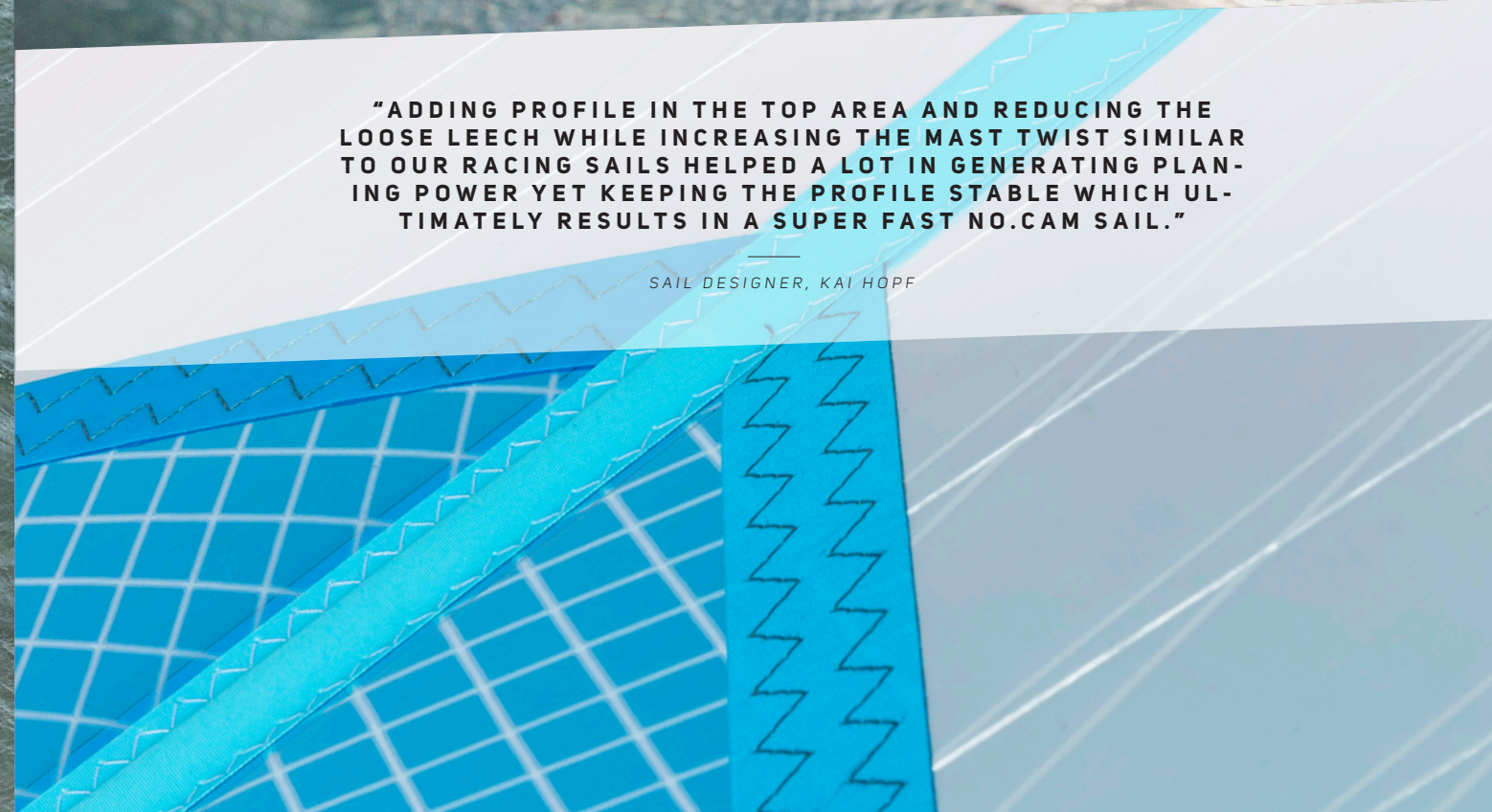


E is for exciting! The E_TYPE is exactly the type of sail to help windsurfing regain its real fascination. Rigs without a sweat, takes off and gets going without pumping. This sail boasts the perfect power and acceleration capabilities of our WARP combined with the handling of a No.Cam sail. Windsurfing has never been so relaxed and exciting at the same time!



"ADDING PROFILE IN THE TOP AREA AND REDUCING THE LOOSE LEECH WHILE INCREASING THE MAST TWIST SIMILAR TO OUR RACING SAILS HELPED A LOT IN GENERATING PLANING POWER YET KEEPING THE PROFILE STABLE WHICH ULTIMATELY RESULTS IN A SUPER FAST NO.CAM SAIL."

SAIL DESIGNER, KAI HOPF



E_TYPE

PERFORMANCE NO.CAM

SIZES

5.4

5.8

6.2

6.6

7.3

7.8

8.2



KEY FEATURES

- › **NO.COMPROMISE.DESIGN** (6.2 and up): Guarantees an ideal mix of maximum power and forward pull without losing stability/wind-range or becoming super physical
- › **PROGRESSIVE.BATTEN.CONFIGURATION** batten amount depending on sail size and thus perfectly matching the range of use
- › **LUFF.LIFT.PANEL** super early planing and acceleration through increased profile in the upper luff
- › **VTS.PLUS** Trimmings marks for self-explanatory, quick rigging
- › **MINIMUM.MAST.CONCEPT** Two masts cover all sail sizes!

E_TYPE / E_TYPE HD

MODELS



C07
Ferrari.Red-New.Orleans.Blue
Art. No.
14800-1211



C14
Noir.Black-Acid.Green
Art. No.
14800-1211



HD
Noir.Black-Acid.Green
Art. No.
14800-1212

DETAILS

The extremely versatile E_TYPE combines handling and rigging advantages of a NoCam sail with a very lively power delivery and top speed. This sail really wants to get going quickly and also maximizes the enjoyment of maneuvers. We've made this possible through implementing the reduced aspect ratio from the WARP and the increased profile in the upper luff panel. The new E_TYPE performs not only at peak performance but also exceptionally well during acceleration and planing. This is thanks to the additional profile in the upper luff panel and the TT.TOP with active

twist. Thanks to the CUTAWAY.CLEW this sail doesn't require an unnecessarily long boom! With the draft located well forward this facilitates rig control and contributes significantly to the unusually high draft stability of this NoCam sail. As well as the extra stiff tube battens (four in 6.2 and greater). Through the PROGRESSIVE.BATTEN.CONFIGURATION all E_TYPE sails feature a size and range-specific number of battens. Sizes 5.4 to 6.6 come with 6 battens while 7.3 and up feature 7 battens.



SAILS

FREESTYLE X WAVE

RANGE 2018



IDOL LTD

ULTRALIGHT FREESTYLE COMP



Light, lighter and as radical as possible! The IDOL LTD is the personal pro model of freestyle record world champion Gollito Estredo. For this freestyle genius Kai Hopf has fulfilled all his wishes and created the most sophisticated, extreme freestyle production sail that we have ever built. All IDOL LTD's are unbelievably light sails because instead of conventional X.PLY the futuristic high-tech laminate "ODL" is being used in combination with our 4mil ULTRA.FILM. These materials are 50% lighter than conventional sail cloth and push the weight to sensationally low. To clarify: The weight of IDOL LTD corresponds to a 1.5 m² smaller SUPER HERO / SUPER SESSION (e.g. 4.8 compares to 3.4)! 2018 all IDOL LTD generate even more performance plus and the smaller sizes are also significantly easier to control in overpowered conditions.



**"WITH A SLIGHTLY NARROWER TOP
AND THE BATTEN ABOVE THE BOOM
MOVED DOWN THE NEW IDOL LTD
GIVES ME EVEN MORE LIFT AND
CONTROL FOR MY MOVES"**

GOLLITO ESTREDO



IDOL LTD

ULTRALIGHT
FREESTYLE COMP

SIZES

- 3.6
- 4.0
- 4.4
- 4.8
- 5.2
- 5.6



KEY FEATURES

- › **HOLLOW.LEECH** (scooped leech outline) with additional **MINI.BATTEN**: stabilizes the profile right above the boom and prevents leech fluttering.
- › **RADIAL.LOAD.STRIPES** at the clew improve the stability and extend the wind range
- › Size 5.6 to comply to reduced wind limit on PWA freestyle events
- › Thanks to the trend setting high-tech yachting materials (**ODL laminate** and **4 mil ULTRA.FILM**) the IDOL LTD is our lightest Freestyle sail of all time
- › **Super high clew and short boom** allow fastest possible ducking to avoid loosing any speed.
- › Super-stretchy **DACRON+ODL.DOUBLE.LUFF.PANEL** enables maximum lift for all the jumps against the sail
- › 3 ultra-light **TUBE.BATTENS**
- › **iROCKET 2.0**, NorthSails lightest batten tensioner of all time
- › Exclusively designed for **RDM** masts.

IDOL LTD

MODELS



C14
Noir.Black-Acid.Green
Art. No.
14800-1206

DETAILS

From the second you ride on the IDOL LTD you will have a smile on your face. It feels absolutely neutral, doesn't show any unwanted life of its own and is a feather in your hands so that you nearly forget about the sail during moves and maneuvers. This is one of the most important aspects especially for freestyle! It spins incredibly fast through all tricks even during the most difficult ducking moves and feels as if you rotate without a sail.

The high clew and the short boom length excel at ducking so that no speed is lost. With the new IDOL LTD the success rate of difficult maneuvers and the fun increases straight away making you automatically go for even more radical moves!

Designer Kai Hopf has designed the IDOL LTD for maximum efficiency. Compared to the regular IDOL it features a tighter leech, a reduced weight and a higher clew. Not only will maneuvers become much easier but also get performed at higher speed. This is due to the sophisticated profile distribution. All of these aspects are apparent over a wide wind range and

you will be surprised how large the trimming capabilities are on the new IDOL LTD.

2 important points

1. Even if other brands do not speak about it, we will tell the truth: ultra lightweight can only be achieved through the reduction of material thickness. Since the film thickness of the ODL laminate is reduced to the absolute minimum, the UV stability is limited. Therefore, this sail is excluded from the usual NorthSails 2+3.year.warranty!
2. Q: Why are we still using a rather "boring" looking white film in the center panel? A: We are using a high-end monofilm called **ULTRA.FILM** which is lighter and stronger than any other monofilm available making the IDOL LTD the lightest monofilm Freestyle sail on the market . Unfortunately this high-end monofilm is only available in white color.



SUPER SESSION

FREEWAVE



Freewave boards are currently the most the most popular and successful boards on the market. At last comes the first perfectly matching sail! The brand new SUPER SESSION combines ease of handling with a sensationally crisp direct riding feel. Creating absolute control in all situations and the confidence to push forward. The SUPER SESSION lets you control wind and waves confidently even under the harshest conditions.



"BEING THE FIRST FULLY DEDICATED
FREEWAVE SAIL WE'VE FELT THE
SUPER SESSION NEEDED TO GET
A CRISPIER AND MORE DIRECT
FEELING THAN THE SUPER HERO"

PRODUCT MANAGER, RAOUL JOA



SUPER SESSION

FREEWAVE

SIZES

4.0
4.4
4.8
5.2
5.6
6.0
6.4



KEY FEATURES

- › **HOLLOW.LOWER.LEECH** (scooped leech outline) stabilizes the profile right above the boom and prevents leech flapping
- › Lower weight due to **WEIGHT.OPTIMIZED.PANEL.LAYOUT**
- › Extremely sturdy, **unbreakable epoxy batten**
- › **MINIMUM.MAST.CONCEPT** Two masts cover all sail sizes!
- › Also available in a **monofilm-free HD** construction

SUPER SESSION / SUPER SESSION HD

MODELS



C07
Ferrari.Red-New.Orleans.Blue
Art. No.
14800-1207



C14
Noir.Black-Acid.Green
Art. No.
14800-1207



HD
Ferrari.Red-New.Orleans.Blue
Art. No.
14800-1208

DETAILS

Freewave, Bump & Jump have everything that makes windsurfing so fascinating. This also explains why so many boards are sold in this category. The SUPER SESSION is the perfect sail for covering the wide range from flat water to wave. A power wave engine that combines great low end potential with speed, handling and excellent control. Fast blows, casual jumps and full-throttle turns flow seamlessly together and make you push harder and harder - like an endless SUPER SESSION. The 5-batten layout results in an outstandingly balanced design focussing on acceleration, stability and handling. The new SUPER SESSION feels light and

crisp thanks to a higher and further forward oriented draft position. The HOLLOW.LOWER.LEECH, which is adapted from the SUPER HERO, stabilizes the profile above the boom, preventing leech flapping and allows superior rig control even in overpower conditions. This perfect synthesis of handling, speed and superior control make the SUPER SESSION a sporty bump and jump all-rounder even in gusty conditions. The SUPER SESSION is also available in monofilm-free HD construction. The extremely resistant material mix however has its price, which we want to point out.



SUPER HERO

ALL.IN.ONE WAVE

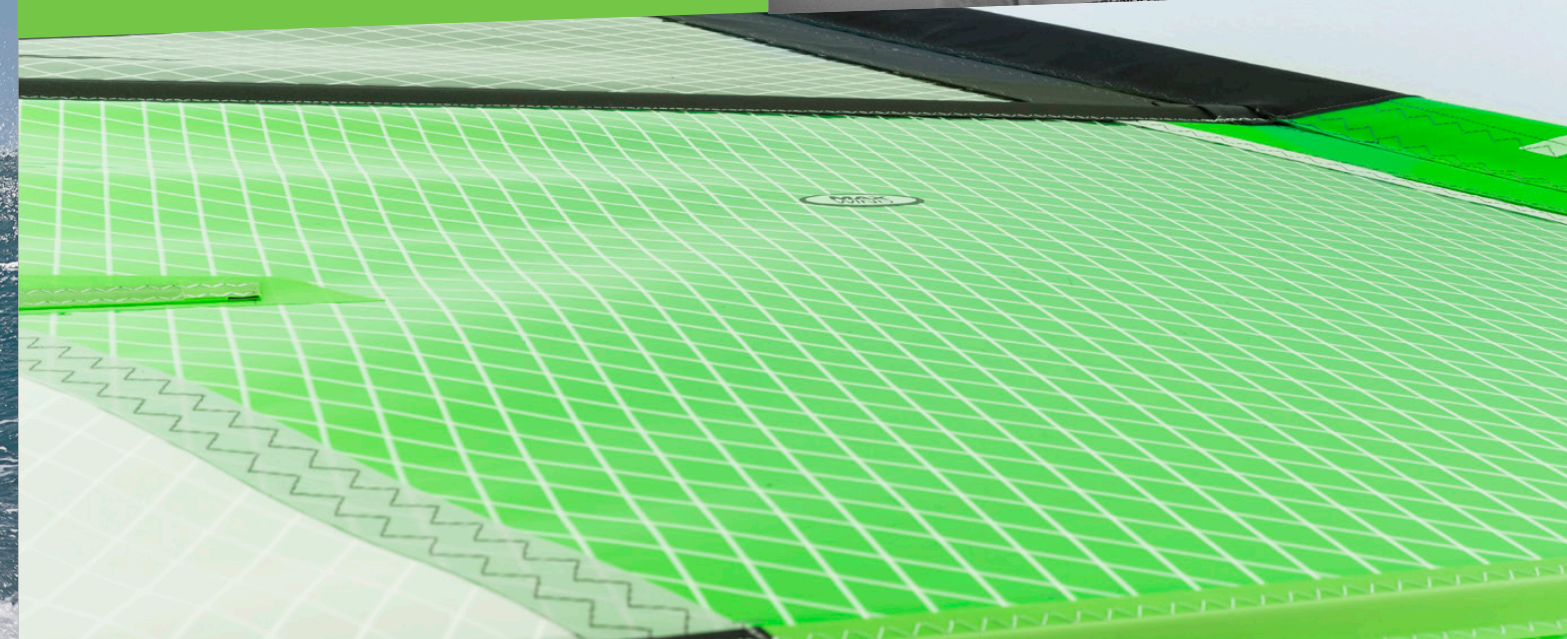
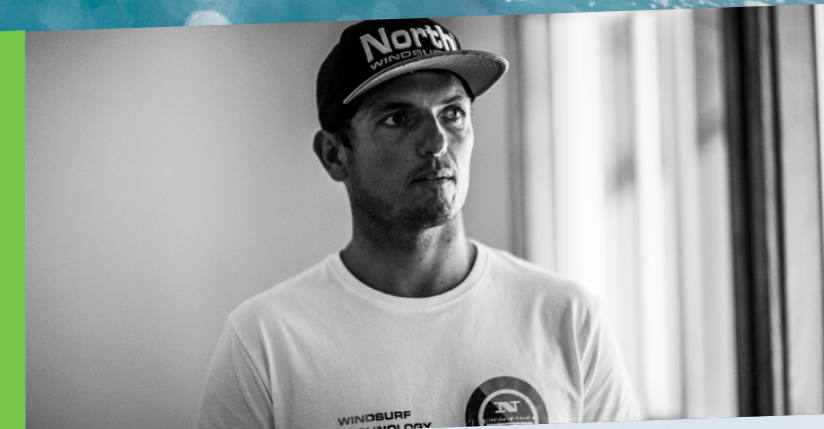


ALL.IN.ONE - one for all: The brand new SUPER HERO is THE Wave Sail! A true World Cup weapon to work in all conditions around the globe. The SUPER HERO is very stable and balanced – it has the light and soft feeling of a 3-batten sail combined with the stability of a 5-batten sail. As the new developed profile fills out very efficiently, it produces lots of power even in underpowered conditions. The favourite sail of PWA Wave double World Champion Victor Fernandez is made for nearly all kind of riders since it always builds its maximum performance no matter which rider weight.



**"THE SUPER HERO HAS IT ALL:
AS LIGHT AND REACTIVE AS A
3-BATTEN- YET AS STABLE AS A
5-BATTEN WAVE SAIL"**

VICTOR FERNÁNDEZ



SUPER HERO

ALL.IN.ONE WAVE

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



KEY FEATURES

- › **HOLLOW.LOWER.LEECH** (scooped leech outline) with additional **MINI.BATTEN** stabilizes the profile right above the boom and prevents leech flatterring
- › **RADIAL.LOAD.STRIPES** at the clew improve the stability and extend the wind range
- › Made to survive: the new SUPER HERO features **the smallest monofilm window** of any 4-batten sail on the market
- › 150 grams lower weight due to **WEIGHT.OPTIMIZED.PANEL.LAYOUT**
- › Extremely sturdy, **unbreakable epoxy battens**
- › **iBUMPER**, the most advanced and effective molded mast protector
- › **BALANCED.LUFF.LENGTH:** luff as short as possible for radical handling and as long as necessary for maximum wind range
- › Also available in a **monofilm-free HD** construction

SUPER HERO / SUPER HERO HD

MODELS



C01
Ferrari.Red-Snow.White
Art. No.
14800-1200



C02
New.Orleans.Blue-Snow.White
Art. No.
14800-1200



C18
Acid.Green-Snow.White
Art. No.
14800-1200



HD
Ferrari.Red-Snow.White
Art. No.
14800-1203

DETAILS

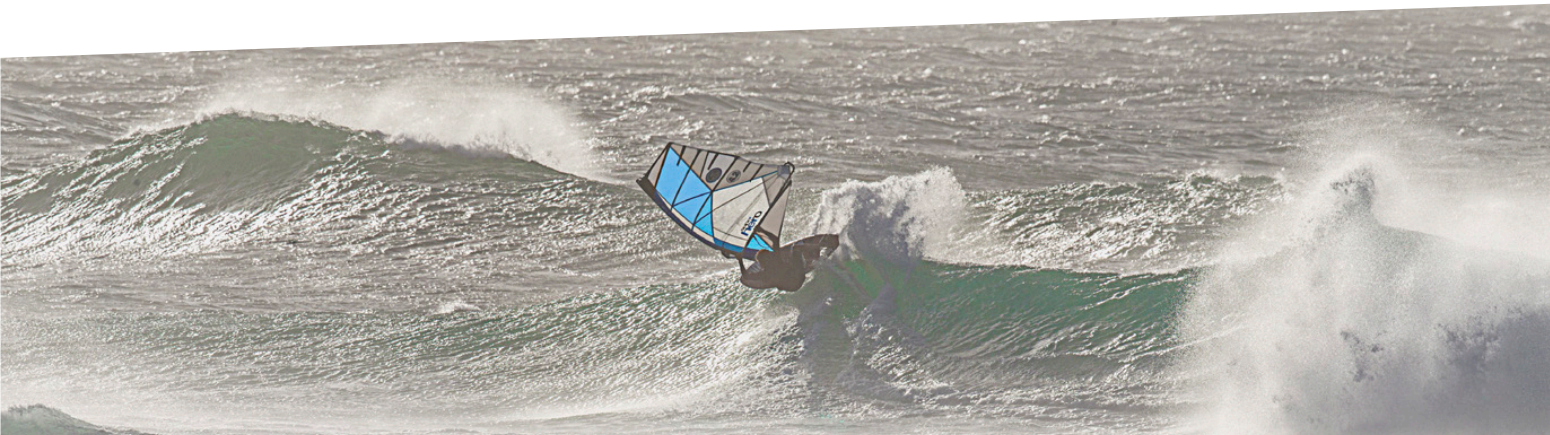
The consistent evolution of the legendary HERO makes the SUPER HERO the ultimate World Cup wave sail with an extremely wide range of use. On the one hand, it captivates with manageable top end performance, even in niking spots such as the Canaries or South Africa, remaining perfectly controllable even in extreme overpowered jumping conditions. On the other hand, it offers powerful acceleration at the lower wind limit, for down the line riding on Maui or Mauritius. Designer Kai Hopf has moved up the batten above the boom increasing the gap to the foot batten similar to a 3 batten sail. This FREE.BOOMZONE.CONCEPT provides an incredible on-off feeling on the wave. The batten-free area is super easy to pump and offers less resistance for the wind to fill out the profile in the wind in the underpowered conditions, similar to a 3 batten sail. However, in order to ensure high amounts of stability in strong winds and performance throughout a massive wind range. Kai uses two MINI.BATTEN and the HOLLOW.LOWER.LEECH directly above the boom. In addition, RADIAL.LOAD.STRIPES starting from the clew stabilize in particular the boom-free area and ensure an even load-distribution. The result is a 4 batten wave

sail with incomparable wide wind range, combining maximum low end power with control and stability.

The low weight makes for incredible handling, while rigging you can already imagine how light and soft the sail feels. The rotation is as smooth as silk, even with minimal outhaul tension. The top of the sail works very effectively to support the power. Therefore you can safely choose a sail size smaller than with many other wave sails. This applies to almost any rider, regardless of their weight. Sail sizes range from 3.0 up to 6.7 to cover a maximum range of use. To ensure maximum draft stability the 3 largest sizes feature a 5-batten layout.

SUPERHERO HD

Basically identical, the SUPER HERO HD comes without monofilm even in the main window panel.



NOW

SMALLER FRAME RIDERS



You got infected by the windsurf virus and you can't wait to get onto the board again? But standard rigs are too heavy, big and physical for you? Designer Kai Hopf has created stand-alone sails especially for you, which make it easy for beginners and intermediates to advance and which serve as adequate equipment even after this learning procedure. On top of this the NOW is a very modern sail which is adapted to the body stature and forces of smaller frame riders. Of course with all quality features and with the performance of all our sails. According to the motto: The best for everybody!



"KAI AND ME WANTED TO CREATE A SAIL SIMILAR TO MY SUPER HERO BUT WITH EVERY ASPECT BEING TAILORED AROUND SMALLER-FRAME RIDERS. MY WIFE BEA WHO WAS ONE OF THE MAIN TESTERS OF THE NOW JUST LOVES IT!"

VICTOR FERNÁNDEZ



NOW

SMALLER FRAME RIDERS

SIZES

2.8

3.2

3.6

4.0

4.4



KEY FEATURES

- › Straighter luff curve, 3-batten-layout and Dacron luff panel all result in a softer sail ideal for lighter riders
- › 3-batten-layout, **LIGHT.PROTECTOR**, eyelet instead of tack roller and our **WEIGHT.OPTIMIZED.PANEL.LAYOUT** all result in a super light weight ideal for smaller-frame riders – but without effecting the durability
- › **HOLLOW.LOWER.LEECH** (scooped leech outline) stabilizes the profile right above the boom and prevents leech fluttering
- › **RADIAL.LOAD.STRIPE** at the clew improves the stability and extends the wind range
- › Extremely sturdy, unbreakable epoxy battens
- › **BALANCED.LUFF.LENGTH** luff as short as possible for radical handling and as long as necessary for maximum wind range

NOW

MODELS



C07
New.Orleans.Blue-Ferrari.Red
Art. No.
14800-1218

DETAILS

The idea is simple, the implementation is unique! Due to the body stature, forces and leverage smaller frame riders (up to 160 cm) are often unable to cope with regular sails. At the same time, they often have a higher level than many others and are searching for a proper sail tailored for smaller frame riders. Especially for this target group, we have developed the brand new NOW. A very light, powerful and high-quality performance sail, based on the current SUPER HERO, but adapted in many respects to the ergonomics and physical performance of smaller people. While most sail brands use the same layouts and materials as for adult sails (for example, heavy X.PLY) for the sake of simplicity, we go our own way. Through

years of cooperation with all major schools (eg VDWS, ION Club, FBC), we are using their enormous knowledge and have designed the NOW accordingly. For example, A particularly balanced shape and intelligent mix between XPly and light monofilm, which are adapted to the lower weight and the reduced of strength of the target group. Thanks to the ingenious material mix of iMODULAR.DESIGN, none must fear the durability. Five sizes up to 4.4 m² are based on the ergonomics and the strengths of smaller persons and offer high-quality and powerful equipment guaranteeing fun and success in windsurfing.



DRIVE CLOTH

SCHOOLING



The latest DRIVE CLOTH features a cutting-edge two and a half-batten layout 2.5 (3.0 m² and up), which offers amazing performance for a very wide target group. It was developed in close cooperation with the most famous surf schools and associations, whose insights and experiences have influenced the concept significantly.



DRIVE CLOTH

SCHOOLING



SIZES

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



- › **DACRON.VINYL.CONSTRUCTION** makes the DRIVE_CLOTH virtually indestructible
- › **DACRON.VINYL.CONSTRUCTION** perfect for learning as it gives the rider something to hold on to

- › **DACRON.VINYL.CONSTRUCTION** perfect for learning as the sail loads very gently

MODELS



C01
Snow.White – Ferrari.Red
Art. No.
14400-1210



C02
Snow.White – New.Orleans.Blue
Art. No.
14400-1210



C01
Snow.White – Ferrari.Red
Art. No.
14400-1210



C02
Snow.White – New.Orleans.Blue
Art. No.
14400-1210

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 maneuvers. In sub planing conditions it really gives the rider something to hold on to which is fundamental for improving your balance. This is especially advantageous in choppy water. 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.

The use of Dacron and Vinyl instead of mono-film makes the DRIVE CLOTH virtually indestructible, which is why it is perfectly suited for use in windsurfing schools. The Dacron fulfills a second, very important purpose: thanks to the flexible material in combination with the unique profile the sail loads very gently. Thus, the DRIVE CLOTH develops powerful propulsion enabling great planing power. Despite the full profile the draft remains very stable even when fully powered up. The use of Dacron and Vinyl instead of mono-film makes the DRIVE CLOTH virtually indestructible

SAIL FEATURES



Revolutionary approaches and technologies have always been and will always be part of our success. Almost all details and features that went into our windsurfing products emerged during the development and evolution of the WARP World Cup race sail and its predecessors, which always delivered the highest performance possible. When comparing them with other sail brands, you should always pay particular attention to the unique solutions and innovations that are responsible for the performance of NorthSails Windsurfing. You will realize that most of these features can only be found on our sails.

UNIQUE FEATURE

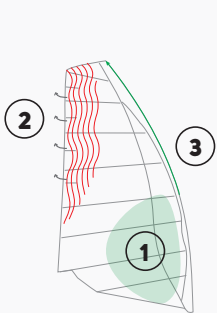
THIS YOU GET FROM NORTHSAILS ONLY

Our sails are different in many ways from other brands due to the NorthSails-typical details. These include unique solutions that are exclusively available from us - easily identifiable by the "UNIQUE FEATURE" label!

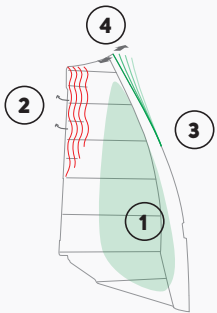
UNIQUE FEATURE

NO.COMPROMISE.DESIGN

This you get from NorthSails only
6 out of 7 won eliminations during the 2015 racing season are making the WARP 9.0LW the most successful slalom sail in PWA history. Our first sail incorporating the groundbreaking NO.COMPROMISE.DESIGN dominates the World Cup becoming feared legend among World Tour competitors. With beyond better acceleration and requiring less physical input, the sail is simply in a class of its own. To achieve this Kai Hopf, over several years of development created the incredibly complex NO. COMPROMISE.DESIGN. Generating more propulsion and acceleration without the usual drawbacks, which make other sail designs harder to handle, more physical and therefore slower. That's why for 2018 all Race and Freeride sails feature the truly revolutionary NO.COMPROMISE.DESIGN concept.



Classic Design
Massive luff curve (3) with positive profile just in the lower sail body (1) = extreme preload on the mast, extreme loose leech and flat top (2) = reduced acceleration as just a portion of the sail is pre-shaped and the entire sail twist is generated over the loose leech (2)



NorthSails NO.COMPROMISE.DESIGN
30% reduced luff curve (3), positive profile right up to the top (1) = reduced preload on the mast, reduced loose leech and profiled top (2) = better acceleration as the entire sail is pre-shaped to a perfect foil. Generating incredible propulsion with a harmonious dual twist, eliminating load peaks through loose leech (2) AND mast flex. (4)

HIGHLIGHTS

UNIQUE FEATURE

2+3.YEAR.WARRANTY

(EXCEPT IDOL LTD AND WARP)

Quality guaranteed – no other brand offers something similar. Short-term thinking minimum weight is great. But over-reducing necessary reinforcements automatically reduces the longevity. NorthSails is famous for the perfect ratio weight to durability. To prove the superior durability and quality, we grant a unique 2+3.YEAR.WARRANTY on all our sails (does not include monofilm)! To secure the extended warranty claims please immediately register under <https://www.north-windsurf.com/support/warranty-registration/> Otherwise just the legal warranty period can be granted!



UNIQUE FEATURE

ULTRA.FILM

(WARP, IDOL LTD)

The lightest monofilm on the market. To save as much weight as possible, we now use ULTRA.FILM which is just 4mm thick for the super lightweight IDOL LTD as well as the WARP. This extreme monofilm is used throughout the body panel and contributes significantly to the low overall weight thanks to its reduced thickness.



UNIQUE FEATURE

HYPER.CAM

(WARP, S_TYPESL)

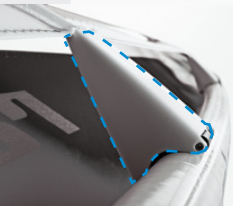
"Soft rotation and excellent rigging comfort" international confirmation for years! But that's not all:

Advantage 1 Super-fast rigging. (Sliding-up instead of snapping-on the mast.) No need for repeat adjustments to luff- and outhaul tension.

Advantage 2 Minimum friction means soft rotation, since the HYPER.CAM features free rollers without plastic buckles, so that only the rollers touch the mast.n.

Advantage 3 Optimized shape for the best possible mast pocket profile and ideal aerodynamics.

Advantage 4 Fits all mast diameters, since only the rollers but never the plastic body touch the surface, which also makes the HYPER.CAM extremely easy to rotate.



UNIQUE FEATURE

iROCKET 2.0

Super light and aerodynamic. A new, unobtrusive detail with a huge effect. The completely redesigned iROCKET 2.0 batten tensioner not only is super-light, aerodynamic and durable, but also features high-tech components as a self-lubricating, salt-water-resistant brass nut with a stainless-steel screw to withstand any batten tension. The iROCKET 2.0 is also the basis for a real revolution:



HANDS-OFF.BATTEN.TENSION

100% accurate batten tension calibrated from the factory for now and forever. To solve the batten tension mystery and to prevent any miss-tension, every single batten gets calibrated in the factory according to the specs of the designer. Not according to feeling, but 100% accurate through a torque wrench. In addition, the nut is fitted with a semi-tight screw-type glue, so that a change of tension is prevented. This means that the batten tension is absolutely correct and must never be readjusted again! So the supplied batten-key is only necessary in the rare case of a break to replace the defective batten.

UNIQUE FEATURE

HTS HARNESSLINE.TRIM.SYSTEM

Say goodbye to misplaced harness lines!
Forget the time-consuming search for the ideal harness line position, the numb forearms, and the endless fiddling around! The patented print on the sail shows exactly where the center of the harness line has to be. Just position the two ends symmetrically at the left and right of the print, that's all.



UNIQUE FEATURE

VTS VISUAL.TRIM.SYSTEM

Perfect trim and huge wind range! Even newcomers can immediately trim the sail 100% correctly. Simply downhaul the sail until the borderline of the loose leech reaches the "min dot" or "max dot" (depending on the wind speed). That's it! The exclusive VTS acts like a turbocharger, ensuring maximum performance and an extended range of use. Trimming has never been faster and more accurate!



Sail features

PERFORMANCE

UNIQUE
FEATURE

DOUBLE.D.BUCKLE

(all sails with vario top except DRIVE CLOTH)

Inspired by high mechanical load capacity climbing harnesses and racing helmets. The exclusive two-piece Double.D.BUCKLE replaces present standard solutions. This construction guarantees outstanding trimming options and completely eliminates webbing slippage.



UNIQUE
FEATURE

POLYESTER.WEBBING.ONLY

No stretch, no tension loss. What has been proven in safety belts is just good enough for us windsurfers! We are the only manufacturer to use Polyester webbing at the (vario) top, the tack roller and the batten tensioner attachment-loops. The advantage over conventional Polypropylene is the almost non-existing stretch. Even brand new sails now keep the full downhaul tension and need not be re-tensioned. The same is true for the batten tensioner. A small detail with a great effect!



PROGRESSIVE.BATTEN.CONFIGURATION

Better handling and total control. The number of battens plays a decisive role when it comes to a stable center of effort, weight, and handling. With the PROGRESSIVE.BATTEN.CONFIGURATION we have introduced a system that determines the ideal number of battens for each sail, depending on size and intended use. This provides for an ideal combination of performance and the lowest possible weight for each size.



MINI.BATTEN

Eliminates unintentional leech flutter. Short, highly effective miniature battens support the area between the long battens and prevent any annoying flutter.

Sail features

COMFORT

UNIQUE
FEATURE

VTS.PLUS

(E_TYPE with fixtop)

Even faster and easier to rig. The all-new VTS.PLUS trim indicators (FAST.RIGGING.INDICATION) that make all E_TYPE and CURVE sails with fix-top even easier and faster to rig. Thanks to precise specifications of the mast- and boom lengths the down- and outhaul are simply pulled as far as it goes, done! Of course, the traditional VTS trimming dots are also available to allow all specialists more flexibility for maximum performance.



UNIQUE
FEATURE

3D.TOP.CAP

Perfect load distribution. 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). For the first time our new 3D.TOP.CAP allows a "3-dimensional" transition of the downhaul forces into the sail body. This eliminates top flapping and guarantees a progressive loose leech extending the wind-range. The integrated abrasion rib eliminates the need for heavy, bulky reinforcements at the top-end of the mast sleeve.

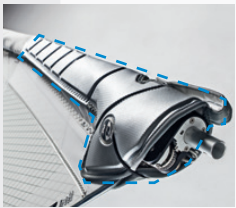


UNIQUE
FEATURE

iBUMPER

(S_TYPE SL, SUPER HERO)

More protection, less abrasion. The iBUMPER is probably the most innovative mast protector on the market. Under heat its highly resilient surface material gets thermally connected to a shock-absorbing foam. The intelligent arrangement of the ribs and surfaces not only offer weight advantages, but also eliminates the two most common problems. The contoured upper section provides unprecedented bump protection and cushioning in the event of foot or lower leg contact. The lower part however is designed towards maximum abrasion resistance to meet the frequent board contact. This is indicated by the absence of ribs and the generous surface. Smart detail: a mesh pocket at the inside to store the excess downhaul rope.



UNIQUE
FEATURE

TWIN.STRAP

Keeps the sail rolled up and the protector on the mast. This improved version of the brilliantly simple fastening system not only keeps the sail safely rolled up, but also makes sure that the mast protector is closely attached and fastened to the mast while surfing (not available with DRIVE CLOTH)!



TRIPLE.TACK.ROLLER

(except NOW and DRIVE CLOTH)

Minimum forces for perfect trim. The integrated, nickel-plated brass triple roller minimizes the downhaul forces tremendously. The new, optimized side plate with integrated rope led prevents that the rope will be damaged or jumps from the roll.



UNIQUE
FEATURE

SET&GO.VARIOTOP

Find the optimum vario top setting without the usual try and error. From the first rigging now the length of the vario top is set correctly. Easy to read length indicators show the perfect setting in relation to the used mast length which eliminates any testing and readjustment!



MAST.SLEEVE.OPENER

No more friction when threading the mast into the mast pocket. A brilliant trick makes inserting the mast a breeze. The NorthSails logo above the boom cutout opens the mast pocket just a little, allowing the rider to insert the mast with just one hand, without having to move up the luff.



INDIVIDUAL.BOOM.LENGTH.INDICATION

Choosing the right boom length without experimenting. Since the boom is positioned at different points on the mast depending on the rider's height, the ideal boom length varies due to the different angles. To make it easier to find the right length fast, the individual recommendations are written directly on the luff panel at boom level.

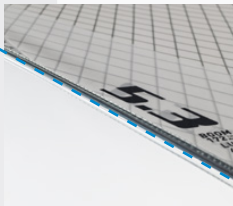


DESIGN/CONSTRUCTION

UNIQUE
FEATURE

DURATECH.FOOT

Long-term durability for the sail-foot. The foot of the sail is often dragged across the anti-skid surface during water starts or accelerating, especially with wide boards. The exclusive DURATECH.FOOT keeps the seams in a wide plastic channel, protecting them against damage from the rough anti-skid surface.



PROGRESSIVE.CUTAWAY.CLEW INCL. CROSS.BATTEN

(WARP, S_TYPE SL, E_TYPE 6.2 and up)

Optimum combination of minimized rotation forces, power and handling. The CROSS.BATTEN concept is the intelligent solution that shifts the sail's center of effort downwards and supports the larger surface area in the boom zone. 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 sails agility, feel and allows a shorter, stiffer boom. Both features individually vary depending on the type and size of the sail. That is, the more pronounced the CUTAWAY thus the longer the CROSS.BATTEN, the more flex and comfort, especially when overpowered ("excess" sail area "flexes away"). The more performance-oriented the sail, the less pronounced the CUTAWAY.CLEW and the CROSS.BATTEN are to ensure a more direct acceleration.



UNIQUE
FEATURE

TT.TOP

Improved sail control at higher wind speeds. Kai Hopf relied on the WARP to design the TT.TOP. The concave shape is slightly reduced, which improves tension and allows for a more effective, three-dimensional top twist. This means the top twists not only horizontally, but also vertically under strong winds. By virtually neutralizing gusts, the rig's kept steady in the rider's hands, and works in a much larger range of winds.



TWIN.TRIM.CLEW

(WARP)

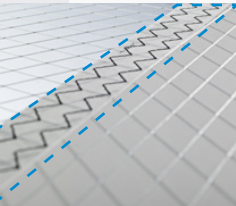
Increased range of use, individual tuning options. The secret of the TWIN.TRIM.CLEW are the 2 horizontally placed clew eyelets. The outer clew position provides more power and a more direct feeling, while the inner position gives more control and a softer sensation.



UNIQUE
FEATURE

DOUBLE.SEAM. TECHNOLOGY

Twice as durable, half the stretch. NorthSails stands for unsurpassed quality that guarantees a longer life for our sails. The triple zig-zag seams significantly contribute to this. And they don't come, as usual, in a single, but in a double version! They cover all exposed crash areas that would otherwise be damaged. The result is higher resistance to tear and a reduction of stretch by up to 50% as a result of the second seam, also benefiting profile stability and performance. Only the DOUBLE.SEAM. TECHNOLOGY by NorthSails can deliver this!

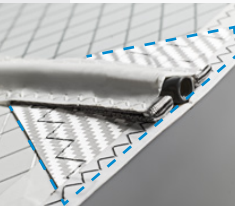


MATERIALS

UNIQUE
FEATURE

PURE.PATCH. TECHNOLOGY

Fewer layers, lower weight. With the newly developed high-tech PURE.PATCH. TECHNOLOGY one layer of PURE PE material replaces the traditional multi-layer reinforcements. This applies to the clew, luff and the batten pocket ends. The altered structure in combination with the highly abrasion-resistant and virtually indestructible PURE material saves 50% of the weight of the previous patches! Woven in two directions.



BALANCED.CROSS.YARN. LAMINATE

Beautiful, no weak-spot. Some brands use exotic and expensive thread materials, like Kevlar or Spectra for their X.Ply laminates. At first view this sounds great as these materials have approx. half the stretch of the Polyester threads we use. On the other hand it's important to know that the monofilm around the threads is also made of Polyester. This leads to a very uneven construction. Rather than having a certain give/elasticity to "buffer" load peaks without breaking, the non-stretch Kevlar/ Spectra threads rip the film from the inside out. With a Polyester-film + Polyester-thread construction you avoid the film becoming a weak spot as all materials have the same elongation.



UNIQUE
FEATURE

DURA.LUFF.PATCH

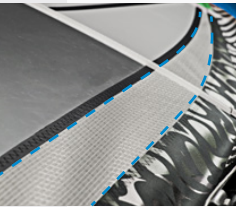
Extremely durable luff reinforcement. The area around the boom cutout is particularly exposed to wear and tear, because the luff panel always forms wrinkles when inserting the mast. Over time, this „accordion effect“ may cause cracks in the monofilm. The flexible DURA.LUFF.PATCH reinforces the area around the boom and creates a soft transition to the monofilm, while preventing cracks in the film.



HIGHTECH-LAMINAT "ODL"

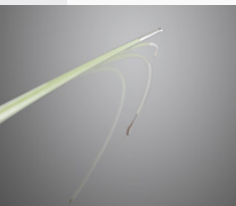
(IDOL LTD)

Extremely light, extremely high-tech. Yachting sail specialist POLYANT delivers one of the most desirable laminates available today. ODL is an extremely lightweight material that is unbelievably 50% lighter than regular X.PLY and makes every weight freak rave. Since the film thickness is reduced to an absolute minimum this laminate is exclusively used for the IDOL LTD. Please note the reduced UV-stability!



EPOXY.BATTEN

Extremely stable, extremely durable. There is no higher load on the equipment as you get during Wave riding or Freestyle. Brute forces when getting washed or heavy wipe-outs can quickly spoil the fun. For this reason, from now on all wave and freestyle sails (except IDOL LTD) are equipped with brand new, extremely durable epoxy battens that can really survive anything. Some more evidence of the famous North Sails longevity.



HARDWARE

SUPER LIGHT X ULTRA DURABLE

RANGE 2018



THE LIGHTEST HARDWARE ON EARTH

LIGHTER & STRONGER THAN ALL

RANGE 2018



PLATINUM AERO 2.0

100%
matching

INTEGRATED RIG TECHNOLOGY - THE PERFECT RIG

North Sails is much more than just a sail brand. As only a harmonious unit of sail and hardware generates maximum power we put the same effort into our hardware components. For over a decade NorthSails has been one of the few brands, which still develop exclusive Windsurfing rig components. This guarantees that all NorthSails components are state-of-the-art, offer real innovations, work better, and when used in conjunction with a North sail generate the absolute maximum performance!

>35
years own developments

THE TRUE RIG BRAND

In addition to sails almost every other brand today also offers masts, booms and accessories. These Invariable items are called OEM products that are easily purchased at either of the two Asian producers. That's why their products are so similar: a color change here, a new print there and done. This way development or even innovation is out of the question. This is a real shame! Specifically designed rig components offer so much development potential - not only in terms of comfort, but as well in performance and durability. We already recognized this over 35 years ago back when we were the first sail brand developing our own booms. We are still shaping the future of windsurfing and promoting the sport so together with the team our engineers and technicians have spent even more time on the new rig components for 2016, for example creating the lightest boom on earth and a brand new front-end with amazing new features.

ENGINEERED AND MADE IN GERMANY

We are exceptionally proud to be the only rig brand still producing our booms and extensions 100% in Germany (except for PLATINUM and EPX models). In addition we use raw materials from Europe only. Of course in comparison to "made in China" that means higher productions costs. On the other hand only "made in Germany" guarantees you the unmatched NorthSails quality of our booms and extensions. With the clear conscience to inflict as little harm as possible to the environment with sustainably sourced material.



Product engineer: Ulrich Bitterolf

Product Managment/ Marketing: Raoul Joa

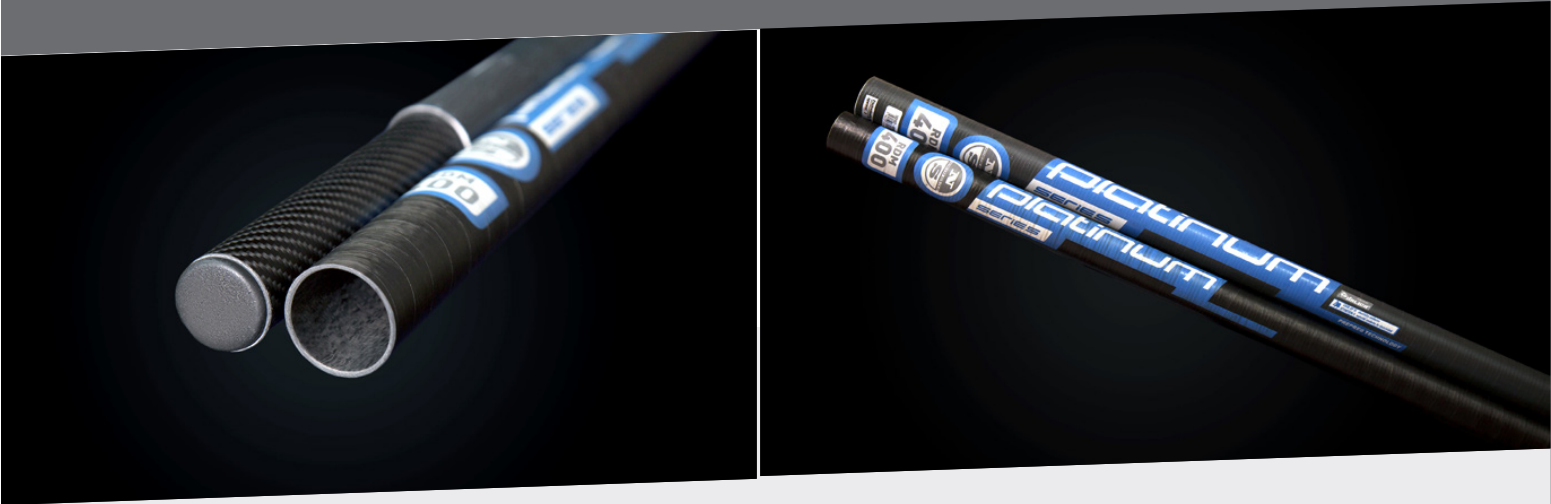
Sales / Marketing: Alexander Hasch

MASTS

TECHNOLOGY | RANGE 2018



Consider the mast like the fuel of each rig. With regular gasoline, a high-performance engine will never give its possible peak power, only fuel with high octane elicits the engine to its full potential!



GOLD: Upgraded with 10% additional carbon for improved durability and reflex/performance

NEW



SILVER: Upgraded with 10% additional carbon for improved durability and reflex/performance

NEW



The 2 lightest 100% Carbon RDM masts on the market



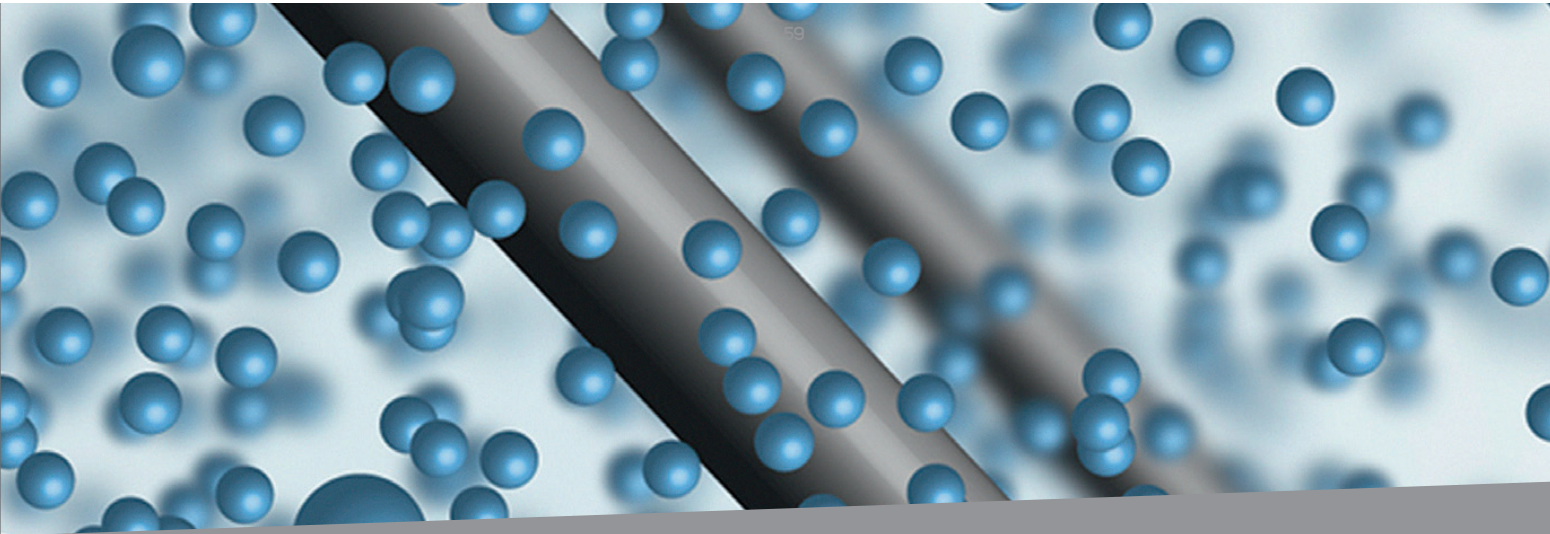
ALL RDM masts below 2 kg!



All masts are produced using NorthSails exclusive SENTEX™- Technology



And yet: 2 years unlimited warranty on all masts! (except AERO 3.0)



SENTEX™



100μ

Silica Nano spheres
Diameter:: 100nm
Thousands of nano sheres surround every individual carbon fibre giving a very even distribution of the particles throughout the resin.



7MICRON

Carbon fibers
Diameter:: 7 micron
Hundreds of fibers run the length of the mast providing flexibility and strength.



SENTEX™ Resin
Enhanced fortified matrix resin which supports and bolsters the carbon fibers to withstand a far higher degree of bending and loading than ever before.

SENTEX™ - UP TO 30% LIGHTER AND MORE DURABLE

NorthSails SENTEX™ Windsurf masts are the best masts we have ever produced. They are beautifully balanced, lightweight with crisp clean actions that provide both industry leading handling and reflex characteristics. They are also phenomenally strong thanks to the revolutionary nature of our new SENTEX™ material.

Background
SENTEX™ is the trade-marked brand name for NorthSails most advanced composite rod material. All SENTEX™ products utilize a Toray matrix resin. The specific mix of material used for SENTEX™ is exclusive, and therefore unique, to NorthSails. The improved strength/reduced weight was the headline for the technology, but the masts shine for a different reason—they're an absolute joy to Windsurf with. The masts feel light as a feather in hand and generate a superior reflex whilst delivering the highest breakage resistance.

The material
SENTEX™ is carbon fiber held together with a resin impregnated with silica nano spheres. This technology is brand new and produces a material that is significantly stronger and potentially lighter than traditional carbon

fiber. There are two key advantages provided by silica nano spheres:

1. The even distribution of the nano spheres throughout the resin providing equality of strength throughout the blank leading to crisp and clean mast reflex.
2. The second advantage is that silica nano spheres resist compression forces better than any other known material. This results in a mast that is at least 30% stronger than a standard carbon fiber mast without interfering with the action. The improved compression characteristic also greatly improves impact resistance and durability.

Because SENTEX™ material is stronger, in some cases less material is required and thus a mast can be lighter than an equivalent carbon fiber model. Weight savings of up to 30% are possible. That is the reason why every single NorthSails RDM mast is now the lightest on the market in its class. NorthSails SENTEX™ masts are the best masts we have ever produced. Are they the best masts in the world? That's for you to decide.

MAST FEATURES



RDM VS. SDM

In general there are two diameters, the SDM (standard) and the increasingly popular RDM (reduced) mast diameter. Not everyone knows that RDM masts make sense only up to lengths of around 430 cm, since they show a rather soft flex behavior as a result of their smaller cross section. Therefore, they are primarily suitable for Wave/Freestyle sails with the additional advantage that they are easier to grip during maneuvers. On the other hand large, mostly performance-oriented sails need stiffer masts with a “more direct” flex. This characteristic demands a larger mast cross section in order to ensure reaching the required stiffness.

UNIQUE FEATURE



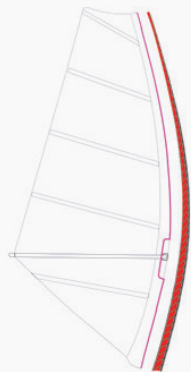
NATURAL WHITE POLY.SHIELD SURFACE PROTECTION

Now often imitated but still unrivaled: This is a highly abrasion-resistant material that is also used for ski and snowboard bases and is unique in its capabilities. Carbon fiber is very stiff, but not particularly resistant to abrasion. Especially in the area of the boom and camber, but also at the mast leading edge, the carbon fibers are now effectively protected by the POLY.SHIELD against abrasion. As the only brand we use un-dyed polyamide, in its natural white color, which improves the abrasion resistance compared to dyed polyamides by 20%.

NEW MAST MEASURING METHOD FOR SIGNIFICANTLY IMPROVED BEND CURVES AND INCREASED BREAKAGE STRENGTH

Thanks to our new mast measuring and our refined IMCS system, we were able to analyze the masts of all other brands. This allows us to say exactly how good NorthSails

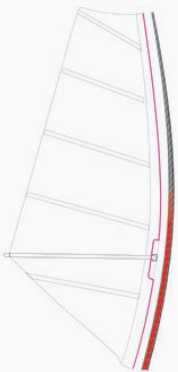
masts work with other brand sails or which masts from other manufacturers are compatible with NorthSails.



CONSTANT CURVE

NORTHSAILS COMPATIBLE MASTS/SAILS:

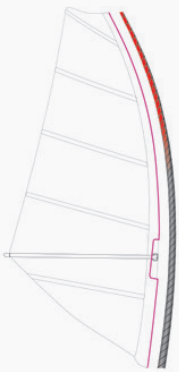
Aerotech / Ezzy / Hot Sails / KA Sails
Loft Sails / Sailworks / Simmer / XO
Sails / Naish Sails / Gaastra



HARD TOP

NORTHSAILS PARTLY COMPATIBLE MASTS/SAILS:

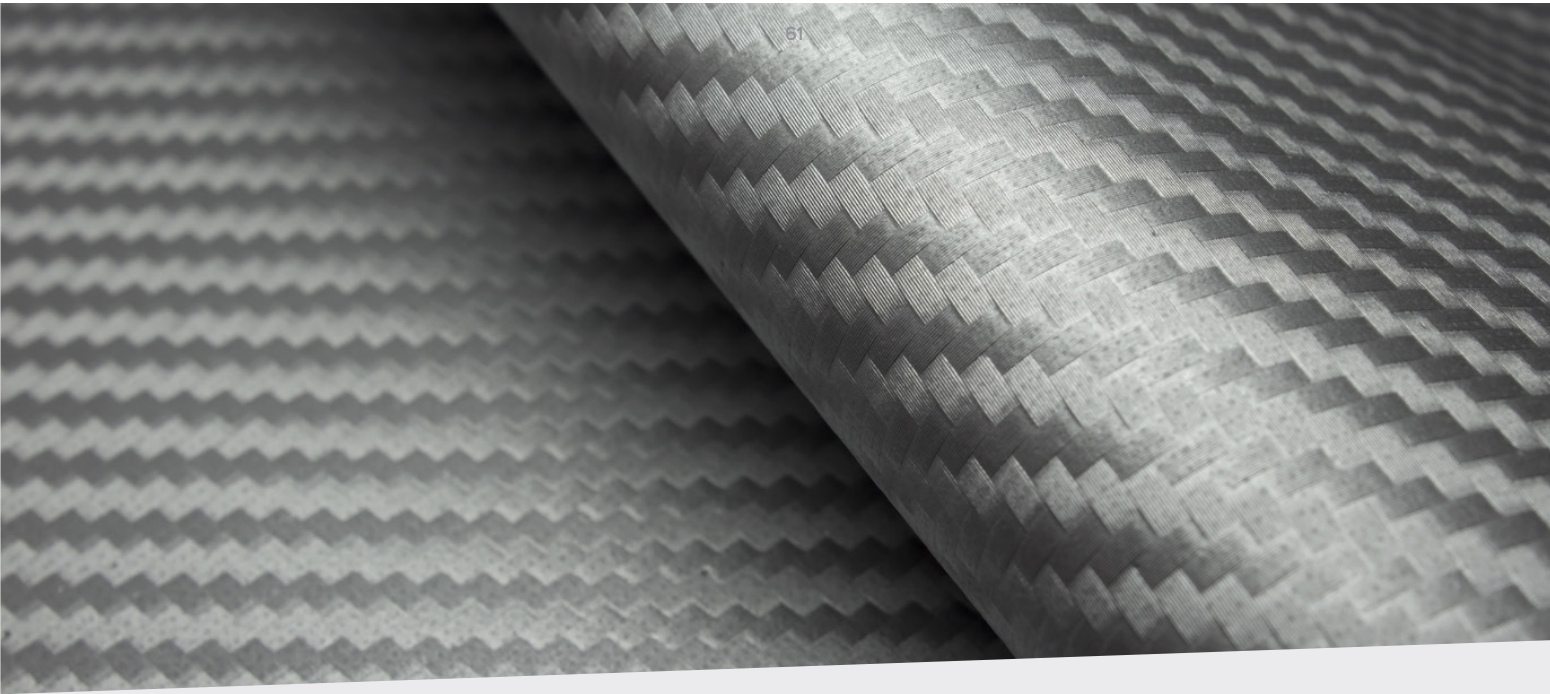
(at about 30-40% performance loss):
Gun Sails / Point 7



PROGRESSIVE FLEX TOP

NORTHSAILS INCOMPATIBLE MASTS/SAILS:

HARD TOP : Maui Sails / Severne
FLEX TOP: Goya / Tushingham
Neil Pryde



CARBON FIBER QUALITIES

THE essential quality criterion of carbon fibers when used for Windsurf masts is the bending-elongation of the fiber. The elongation measures the traction during bending until the fiber finally breaks. Carbon fibers are available with bending-elongation values between T300 and up to max T1000 with the T1000 carbon being 10-times as expensive as cheap T300 carbon. The lowest quality carbon fibers used on Windsurf masts have an elongation value of T300-400. This carbon has a bending-elongation that is just slightly higher than glass fiber. Therefore it's used on cheap “low-percentage carbon masts” only.

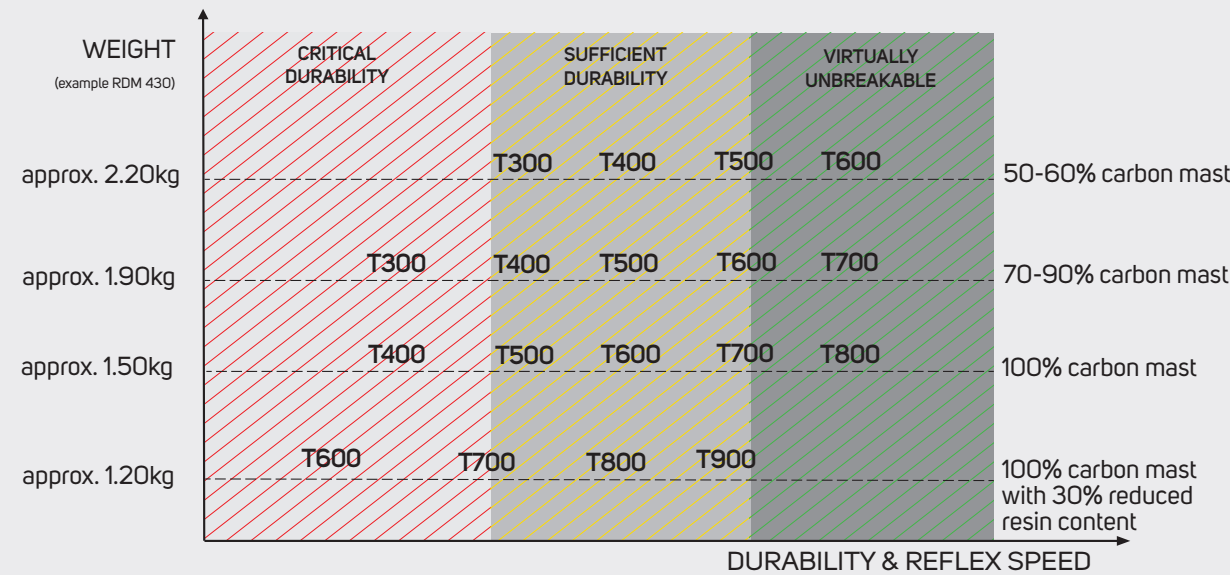
For a windsurf mast this means:

The higher the bending-elongation value of the carbon fiber raw material

> The faster the reflex speed (which ultimately increases the performance of your sail, similar to increased horse power in a car)

> The higher the breakage strength

80% of all brands nowadays use T400-500 for their top-level carbon masts. NorthSails uses T700 carbon for all SILVER masts, T800 for all GOLD and PLATINUM masts and T900 for the PLATINUM Aero 2.0 masts. Another advantage of the high quality carbon fibers is that you can reduce the resin content. For example the T900 fiber used for the PLATINUM Aero 2.0 mast allows us to reduce the resin content by 30%. This results in an unmatched low weight without the usual loss of durability.



PLATINUM AERO 3.0

CARBON: 100% | CARBON QUALITY: T900

LENGTHS	RDM	370	400	430
---------	-----	-----	-----	-----



Art. No.
14800-1610

DETAILS

Whether on flat water or in moderate waves, handling, reflex and speed of reaction are at an unprecedented level. Turning any rig into an absolute featherweight: ultra-light, ultra-dynamic, ultra-playful. After extensive research the brand new PLATINUM AERO 3.0 continues the legendary history of the world's lightest 100% carbon mast in an impressive manner. The goal was the optimization of the bend curve, reflex dynamics AND durability without adding weight. And in fact: at 370 length the PLATINUM

AERO 3.0 still weighs under 1,000 g, shows improved flex values and also an approx. 20% increased breaking strength. The secret is based on the modified geometry with slightly increased diameter, the technologically highest quality construction and the revolutionary, extremely light D4.SHIELD. Together they make the PLATINUM AERO 3.0 the most exclusive high-end freestyle mast in the world!

PLATINUM

CARBON: 100% | CARBON QUALITY: T800

LENGTHS	RDM	340	370	400	430
	SDM	400	430	460	490



Art. No.
14800-1609



Art. No.
14800-1609

DETAILS

The PLATINUM series was developed for World Cup pros and equipment freaks. The highly individual, extremely dynamic PLATINUM RDM is now produced using the AERO 1.0 construction achieving a weight reduction of more than 30% compared to its predecessor! Even in the most hardcore conditions freestyle record World champ Gollito Estredo and wave hero Victor Fernandez exclusively use PLATINUM masts!

All SDM lengths, particularly the large ones however feature race-oriented constructions. Of course both RDM and SDM are manufactured using the AEROSPACE.PREPREG.TECHNOLOGY, the most precise and sophisticated technology currently available. That why as the first brand we offer an unconditional 2-year warranty on a 100% carbon mast!*



GOLD.90

CARBON: 90% / CARBON QUALITY: T700

LENGTHS	RDM	370	400	430
	SDM	430	460	490



Art. No.
14800-1601



Art. No.
14800-1601

DETAILS

More carbon, more performance, higher load strength! The new GOLD.90 with 90% high-tech T700-Carbon is manufactured using the latest prepreg construction. Apart from the slightly reduced carbon content all models are technically identical to the PLATINUM. The excellent dynamics and harmonic bend curve make the GOLD.90 the lightest and highest

performing mast in its class. Being super light and yet extremely durable the GOLD.90 is a high-quality mast for all conditions. We give our word on this with an unrestricted two-year warranty! *



SILVER.70

CARBON: 70 % / CARBON QUALITY: T700

LENGTHS	RDM	370	400	430
	SDM	430	460	490



Art. No.
14800-1600



Art. No.
14800-1600

DETAILS

NorthSails top seller now comes with 70% carbon content. This saves weight and supports the well-known durability. All SILVER.70 shine with a remarkably strong overall performance and low weight, which is achieved through the use of high-quality carbon and using the sophisticated AER-OSPACE.PREPREGREGREGREGREG.TECHNOLOGIE process. The RDM versions are technologically advanced needle masts with all the dynamic advantages of thin geometry (RDM adapter not included).

On the SDM lengths the white POLY.SHIELD coating of the base avoids scratching and abrasion as well as thermal overload. A slightly wider winding in the boom area avoids slipping! To ensure a two-year unlimited warranty please make sure to register your mast (www.north-windsurf.com/eng/warranties/register), otherwise only the statutory claims count.



BLACK.50

CARBON: 50 % / CARBON QUALITY: T600

LENGTHS	RDM	370	400	430
	SDM	430	460	490



Art. No.
14800-1612



Art. No.
14800-1612

DETAILS

The current entry class in the world of NorthSails masts. BLACK.50 is the newly developed, dynamic and sporty all-arounder with 50% carbon content and a universal, balanced bend curve. It fits not only to our sails, but is also compatible with many other sail brands and models. The high

breaking strength and attractive price make it a first choice for a very wide target group.



BOOMS

TECHNOLOGY | RANGE 2018



90% of all other booms on the market are equipped with the same front-end from China, which usually differs only in color or design details. Especially in major components we at NorthSails are investing heavily in research and development to be far ahead of the competition. A prime example of this is the completely redesigned and absolutely unique iFRONT 2.0 front-end. It combines maximum ease of use with highest functionality, lowest weight and guaranteed durability.



The lightest front-end on earth



The lightest carbon booms on the market



The 2 lightest aluminum booms on the market



And yet: 2 years unlimited warranty on all booms! (except AERO 3.0 and RED)

Boom technology

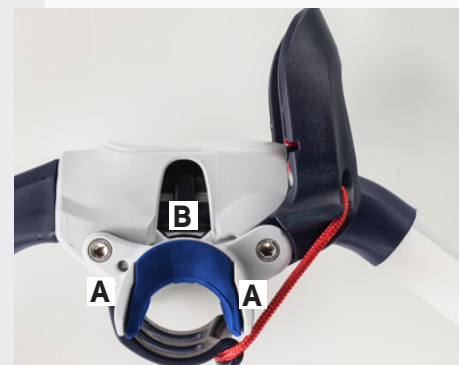
iFRONT 2.0



iFRONT 2.0 THE LIGHTEST FRONT-END ON EARTH!

This technical masterpiece makes all NorthSails booms even more functional: iFRONT 2.0 the front-end of the next generation improved in every aspect.

Designed under aerodynamics as well as weight-oriented aspects the iFRONT 2.0 doesn't just look slimmer and smoother. It's actually a whopping 35% lighter than its predecessor and with 345 grams it is the lightest front-end on the market!



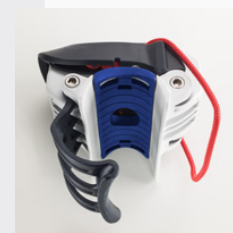
THE UNIQUE CONSTRUCTION OF THE NEW iFRONT 2.0 COMBINES THE ADVANTAGES OF PREVIOUS CONCEPTS IN ONE FRONT-END

A Vertikal stiffness

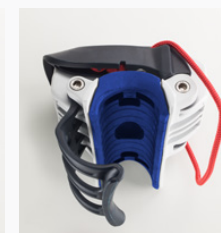
Unlike other front-ends we use 50% longer stainless steel axle-bolts which are directly connected to the side walls. Thus, we obtain a maximum vertical/torsion stiffness, which results in an extremely direct connection/transmission of boom to mast (= maximum performance).

B Horizontal stiffness

The partially recessed center of the collar gives the iFRONT 2.0 a kind of hinge function, so that the collar adjusts to any mast diameter (= very smooth on the mast and extremely slip resistant).



SDM friction pad



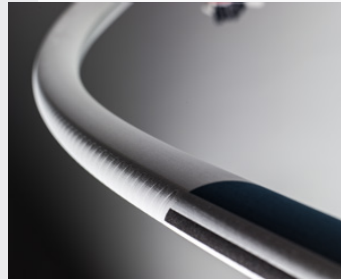
RDM friction pad

PERFECT FIT GUARANTEED ON SDM AS WELL AS RDM MASTS

We know of no other front-end that fits so smoothly around the mast and thus protects the mast as effectively as possible.

This exceptional fit is guaranteed on SDM as well as RDM masts as the iFRONT 2.0 can easily be adapted through the exchange of 2 different friction pads.

BOOM FEATURES



PROTECTION.GRIP-INSERT

High abrasion resistant grip

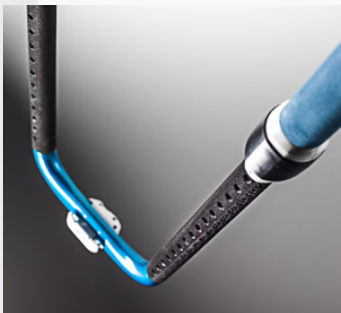
An extra stiff EVA insert at the outside of the tubes effectively prevents surface damage when rigging.



OUTSIDE.TAIL

For 20% increased stiffness of the boom

All PLATINUM RACE SERIES booms feature the individual OUTSIDE.TAIL.END with an increased diameter. The high cross-section makes the boom 20% stiffer.



INSIDE.GRIPPED.TAIL

The ultimate tail-end grip

The EVA-gripped tail-end guarantees anti-slip. A reduced diameter of the inside tail-end additionally increases grip-comfort up to a maximum.

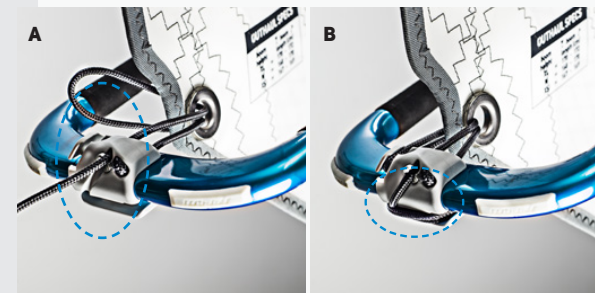
BOOM FEATURES



iTAIL.RACE.FITTING

Rigging without threading - even when using an outhaul-system

The ultimate highlight is the all new iTAIL.RACE.FITTING. The Teflon-POM synthetics build rollers feature a minimum of friction. Additionally, this unique solution allows looping the rope even when using an outhaul-kit!



iTAIL.WAVE.FITTING

Frictionless alignment plus excess rope storage

The iTAIL.WAVE featuring 2 revolutionary details:

- A** The patented Loop-Loop-Go fitting guarantees an ideal 100% frictionless alignment of the rope!
- B** Instead of tying the excess rope around the tube you just wrap it around the integrated "bridge" at the bottom side - the cleanest and fastest solution ever!



STANDARD.FITTING

Comfortable rigging

The trusted and reliable tail-end featuring the classic loop-loop-go fitting for maximum comfort.



EXTERNAL TAIL-FITTINGS – FOR MORE COMFORT AND PERFORMANCE

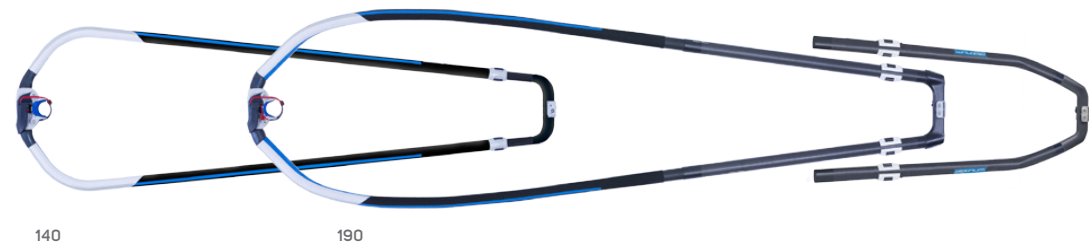
Especially on carbon booms most brands integrate the fittings into the tail-end to generate a clean look. We prefer external fittings and achieve 2 crucial advantages:

1. Much lower weight
2. Features and functions that no other brand can offer (see iTAIL.RACE.FITTING and iTAIL.WAVE.FITTING).
3. Super easy to exchange

PLATINUM AERO 2.0

100% PREPREG-CARBON | CARBON QUALITY: T900

SIZES	Wave	140 - 190
	Race	190 - 250



Art. No.
14600-1406

DETAILS

Material: T900 Prepreg-Carbon + SENTEX™ with PROTECTION.GRIP
Front-end: iFRONT 2.0

Tail-end 140: INSIDE.GRIPPED.TAIL with iTAIL.WAVE.FITTING
Tail-end 190: OUTSIDE.TAIL with iTAIL.RACE.FITTING

Admit it, you want it: Here comes the logical continuation of what we have already demonstrated with the PLATINUM AERO mast. PLATINUM AERO is the lightest boom in the world and the ultimate in technology, weight and processing. However the incredibly elaborate production allows just an extremely limited number (first come first serve). Due to the highest quality of materials and unique production process it's a fabulous 400 g lighter than the already very light PLATINUM counterpart. Despite the "anorexia" the PLATINUM AERO convinces with sensational stiffness,

ultra direct feel, application-specific features and bending curves that make it a "must have" for high-end riders. Aside from the fact that the AERO version is only available in two lengths (140-190 / 190-250), it has all the features of the regular PLATINUM (see below). A warning though that we need to express; high-end technology has its price, so don't be shocked.



PLATINUM

100% PREPREG-CARBON | CARBON QUALITY: T800

SIZES	Wave	140 - 190	150 - 200	Hybrid	160 - 220
	Race	170 - 230	190 - 250		240 - 290



Art. No.
14800-1404

DETAILS

Material: T800 Prepreg-Carbon + SENTEX™ with PROTECTION.GRIP
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 170/190/240: OUTSIDE.TAIL with iTAIL.RACE.FITTING

The carbon PLATINUM made in AEROSPACE.PREPREG.TECHNOLOGY is an absolute must for performance-oriented experts. Thanks to the mega stiff monocoque construction, it is considered to be the lightest and stiffest boom on the market. It is an open secret that even PWA professionals from other brands now buy the PLATINUM!
To meet the highest requirements, we now offer three different models:

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

Wave Series:
The bend-curves of the PLATINUM.WAVE sizes have been completely redesigned. The smaller opening angle at the front and the wider tail result in the new EVEN.CURVE, which ensures a uniform pull onto front- and backhand. This improves the handling during wave riding and freestyle moves and leaves the rider feeling less fatigue. It comes with the iTAIL.WAVE.FITTING featuring a patented loop-loop-go fitting (perfect friction-free rope alignment) and a complete non-slip EVA gripping! For maximum gripping comfort all PLATINUM.WAVE booms still come with an inside tail-end. Thanks to popular demand, we offer the new PLATINUM again in 150 cm length ideally fitting for larger wave sails from 4.2.

Hybrid Series:
The Wave/Freeride version with HYBRID.CURVE was developed especially for sail sizes 4.5 to 7.8. This bend curve fits perfectly with these kinds of sail sizes and types. For unique grip comfort and a secure hold during duck jibes, the tail end also features the INSIDE.GRIPPED.TAIL. In addition to being incredibly lightweight, the all-new 2.0 iFRONT front-end and the rigidity of the monocoque construction; probably make this the highest quality wave/freeride boom that has ever been produced.

Race Series:
The long PLATINUM booms feature mature Race/Formula bend-curves and are equipped with the iFRONT 2.0 head to ensure minimum torsional flex. The new length 170 - 230 cm now also comes with a slim 28 mm diameter being ideal for smaller slalom sails as well as covering all freeride sail sizes. PLATINUM 190 and 240 feature an individual OUTSIDE.TAIL.END for 20% increased stiffness avoiding the loss of stiffness even when fully extended. Another highlight is the iTAIL.RACE.FITTING featuring low-friction Teflon-POM rollers. Absolutely unique: The rope can be looped even when using an outhaul trim system (patent pending).





SILVER SERIES

7075 ALUMINUM

SIZES	Wave	140 - 190	150 - 200	160 - 210
	Slalom	180 - 230	200 - 250	



light blue
140 | 150 | 160

180 | 200



dark blue
140 | 150 | 160

Art. No.
14800-1401

180 | 200

DETAILS

Material: 7075 Aluminum with PROTECTION.GRIP
(30% increased stiffness compared to regular aluminum tubes)

Front-end: iFRONT 2.0
Tail-end: INSIDE.TAIL with iTAIL.WAVE.FITTING

The SILVER series is manufactured in BONDED.TECHNOLOGY (cannot be dismantled), using 7075 high-tech aluminum. Famously used with high tech mountain bikes this material makes the arms 30 % stiffer than ordinary aluminum tubes. In combination with the subsequently hardened front-tube providing 20 % increased stiffness the new SILVER series offers massive advantages in durability. We are so convinced by this technology that we are giving 2 year full warranty, even including bending!

The SILVER series (140, 150, 160 cm) consists of 3 segments and has a one-piece alloy tail-end next to the innovative iFRONT 2.0 head. The length-specific RDM tubes with a 28 mm or 30 mm diameter (starting at

180 cm) combine super-high rigidity with great comfort. The NewSchool bend-curves of the lengths 140, 150 and 160 cm ensures a uniform pull onto front- and backhand. Further more the entire SILVER line is now equipped with the brand new iTAIL.WAVE.FITTING which guarantees a perfect friction-free rope alignment (patent pending). Also new is the PROTECTION.GRIP, an extra stiff EVA stripe on the outside of the tubes, which effectively prevents surface damage when rigging. A total of five boom lengths are available, making the SILVER series fit perfectly for all sails from Wave up to Performance.



RED

T8 ALUMINUM

71

SIZES	Wave	140 - 190	150 - 200
	Freeride	160 - 210	180 - 230



140 | 150

160 | 180

Art. No.
14500-1400

DETAILS

Material: T8 Aluminum
Front-end: iFRONT 2.0

Tail-end: INSIDE.TAIL with STANDARD.FITTING

The latest RED-generation is produced in high-tech BONDED.TECHNOLOGY. The boom arms and the head are "melted" together with special aerospace-standard glue. The brand-new iFRONT 2.0 ensures maximum comfort and the easiest handling as its flex and stiffness are perfectly adjusted towards the demands of the target group. The 2 short lengths feature an ultra-modern PROGRESSIVE.BENDCURVE and a reduced diameter of 28mm. All other lengths come with a classic bend-curve and

30mm diameter. An additional contribution to safety and superior comfort comes from the DOUBLE.PIN.LOCK system, which firmly locks the boom while preventing the tubes from twisting. Due to its individual bend-curves the RED series suits almost all type of sails from all brands (RDM adapter not included).



EXTENSIONS & BASES

TECHNOLOGY | RANGE 2018



Some call it fanaticism; we call it attention to detail. Even in supposedly unimportant components like an extension or mast base there is a lot of potential, you just have to realize it. This requires the courage to think differently and to patiently rethink or question even proven designs. That's exactly what our engineers have done together with the team when it came to developing an innovative and high quality extension and a completely new, universal mast base system. The top priority in addition to the functionality and ease of use was the durability, a universal range of use, compatibility with all other branded systems and the lowest possible weight. The new program beats all requirements by far!



The only extension featuring a integrated ratchet system



The most advanced standard Mast extension on the market



The lightest mast extension on earth



The lowest and lightest mast base system with central screw!



2 YEARS UNLIMITED WARRANTY on all extensions and bases (except AERO)



INNOVATIVE ACCESSORIES FOR
IMPROVED PERFORMANCE AND
MORE TIME ON THE WATER



Extension technology

POWER.XT 2.0

Convincing (r)evolution: The POWER.XT 2.0 is much more, impossibly better in everyway than its predecessor. Hard to see, but true: The POWER.XT 2.0 has been completely redesigned. Besides the basic idea it has almost nothing in common with its predecessor. From the brand new, extremely solid ratchet mechanism, the simplified release function and the high-strength Lyros Dyneema rope up to the possibility to upgrade the POWER.XT 2.0 with a damper function - the POWER.XT 2.0 can do so much more and everything better. Since its introduction 10 years ago the POWER.XT is the unmatched standard, when it comes to extensions with trim aids. Anyone who has used it once never wants to be without it. Thanks to the integrated lever it handles all downhaul forces and allows precise trim adjustments and fine tuning even on the water. Even kids can use it to cope the extreme downhaul tension of modern slalom sails. Each profile is adjusted with millimeter precision in seconds.



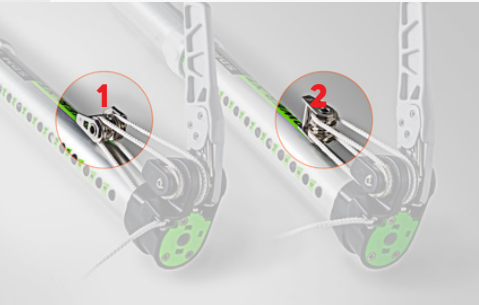
INTEGRATED.RATCHET

Advantages when setting up the sail

- › Faster rigging (attach rope-loop – pull on standard-cleat – ratchet, ready!)
- › Significantly less power required (power ratio approx. 1/60)
- › No need for trimming tools (e.g. "easy-rig" or harness hook)

Advantages on the water

- › Adjustments can be made even on the water, increasing as well as releasing (e.g. when the wind speed changes)
- › Increased safety
- › For the first time the sails performance and wind range are exploited to the full



2.THREAD.SYSTEM

Compatible with all sail brands

As the POWER.XT uses only one open metal pulley the rope is just looped over the pulley - the fastest and most comfortable way of rigging.

Threaded through however, the POWER.XT 2.0 now is also 100% compatible with twisted roller blocks (e.g. Gun, Loft, Naish, Severne).

1. Naish, Gun, Loft, Severne, P7 2. NorthSails, NeilPryde, GA, Goya, Simmer



RAPID.RELEASE

Benefits during de-rigging

Thanks to RAPID.RELEASE the sail-tension can be instantly released. Due to the modified position of the standard cleat, just place one foot on the extension and pull the rope with a short jerk out of the standard cleat - done.

POWER.XT AERO RDM 34

WEIGHT: 530 G

Extension range : 4-34 cm



Art. No.
14800-7303

According to our philosophy "Heavy Duty - ultralight, ultra durable" here comes the ultimate POWER.XT 2.0 in exclusive Aero carbon technology. Despite the integrated ratchet mechanism there are just 3 carbon extensions on the market, which are even lighter. Yet extremely rigid, highly durable and incredibly sexy. Of course, with all the features of regular POWER.XT 2.0. Attention: SHOX upgrade not possible.

POWER.XT RDM 36

WEIGHT: 690 G

Extension range : 4-36 cm



Art. No.
14800-7304

POWER.XT SDM 28/42

WEIGHT 28: 670 G
42: 770 G

Extension range 28: 2-28 cm
Extension range 42: 2-42 cm



Art. No.
14800-7304



SHOX.UPGRADE.KIT POWER.XT 2.0

WEIGHT: RDM 120 G/ SDM 170 G



Art. No.
14800-7305

SHOX.UPGRADE.KIT for pioneering damping technology

From now on all POWER.XT 2.0 can be upgraded with the unique NorthSails SHOX suspension system. SHOX, the first integrated shock absorber that adds a chassis to the board, similar to a full-suspension on a mountain bike. Especially in choppy conditions it smooths out the board and the rig, absorbing chop and the impact after landing. Tests in all leading Windsurf-magazines have proven that the rig doesn't bump, the

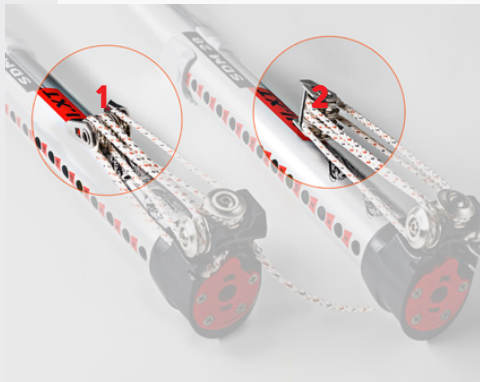
rider can convert the wind power much more effective into acceleration making you a proven 2-3 knots faster, and also preserves the equipment and your joints. Whether speed, racing or freeride, the new POWER.XT in combination with the SHOX.UPGRADE.KIT definitely guarantees more control, more speed and more comfort. In the wave the SHOX suspension system provides cushioned landings and increased board control when going down-the-line as well as when crossing the white water.

Extension technology

UNI.XT

The most advanced yet lightest standard mast extension we’ve ever built! Now also in exclusive Aero carbon technology. Especially with standard extensions everyone has probably encountered nasty surprises at some point. Endless fiddling to find a frictionless rope thread, incorrect roller alignment being incompatible with the orientation of the roller block at the sail, power-consuming trimming due to a small surface for supporting the foot. All of these problems are a thing of the past with the UNI.XT!

At first glance this high-strength and super solid extension might seem to occur like many other extensions, but it’s stuffed with real innovations that make the UNI.XT an unparalleled product.



2.THREAD.SYSTEM

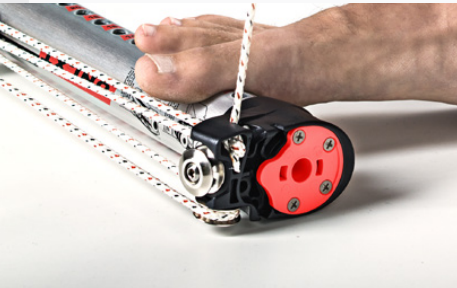
Compatible with all sail brands. Is there anything more annoying than unpack the sail and then to realize that the sails tack rollers orientation does not fit together with the extension? When threading the rope takes forever? The UNI.XT solves this once for all through a technically ambitious and entirely new arrangement of the rollers. The rollers sit in the cup so that protected from damage while preventing injuries. The UNI.XT solves this once for all through a technically ambitious and entirely new arrangement of rollers. The rollers sit in the newly developed cup so that they are protected from damage while preventing injuries. This arrangement ensures an absolutely frictionless alignment of the downhaul rope in combination with 0° tack rollers (e.g., North Sails, NeilPryde, Gaastra, ...) as well as with 90° rotated roller units (e.g., Gun Sails, Loft, Naish, Severne). This saves power by reducing the friction and protects the rope. At the same time this arrangement for the first time allows the loop-loop-go function with absolutely all sail brands! Means no annoying and time-consuming threading through the rollers - simply loop the rope-loop over one of the outer tack rollers and you can immediately start downhauling.



DOUBLE.FOOT.TRIM

30% power saving

In terms of rigging comfort the new UNI.XT offers much more than existing standard extensions. In order to ensure the most effective tensioning of the downhaul we have designed the cup under ergonomic points of view incorporating the DOUBLE.FOOT.TRIM. Through the intelligent positioning of the cleat, it is now possible to prop with both feet against the cup, and thus cope far greater forces avoiding lower back strain. Now you can use the same technique for the downhauling as in rowing, where you naturally also use both feet to mobilize maximum power through pushing with the feet rather than pulling through your back. That saves approx. 30% power!



RAPID.RELEASE

Lightning-fast de-rigging

Due to the modified position of the standard cleat, just place one foot on the extension and pull the rope with a short jerk out of the standard cleat - done.

UNI.XT AERO RDM 34

WEIGHT: 420 G

Extension range : 4-34 cm



Art. No.
14800-7300

According to our philosophy "Heavy Duty - ultralight, ultra durable" here comes the ultimate UNI.XT in exclusive Aero carbon technology. Super light yet extremely rigid, highly durable and incredibly sexy. Of course, with all the features of regular UNI.XT. Attention: SHOX upgrade not possible.

UNI.XT RDM 36

WEIGHT: 580 G

Extension range : 4-36 cm



Art. No.
14800-7301

UNI.XT SDM 28/42

WEIGHT 28: 540 G / 42: 640 G

Extension range 28: 2-28 cm
Extension range 42: 2-42 cm



Art. No.
14800-7301

SHOX.UPGRADE.KIT UNI.XT

WEIGHT: RDM 120 G/ SDM 170 G



Art. No.
14800-7302

SHOX.UPGRADE.KIT for pioneering damping technology

All UNI.XT extensions can be upgraded with the unique NorthSails SHOX suspension system. SHOX is the first integrated shock absorber, which adds a chassis to the board similar to a full-suspension on a mountain bike. Especially in choppy conditions it smooths out the board and the rig, absorbing chop and the impact after landing. Tests in all leading Wind-

surf-magazines have proven that the rig doesn't bump, the rider can convert the wind power much more effective into acceleration making you a proven 2-3 knots faster, and also preserves the equipment and your joints. Whether speed, racing or freeride, the new UNI.XT in combination with the SHOX.UPGRADE.KIT definitely guarantees more control, more speed and more comfort. Of course the SHOX.UPGRADE.KIT is available for both UNI.XT SDM and RDM in all lengths!

iBASE FEATURES



LOWEST PROFILE, EXTREME DURABILITY

To guarantee that the iBASE 2.0 can be attached and detached without any tools in seconds, it was deliberately designed with a central screw. Although these solutions usually require a relatively high profile, our engineers have found a solution that makes it the lowest base of its kind. Since there is nothing in the way, the risk of injury to feet and toes is as small as possible. In contrast to conventional mast bases, which are made of Zytel plastic, the new iBASE is the only one produced using the much stiffer material called POM, which improves the durability.



ONE FOR ALL - JUST ONE BASE FOR ALL CONDITIONS

We are 100% convinced that absolutely everyone in all conditions and for all disciplines needs only one base. The flexibility and ease of de/attaching makes the need for different bases and systems simply obsolete.

Free choice of the connection joint

With the iBASE 2.0 you can choose from three new, super high-quality connection joints that are slightly softer or stiffer just as you prefer:



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. And: Why do you have to unscrew the joint from the base when changing the joint? Both annoyances are a thing of the past with the iBASE. It features a convenient sand-resistant release option, which allows you to remove the connection joint by simply pulling the stainless steel U-wire. Or for the first time ever have the free choice of different kind of joints.

Another advantage of this triggering function: carrying a replacement joint/tendon you are back on the water within seconds in the unlikely event of a failure, rather than resulting in a time-consuming repair of the joint/tendon.

EVEN SAFER

A. For all hardcore freaks the release button can now be optionally be fixed with a screw (PERMA.LOCK.OPTION) which blocks the release function.

B. Should the iBASE ever become stuck to the board after long storage times, now two holes allow using a screwdriver as a lever to release the base



iBASE 2.0

WEIGHT: 105 G



Art. No.
14400-7318 (plate only)

With the iBASE 2.0 you can choose from three new, super high-quality connection joints that are slightly softer or stiffer just as you prefer:

iTENDON

WEIGHT: 150 G



Art. No.
14130-8010 (only)
14400-7315 (incl. iBase 2.0)

With this innovative heavy-duty tendon, we raise the bar all the way up in terms of reliability, performance and safety. Instead of the usual polyurethane material for the first time a BASF High-tech material is used for the connecting string, which is about 50% tougher and more durable. Maximum security is granted through the DYNEEMA.SAFETY. SYSTEM - a highest quality Dyneema kite safety line that is integrated into the BASF-tendon guarantees absolute safety. Extremely lightweight, extremely tear-resistant and absolutely stretch-free.

iTENDON.SHOX

WEIGHT: 100 G



Art. No.
14130-8011 (only)
14400-7317 (incl. iBase 2.0)

Identical to iTENDON, the SHOX-version comes equipped with the revolutionary Shox-attachment instead of the North pin. Thus, the iTENDON. SHOX is compatible with all extensions with SHOX.UPGRADE.KIT and makes the iBASE the ideal fitting base. All these unique features do not lead to any additional weight, something other bases in the market cannot claim to achieve!

JOINT

WEIGHT: 200 G



Art. No.
14130-8012 (only)
14400-7316 (incl. iBase 2.0)

This rather classic version uses the legendary, slightly softer PowerJoint original. For safety it comes with an outside safety rope. Since the North-pin has been established as the standard on the market for decades, the joint can directly be used with approx. 90% of all mast extensions on the market. (attention: not compatible with EPX.XT)

EPX SERIES

TECHNOLOGY | RANGE 2018



Windsurfing is pure fascination. Once you've tried it, you're hooked forever. Avoiding boundaries when entering and progressing into the most beautiful sport in the world, we have brought the EPX program into life. It's a selection of rock-solid rig components at affordable prices that have been developed, designed and tested together with the VDWS program.

EPX.RDM/SDM Mast

RDM: 230 | 290 | 340 370 | 400 | 430
SDM: 430 | 460



Art. No.
 14400-1625 (RDM)
 14500-1616 (SDM)

A modern epoxy mast in a trendy RDM-design. Dynamic, solid and easy to hold on to during maneuvers due to the small diameter. Three lengths from 230-430 cm cover all essential sail sizes (incl. kiddy sizes down to 1.0 m²). Thanks to the standard diameter all masts are compatible with any RDM extension. The EPX RDM works with almost all sails no matter which brand.

EPX.CUP RDM



Art. No.
 14500-8011

Functional base cup with 3 rollers that fits directly into each RDM mast.

EPX.XT RDM 36

EXTENSION RANGE: 4-36



Art. No.
 14800-7309

Fitting all EPX masts we offer this solid 36 cm RDM extension. Its proven pin adjustment system allows a reliable and secure length adjustment. Thanks to RAPID.RELEASE the sail-tension can be instantly released. Due to the modified position of the standard cleat, just place one foot on the extension and pull the rope with a short jerk out of the standard cleat - done.

EPX.GROM MAST

AL.200 = 200 +AL.TOP I = 260/290
 +AL.TOP II = 300/330



Art. No.
 14800-1620

The first children and junior mast that grows with you! With only three exchangeable aluminum parts you can generate a total of 5 mast lengths: 200 cm, 260 & 290 cm as well as 360 & 390 cm. The universal bend-curve and the balanced flex fit perfectly to all kid and grom sails. An additional advantage is the 32 mm base diameter, which now allows the use of any standard RDM extension. Please note the maximum body weight of 50 kg!

EPX.BASE+POWERJOINT



Art. No.
 14120-8511

Worldwide the most used mast base in surf centers with original Power Joint completes the EPX program. Including tool-less operation and adjustment in seconds!

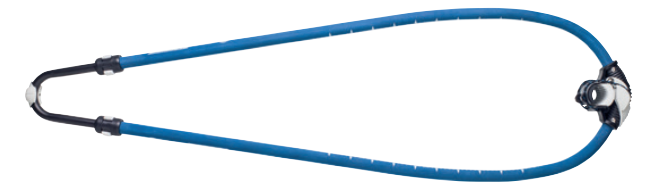
EPX BOOM/EPX.BOOM GROM

EPX

140 - 185 | 160 - 210

EPX Grom

90 - 120 | 125 - 165



Art. No.
 14800-1411
 14400-1410

This aluminum boom comes with a universal curve for a very wide range of use. The proven, easy-to-use front-end fixes the EPX boom onto the mast avoiding slippage. The classical adjustment system allows a super fast length-adjustment. Two basic lengths cover all main sail sizes.

EPX BOOM GROM

Specifically tailored towards children and young guns with reduced tube diameter, so that also small hands have a secure grip. Front- and tail-end as well as the length adjustment are super easy to operate. Also on the GROM model the universal curve fits almost all sail types and brands. Two lengths cover the use of a broad range of sail sizes.

EPX.BASE+TENDON



Art. No.
 14400-7320

The classic, well-proven mast base with heavy duty tendon. Tool-less mounting and easy adjustment.

TUNING PARTS

RANGE 2018

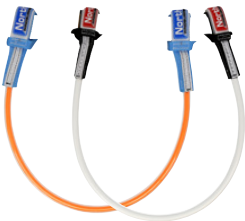


HARNESS LINES

New: Length-specific design. Since longer lines have more tendency to swing, these versions are stiffened by special reinforcements in the webbing area. On the shorter versions however, these reinforcements are reduced in order to guarantee the correct degree of swing. Now with two fresh colour options available!

FIXOR LINES

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

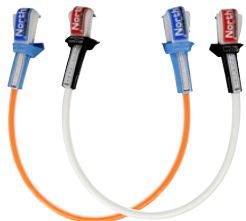


Art. No.
14800-8003

Stretch-free rope with 2mm high-density PU tubing

FIXOR PRO LINES

22/24/26/28/30 INCH



Art. No.
14800-8002

Replaceable without dismantling the tail-end

VARIO SL LINES

22-28 / 28-34 INCH



Art. No.
14800-8001

VARIO SL harness lines, especially made for slalom sailors. Weight optimized due to composite buckle.

VARIO RACE LINES

22-28 / 28-34 INCH



Art. No.
14800-8000

On-the-fly length adjustable racing harness lines.

UPHAUL COZY



Art. No.
14400-8000

Extra fluffy, extra cool

UPHAUL LINE PRO



Art. No.
14060-8006

Extremely light, doesn't swing

OUTHAUL KIT RACE



Art. No.
14070-8019

Maximizes the tuning range of your sails, an absolute must for Racing and large Performance sails.

OUTHAUL KIT UNIVERSAL



Art. No.
14600-8009

It's extremely easy to mount, lighter thanks to the composite buckle and can be mounted on one or both sides. This makes it suitable for both race-freeride or even wave usage and gives you the ability to quickly adjust the trim at all times.

CARBON.XTENDER PLATINUM 40

RDM: 40 CM
SDM: 40 CM



Art. No.
14800-7306

The ultimate 40cm mast extension featuring our most high-tech, ultra-light PLATINUM construction. Now it's possible to use sails with a size difference of up to 3.5m2 with one and the same mast!

QUIVER FLIGHT.LIGHT

SMALL = MAST UP TO 430 /
LARGE = MAST UP TO 490



Art. No.
14800-7000

Super light, simple carrying bag with fixed handles (approx. 70% = 3 kg lighter than standard Quiverbags). In order not to exceed the weight limit especially for air travel. Holds up to 3 rigs and is available in two sizes (S, approx. 1.5 kg, L, ca.1.7 kg)
S: max. mast lenght 430, ca. 1,5 kg and L: max. mast lenght 490, ca. 1,7 kg

BOOM PROTECTOR



Art. No.
14080-8007

Foam padded boom shell which protects the board-nose from impact caused by catapults.

MAST BASE PROTECTOR



Art. No.
14060-8004

Pre-formed EVA protector for your toes

ROOF RACK PAD



Art. No.
14080-8008

For use with oval or round racks, foam padding, Velcro closure.

TEAM WEAR

RANGE 2018



T-SHIRT - GIRLIE WINDSURFING

XS - L
HEATHER STEEL GREY



Art. No.
14802-5012

T-SHIRT - MAUI SAIL DESIGN

S - XXL
HEATHER STEEL GREY



Art. No.
14802-5013

T-SHIRT - EST. 1981

S - XXL
WHITE



Art. No.
14802-5010

T-SHIRT - SINCE 1981

S - XXL
WHITE



Art. No.
14802-5011

T-SHIRT - LOGO

S - XXL
DARK HEATHER DENIM / BLACK / WHITE



Art. No.
14802-5050



RASHGUARD

S - XL
WHITE



Art. No.
14700-5000

ZIP-HOODIE - WS TECH

XS - XXL
DARK HEATHER DENIM / BLACK / WHITE



Art. No.
14800-5215

HOODIE - SINCE 1981

XS - XXL
DARK HEATHER GREY



Art. No.
14800-5214

CAP NEWERA
A-FRAME EST. 1981

ONE SIZE / GREY-BLACK



Art. No.
14700-5812

CAP NEWERA
EST. 1981

ONE SIZE / WHITE-NAVY



Art. No.
14700-5811

BEANIE NORTH

ONE SIZE / NAVY



Art. No.
14800-5822

BEANIE 2 IN 1

ONE SIZE / GREY



Art. No.
14700-5810

CAP A-FRAME
NORTH

ONE SIZE / NAVY-GREY



Art. No.
14800-5823

SPECIFICATIONS 2018

EXTENSIONS & BASES

EXTENSION

AERO RDM 34

- > Super light Aero carbon technology
- > INSIDE.SEALING, avoids any water intake
- > Extension range: 4-34 cm
- > Attention: SHOX upgrade not possible

POWER.XT 2.0



Weight: 530 g
Art. No.: 14800-7303

UNI.XT



Weight: 420 g
Art. No.: 14800-7300

RDM 36

- > Extension range: 4-36 cm



Weight: 690 g
Art. No.: 14800-7304



Weight: 580 g
Art. No.: 14800-7301

SDM 28/42

- > Extension range 28: 2-28 cm
- > Extension range 42: 2-42 cm



Weight 28: 670 g / 42: 770 g
Art. No.: 14800-7304



Weight 28: 540 g / 42: 640 g
Art. No.: 14800-7301

SHOX.UPGRADE.KIT



Weight: RDM: 120 g/ SDM 170 g
Art. No.: 14800-7305



Weight: RDM: 120 g/ SDM 170 g
Art. No.: 14800-7302

Supported by
www.ub-tech.de
UB.TECH
Ingenieure für Produktentwicklung

EPX.XT RDM 36

- > Extension range: 4-36 cm



iBASE 2.0



iBASE 2.0
Weight: 105 g
Art. No.: 14400-7318
(only)



JOINT
Weight incl. iBase: 305 g
Art. No.:
14130-8012 (only)
14400-7316 (incl. iBase 2.0)



iTENDON
Weight incl. iBase: 255 g
Art. No.:
14130-8010 (only)
14400-7315 (incl. iBase 2.0)



iTENDON.SHOX
Weight incl. iBase: 205 g
Art. No.:
14130-8011 (only)
14400-7317 (incl. iBase 2.0)

RACE X PERFORMANCE

WORLD CUP SLALOM

WARP F2018



	Size	4,7	Speed	5.4	6.2	7.0	7.7	8.4	9.0	9.4
Boom max (cm) ¹	177		184	202	214	224	231	241	tbc	
Luff max (cm)	405		411	426	452	484	504	516	tbc	
Camber	4		4	4	4	4	4	4	4	
Battens	7		7	7	7	7	7	7	7	
Weight (kg)	5.00		5.20	5.60	5.80	6.00	6.30	6.50	6.60	
Mast: Geometry ³	SDM/--		SDM/--	SDM/--	SDM/--	SDM/--	SDM/--	SDM/--	SDM/--	
Mast: Length ²	400		400	400	430	460	490	490	490	
Art. No.	14800-1214									

PERFORMANCE SWITCH.CAM

S_TYPE SL



C07



C19

	Size	6.0	6.6	7.3	7.8	8.3	8.8	9.3
Boom max (cm) ¹	200		210	218	226	230	237	244
Luff max (cm)	436		448	464	474	495	509	519
Vario top •	•		•	--	-	--	--	--
Camber	3/2		3/2	3/2	3/2	3/2	3/2	3/2
Battens	6		6	7	7	7	7	7
Weight (kg)	4.90		5.10	5.30	5.60	6.00	6.30	6.60
Mast: Geometry ³	SDM/--		SDM/--	SDM/--	SDM/--	SDM/--	SDM/--	SDM/--
Mast: Length ²	430/460		430/460	460	460	490/460	490	490
Art. No.	14800-1213							

PERFORMANCE NO.CAM

E_TYPE



C07



C14



HD

	Size	5.4	5.8	6.2	6.6	7.3	7.8	8.2
Boom max (cm) ¹	176		182	190	196	204	209	219
Luff max (cm)	427		434	443	462	473	472	496
Vario top •	--		--	--	--	--	--	--
Battens	6		6	6	6	6	7	7
Weight (kg)	3.90		4.10	4.30	4.50	4.70	5.00	5.30
Mast: Geometry ³	RDM		SDM/RDM	SDM/RDM	SDM/RDM	SDM/RDM	SDM/--	SDM/--
Mast: Length ²	430/400		430	430	460/430	460	460	460/490
Art. No.	14800-1211 / HD: 14800-1212							

FREESTYLE X WAVE

ULTRALIGHT FREESTYLE COMP

IDOL LTD



	Size	3.6	4.0	4.4	4.8	5.2	5.6
Boom max (cm) ¹	142		150	155	156	170	174
Luff max (cm)	374		378	399	419	435	445
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 ³	RDM/--		RDM/--	RDM/--	RDM/--	RDM/--	RDM/--
Mast: Length ²	340/370		370	370	400	430/400	430
Art. No.	14800-1206						

FREEWAVE

SUPER SESSION



C07



C14



HD

	Size	4.0	4.4	4.8	5.2	5.6	6.0	6.4
Boom max (cm) ¹	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 ³	RDM/SDM		RDM/SDM	RDM/SDM	RDM/SDM	RDM/SDM	RDM/SDM	RDM/SDM
Mast: Length ²	370/400		370/400	400/430	400/430	430	430	430
Art. No.	14800-1207 / HD: 14800-1208							

WAVE ALL.IN.ONE

SUPER HERO



C01



C02



C18



HD

	Size	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) ¹	140		142	147	151	156	159	164	168	172	177	179	185	191
Luff max (cm)	351		357	361	374	380	390	404	410	422	438	444	455	464
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 ³	RDM/--		RDM/--	RDM/--	RDM/--	RDM/--	RDM/--	RDM/--	RDM/SDM	RDM/SDM	RDM/SDM	RDM/SDM	RDM/SDM	SDM/RDM
Mast: Length ²	340/370		340/370	340/370	370/400	370/400	370/400	400/370	400	400	430	430	430	460/430
Art. No.	14800-1200/ HD: 14800-1203													

SPECIALS

SMALLER-FRAME RIDERS

NOW



	Size	2.8	3.2	3.6	4.0	4.4
Boom max (cm) ¹	135		141	147	154	161
Luff max (cm)	293		324	341	365	379
Vario top •	•		•	•	•	--
Battens	3		3	3	3	3
Weight (kg)	2.00		2.10	2.20	2.30	2.40
Ideal mast:	EPX RDM		EPX RDM / Platinum	EPX RDM / Platinum / Gold	EPX RDM / Platinum / Gold	EPX RDM / Platinum / Gold
Mast: Length ³	290		290/340	340/370	340/370	370
Art. No.	14800-1218					

SPECIALS

SCHOOLING

DRIVE CLOTH



C01



C02

	Size	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) ¹	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
Ideal mast:	EPX Grom		EPX Grom	EPX	EPX	EPX	EPX	EPX RDM	EPX RDM	EPX RDM	EPX RDM	Silver
	AL.200/		AL.200/	RDM290/	RDM290/	RDM290/	RDM340/	370/	EPX 400/	EPX 430	430	SDM 460
	EPX		EPX	EPX Grom	EPX	EPX	EPX	RDM400	RDM430			
	RDM230		RDM230	AL.200 +	RDM340	RDM340	RDM370					
				AL.Top I								
Mast: Length ²	200/230		200/230	290	290/340	290/340	340/370	370/400	400/430	430	430	460
Art. No.	14400-1210											

¹ can be up to 3cm shorter depending on boom height position

^{2,3} Best/Alternative

CX = Carbon.Xtender 40

SPECIFICATIONS 2018

BOOMS



Platinum Aero	Wave	Racing
Length (cm)	140 - 190	190 - 250
Weight (kg)	1,95	2,70
Boom diameter (mm)	27,5	30
Adapter incl.	RDM	SDM
Art. No.	14600-1406	



Platinum	Wave	Wave	Hybrid	Racing	Racing	Racing
Length (cm)	140 - 190	150 - 200	160 - 220	170 - 230	190 - 250	240 - 290
Weight (kg)	2.20	2.30	2.50	2.70	3,10	3,20
Boom diameter (mm)	27,5	27,5	28	28,5	30	30
Adapter incl.	RDM	RDM	RDM+SDM	SDM	SDM	SDM
Art. No.	14800-1404					



Silver HD	Wave	Wave	Wave	Freerace	Freerace
Length (cm)	140 - 190	150 - 200	160 - 210	180 - 230	200 - 250
Weight (kg)	2,35	2,45	2,55	2,80	3,10
Boom diameter (mm)	28	28	28	30	30
Adapter incl.	RDM	RDM+SDM	RDM+SDM	SDM	SDM
Art. No.	14800-1401				



Red	Wave	Wave	Freeride	Freeride
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.	SDM	SDM	SDM	SDM
Art. No.	14500-1400			

EPX	Classic	Classic	Classic	Classic
Length (cm)	XXS (90 - 120)	XS (125 - 165)	S (140 - 185)	M (160 - 210)
Weight (kg)	1,50	1,80	2,40	2,60
Boom diameter (mm)	25	25	29	29
Adapter incl.	•	•	•	•
Art. No.	XXS/XS: 14440-1410		S/M: 14500-1411	

PLATINUM AERO 2.0

Material: T900 Prepreg-Carbon + SENTEX™

Front end: iFRONT 2.0

Tail end 140: INSIDE.GRIPPED.TAIL with iTAIL.WAVE.FITTING

Tail end 190: OUTSIDE.TAIL with iTAIL.RACE.FITTING

PLATINUM

Material: T800 Prepreg-Carbon + SENTEX™

Front end: iFRONT 2.0

140/150/160: INSIDE.GRIPPED.TAIL with iTAIL.WAVE.FITTING

170: INSIDE.TAIL with iTAIL.RACE.FITTING

190/240: OUTSIDE.TAIL with iTAIL.RACE.FITTING

SILVER SERIES

Material: 7075 aluminum

Front end: iFRONT 2.0

Tail end: INSIDE.TAIL with iTAIL.WAVE.FITTING

RED

Material: T8 aluminum

Front end: iFRONT 2.0

Tail end: INSIDE.TAIL with STANDARD.FITTING

EPX

SPECIFICATIONS 2018

MASTS



Platinum Aero RDM			
Length (cm)	370	400	430
IMCS	17	19	21
Weight (kg)	0,98	1,15	1,30
Carbon (%)	100	100	100
Carbon quality	T900	T900	T900
Art. No.	14800-1610		



Platinum RDM/SDM**						
Length (cm)	340	370	400	430	460	490
IMCS	15	17	19/19	21/21	25	28
Weight (kg)	1,05	1,15	1.30/1.60	1.50/1.70	1,90	2,00
Carbon (%)	100	100	100/100	100/100	100	100
Carbon quality	T800	T800	T800	T800	T800	T800
Art. No.	14800-1609					



Gold RDM/SDM**					
Length (cm)	370	400	430	460	490
IMCS	17	19	21/21	25	28
Weight (kg)	1,50	1,60	1.80/1.80	2,00	2,30
Carbon (%)	90	90	90/90	90	90
Carbon quality	T700	T700	T700	T700	T700
Art. No.	14800-1601				



Silver RDM/SDM**					
Length (cm)	370	400	430	460	490
IMCS	17	19	21/21	25	28
Weight (kg)	1.70	1.80	2.00/2.20	2.30	2.50
Carbon (%)	70	70	70/70	70	70
Carbon quality	T700	T700	T700	T700	T700
Art. No.	14800-1600				



Black RDM/SDM**					
Length (cm)	370	400	430	460	490
IMCS	17	19	21/21	25	28
Weight (kg)	2.10	2.20	2.30/2.30	2.40	2.60
Carbon (%)	50	50	50/50	50	50
Carbon quality	T600	T600	T600	T600	T600
Art. No.	14800-1612				

EPX RDM/SDM**							
Length (cm)	230	290	340	370	400	430/430	460
IMCS	7	9	14	17	19	21/21	25
Weight (kg)	1,10	1,40	1,70	2,00	2,30	2.70/2.55	2,80
Carbon (%)	0	0	0	0	0	0/25	25
Art. No.	14400-1625						

EPX.AL	AL.200	AL.200+AL.TOP I	AL.200+AL.TOP II
Length (cm)	200	260/290	300/330
Weight (kg)	0,85	1,15	1,30
Material	Aluminium	Aluminium	Aluminium
Art. No.	14400-1620	14400-1624	14500-1615

PLATINUM AERO 3.0

Carbon: 100%

Carbon quality: T900

Resin quality: SENTEX™

Special: D4.SHIELD

PLATINUM

Carbon: 100%

Carbon quality: T800

Resin quality: SENTEX™

Outside protection: NATURAL.WHITE.POLYAMIDE (SDM only)

Special: ALUTEX.SHIELD (SDM only)

GOLD.90

Carbon: 90%

Carbon quality: T700

Resin quality: SENTEX™

Outside protection: NATURAL.WHITE.POLYAMIDE (SDM only)

SILVER.70

Carbon: 70%

Carbon quality: T700

Resin quality: SENTEX™

Outside protection: NATURAL.WHITE.POLYAMIDE (SDM only)

BLACK.50

Carbon: 50%

Carbon quality: T600

Resin quality: SENTEX™

EPX

Carbon: 25% (SDM)

EPX.AL

Attention: max. allowed rider weight: 50kg

**RDM REDUCED DIAMETER 32 mm
SDM STANDARD DIAMETER 48mm



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