



GUNSAILS



「2022」





WELCOME

We are leaving an exciting and turbulent year 2021 behind us. We have only rarely seen so much enthusiasm for the windsurfing sport and our products. We would like to thank you for all of this! Due to your support and feedback we are continuously working on the further development of our products and services. We offer more than high quality watersport equipment - GUNSAILS is a service commitment of a medium-sized family business.

Welcoming the year 2022 with numerous new developments and innovations, we are also celebrating our 35th anniversary. All our rig components have experienced an extensive update. With new sails, masts and booms, there is much to discover. With the introduction of the HY-Series we have launched a completely new range around the topic Wing and Foil.

We have also completely redesigned our bag collection. The collection offers many smart features and is now made of lightweight ripstop material made from recycled PET bottles. More environmentally friendly materials have also been used in the redesigned neoprene collection.

Probably our most significant innovation is the RE-SEAL. The world's first windsurf sail made from recycled material.

This is one of many steps we will take over the next few years to fulfill our responsibility and appreciation of our environment.

We are looking forward to continue this journey all together and are excited about the upcoming season.

Let's RE-THINK!

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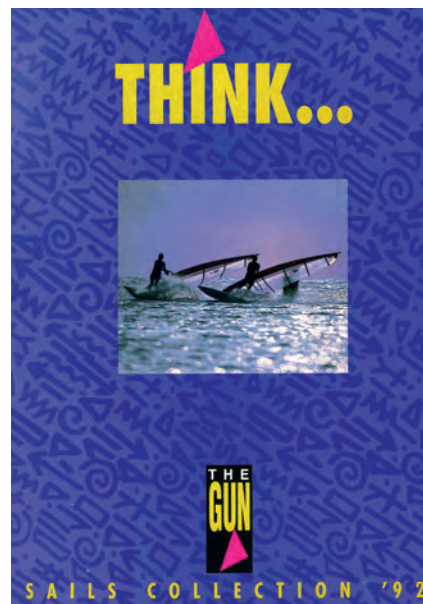
RE-THINK

Starting into 2022 we are honoured to celebrate 35 years of Gunsails. A proud heritage of the success story of the first and still only direct brand in Windsurfing. With the once revolutionary idea we have encouraged windsurfers to THINK before they buy. But why?

Thanks to our direct sales structure Gunsails incorporates everything from the development, sourcing, design up to customer service and the collection of your feedback. Every aspect of windsurfing out of one hand. That gives you the unique opportunity to be in direct touch with the brand: we know our products best and we will be able to guide, help and equip you within your windsurfing journey. No matter if it is spot advice or a spare part, we are here to help! We are a reliable family run company that is able to create high quality and innovative watersports equipment with the best value for money.

THINK before you buy, benefit from all the advantages of our direct selling structure and we will get your windsurfing gear directly to your doorstep.

However we live in a fast moving world that encourages us to adapt and live up to the challenges of today and the future. That is why we stay true to our direct heritage but we start to RE-THINK!



RE-THINK WATERSPORT

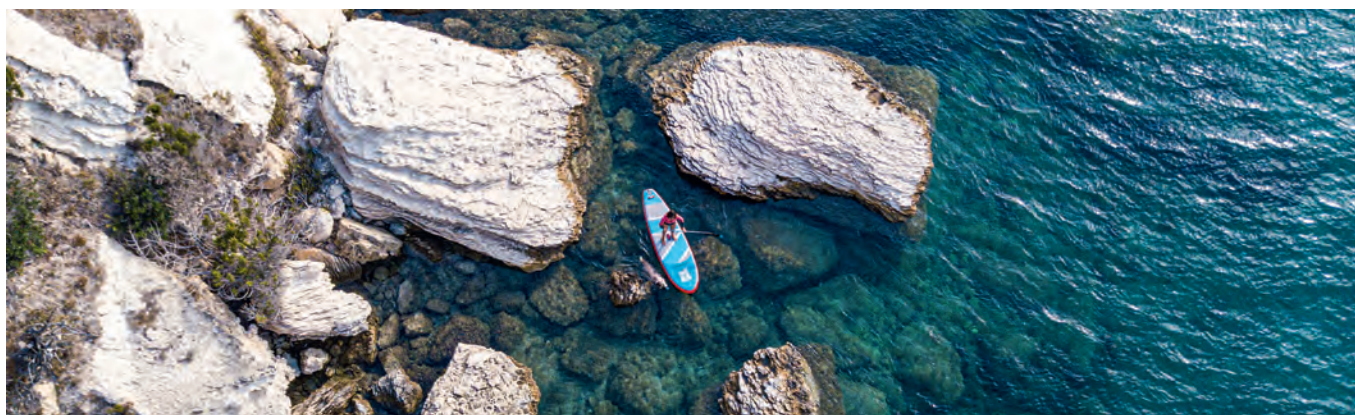
Watersports and windsurfing have become more diverse than they have ever been. With the evolution of the foil discipline the sport has extended its range of use, increased the excitement and has hooked us to the unique sensation of flying above water. That allows us to practice our passion at the lightest of breezes and makes us rediscover new spots and opportunities. With Wing surfing on the rise, we see constant innovation and endless potential to innovate ahead of us. With the option to inflate your gear, packing dimensions have become smaller and simpler than ever. An exciting time for the watersport scene. No matter if sail or wing, from now on we FLY HY!

RE-THINK OUR IMPACT

Let's face it - windsurfing sails are made out of plastic. The world's windsurfing equipment is packed in plastic. A threat to nature and oceans that we as water sports enthusiasts are depending on. We have always aimed for long lasting and durable material to get the maximum windsurfing time out of every sail. But that is not enough. That is why we RE-THINK our impact and present the world's first partly recycled windsurfing sail, a bag collection out of recycled PET bottles and a more eco-friendly wetsuit collection. And we continuously establish plastic free packaging within our products. Another step in our roadmap to continuously reduce our impact on the environment.

RE-THINK DESTINATIONS

The restrictions of the past 2 years have made us RE-THINK the destinations we travel to. Now we've rediscovered that opportunities to practice our favourite sport is always somewhere close by. If it's a lake, a river or the sea, planning or flying gives us the same sensation and excitement at home as in a tropical lagoon. As the situation slowly seems to turn back to normality, let's keep our local spots alive and let's be even more excited about the next windsurfing trip to another destination. We have been going along that path already for 4 years as we always organized our yearly photoshooting within Europe instead of flying across the globe. Lets RE-THINK!



RE-THINK GUNSAILS

We have been around for a while now and we have been known for high quality products at unbeatable prices and outstanding customer service. From being a reliable windsurfing brand Gunsails has evolved to an innovative water sports company with its own development centers in sail design and composite construction. In order to create one of the most sustainable and durable surfboard constructions in the world, we have been collaborating with prestigious German universities. We also work alongside gifted aircraft engineers within our foil development and we collaborate with like minded brands where we can. Next to our products we continuously develop our digital processes and service quality to offer you the best possible experience.

Thus, we are a company in continuous transition. However, some things will never change, next to our new diversity, increased innovation and quality competency we will stay the reliable and uncomplicated family business we have always been and we stick to our highest priority - happy and satisfied customers.



"We have always aimed for long lasting and durable material to get the maximum windsurfing time out of every sail."



SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM



RE-THINK

OUR PRODUCTS



THINK GREEN

Everything seems to be green now and we are wandering through a forest of labels, certificates and promises. As we are developing our roadmap to sustainability around the UN sustainable development goals we have already taken several first steps into a new direction. That is why we have decided to focus a big part of our effort to reduce our impact on the environment and become more resource efficient where we can actually control it best. Within our products!

RE-THINK SURFBOARD CONSTRUCTION



Within our own development center in composite construction in the Basque Country, we are creating one of the most sustainable surfboard constructions in the world. The patented HRT - Honey Roots Technology Construction is an innovative and versatile 3D structural glassing that allows the use of the highest content of natural and recycled materials. At the same time, the technology lives up to the highest demands in durability, vibration absorption and allows for precise flex definition. This technology will be released to the market in 2022 within our surf brand KANOA Surfboards but will soon find its way into windsurf- and wingboards. Stay tuned!



RE-SHELL BAG COLLECTION

Within our totally redesigned RE-shell bag collection we have replaced the outside fabric with the same durable but lightweight Ripstop fabric that is made from 100% recycled PET bottles.



"Sustainability and resource efficiency is a responsibility and challenge that starts within our R&D and moves its way through the whole supply chain and beyond. We strive to replace conventional materials with recycled or natural alternatives always having our unquestionable aspiration of the best possible quality and durability. These characteristics have been and will always be a substantial aspect of a sustainable product as it determines its lifetime."

Thilo v. Osterhausen
Product Development

RE-SEAL

The world's first windsurfing sail made out of recycled material

Gunsails is proud to announce the world's first partly recycled windsurfing sail. The RE-SEAL is built from polyester film made from recycled PET bottles replacing virgin materials in about 75% of the sail's surface. This is one of our first steps into a new direction and where to demonstrate the well known Gunsails durability best, then within our core Wave sail. As we replace our regular materials with a recycled alternative we use approximately 10 post consumer bottles per square meter and can save 400g of CO2 emissions. We will continue to develop material alternatives together with our suppliers in order to constantly reduce virgin plastic getting us closer to the long time goal of a circular economy production.

RE-THINK SAIL BAGS

Also each Sail of the 2022 Range, will be packed without plastic and is protected by a sail bag made from high quality ripstop material out of 100% recycled PET bottles. That means that each sail bag depending on the size is made out of 24-44 recycled PET bottles leading to a usage of approximately 192.000 recycled PET bottles in the year 2022.



"I am proud to hold the world's first partly recycled windsurfing sail in hand and have already demonstrated and proven its durability and performance in the gnarliest wave conditions"

Flo Jung G-213



Florian Jung, our long time family member, teamrider and environmentalist will join us on our journey to sustainability.

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WHY GUNSAILS?

With our direct sales structure we have fewer players involved in our supply chain.

What we save we pass on to you and we only invest to continuously improve our products and service quality. No profit goals and no money wasted. Just a promise by a family run business: We create high quality and innovative watersports equipment with the best value for money.

Also as we eliminate at least two transport operations in the value chain, a direct distribution is already more sustainable by its nature.

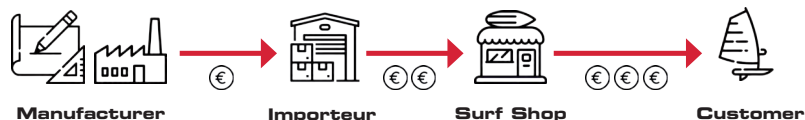
Direct Selling Model

GUNSAILS



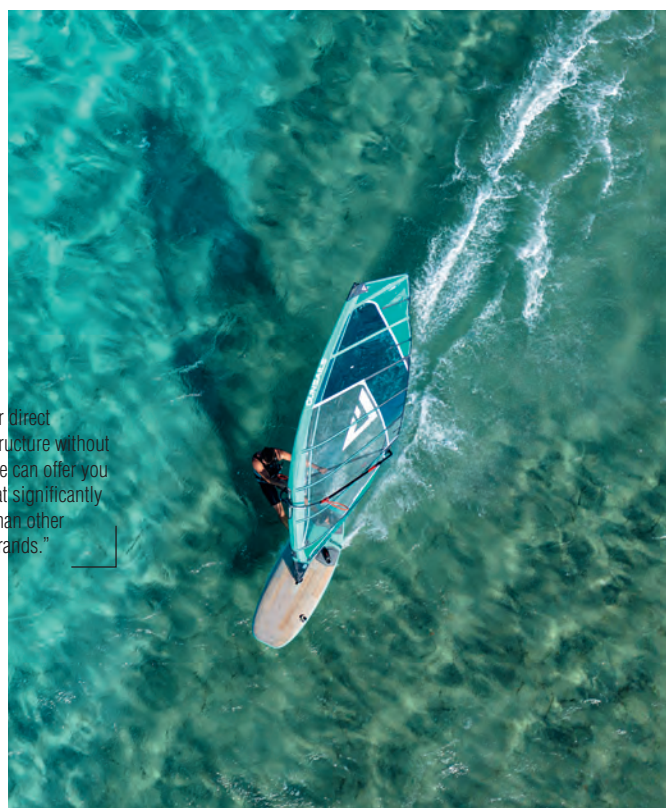
"Thanks to our direct distribution structure without middlemen, we can offer you our products at significantly lower prices than other windsurfing brands."

Undirect Selling Model



GUNSAILS.COM

The direct way to your new equipment is via our online shop. You won't get your material faster and easier. There you will find all information like rigging tutorials, test reports and exciting stories about GUNSAILS in our blog. You can use the search function, wish list or the product comparison - these are all useful features which will help you with your choice. Guest order or own customer account? Both are possible. With your own customer account, your data is memorized and you can always check your order history.





GET CONNECTED

New products, team rider updates, shows and events or exclusive deals – here you'll be the first to know. You can subscribe to the newsletter on our homepage. The subscription process is in two steps (double opt in). So don't forget to click on the confirmation link. Every 3-4 weeks we will inform you about news at GUNSAILS. Of course you can unsubscribe at any time via a link in every newsletter. You always want to be up to date? No problem! Get the newest brand info and trends on Facebook, Instagram and YouTube. Our social media team always updates the content and also checks your reactions and messages. So you are free to contact us via these channels as well. Follow us!

8 REASONS FOR GUNSAILS

DIRECT CONTACT

You can reach us personally from Monday to Friday from 9-18h.
Phone: **+49 (0)6893 80 110**

EASY SHOPPING VIA ONLINE

Shop easily from home or on the go with your smartphone.
The GUNSAILS Online Shop is always available for you.
www.gunsails.com
E-Mail: **service@gunsails.de**

FOUR PAYMENT METHODS

Currently you can choose from five payment methods at GUNSAILS:
Via SEPA direct debit - Via credit card (Visa or Master Card) -
Via PayPal - Via prepayment.

LOW SHIPPING COSTS

Within Germany we charge the following shipping fees: For small items up to 3 kg or neoprene: 5 EUR. For sails, masts, booms and other bulky items: 15 EUR. Back order deliveries are sent without extra charge. You can find the international shipping costs on our homepage.

PROFESSIONAL SHIPPING

We deliver with well-known parcel services (UPS, DHL) or forwarding agencies, so that your order arrives safely and reliably.

MONEY BACK GUARANTEE

You don't like an item and you want to return it? No problem, send the item back to us within 14 days and we will refund the purchase price immediately. For bulky items you can contact us, we will arrange the return.

GUARANTEE OF QUALITY

We are convinced of our product quality. GUNSAILS products are subject to strict quality control and are tested all year round by our team. Should you still have a complaint, we are your direct contact and will help you. We give 24 months warranty on sails, masts, booms, WindSups. 12 months on all other products.

THE SERVICE PROFESSIONALS

You need your sail repaired? You need a spare part? You need a direct shipment to the campsite during your holidays? No matter what it is, just contact us. We will be happy to help you find a quick and easy solution and are often very creative.



R&D



Our loft in Tarifa is the heart of the development of our sails and rig components. Sail designer Renato Morlotti has been leading a team of experienced technicians and testers here for over 20 years, working together on new concepts and designs for GUNSAILS sails. His eye for even the smallest detail and his precision are reflected in each of our sails.

Head tester Philippe Vigneron plans and completes countless test sessions with our team riders the whole year round. New prototypes are tested and developed almost daily. In addition to the experience of the test riders, the feedback of our customers and ambassadors also has an impact on the sails.

Thilo von Osterhausen, industrial engineer and son of the company's founder, is already coordinating the product development for the third year now and is pushing the innovation potential of the brand forward. As a significant link to our manufacturers, he searches for new materials and develops new technologies that will later be reflected in our products. Quality, performance and sustainability are his top priorities.

All together this team has an incredible know-how and many years of experience in the development of windsurfing sails – a guarantee for you that you will have a perfectly working product.



MEET THE TEAM

The GUNSAILS Team is part of the GUNSAILS Family and consists of international and national pro sailors. When selecting our team riders, we focus on long-term cooperation with talented windsurfers who embody this passion as much as we do. What counts for us is not the triple loop, but great characters, stylish moves and the identification with our brand values.

The feedback from our team is also an important factor in the ongoing development of all our products. Together we want to promote windsurfing, create unique stories, photos and videos and share our team's skills with you. You can find all information about our pros in the category «About us_Team».

The GUNSAILS Family also includes our Ambassadors: Selected and highly motivated sailors who live the sport and represent our brand at their home spot. You do not necessarily have to be a professional to spread the passion for our sport. So if you have any questions about the equipment and you meet one of our Ambassadors, just directly talk to him, they will be happy to help you.

All further information can be found in our Team section and in our blog. Check it out!

"With 35 years of experience, we have a clear concept of how to achieve our high standards and continuously improve our products."



REALIZING QUALITY & DURABILITY

GUNSAILS defines itself as first-class quality. This does not only apply to the products, but also to the customer service. Thanks to our direct distribution structure, we can offer this quality for the best price. But what exactly is behind our quality promise? With 35 years of experience, we have a clear concept of how to achieve our high standards and continuously improve our products.

Longevity ensures sustainability

Best materials as well as a robust and intelligent construction ensure durability and longevity. And the more durable a product is, the more sustainable it is. Our customers often report that they have been using their material for up to 20 years. This makes us proud and is another proof of the GUNSAILS quality.

Long lasting cooperation to our production partners

Thanks to many years of cooperation with our producers, development and production interact perfectly. Good communication and transparency in the production guarantee the implementation of our quality requirements. This includes regularly visits and audits to our manufacturers.

Quality control

Trust is good, control is better. Constant quality controls take place during the production as well as during the delivery of the products. This ensures that every product really fulfils what it promises. Here our development department in Tarifa plays an important role as well. They do not only test prototypes, they also regularly inspect finished products to check their implementation and continuity.

Stagnation is regression

We constantly work on the further development of our products. The feedback of our team riders, the know-how of our R&D as well as suggestions of our customers are part of this. These suggestions are not only restricted to products, they also influence our service and business processes. We are constantly striving to improve GUNSAILS quality promise.

The exception proves the rule

Despite all the controls, things can go wrong. But this is where our direct distribution has its benefits. We are the brand with the short ways, our service finds fast and uncomplicated solutions for each of your problems.



2 YEARS WARRANTY

The high-quality standard in material and processing, permanent quality controls in the factory as well as by our R&D team guarantee long-lasting product quality and durability. **We give 24 months warranty on our sails, masts, booms and WindSup.**



SAIL TECH

A GUNSAILS windsurf sail is a combination of selected and high-quality materials, combined with years of experience and construction know-how. Sail designer Renato Morlotti is responsible for the performance and quality of the sails.

In his working environment he has optimised everything down to the smallest detail. Every piece of material in the sail is continuously improved in terms of durability and weight savings. Only a closer look reveals the quality, good manufacturing and durability of a GUNSAILS sail.

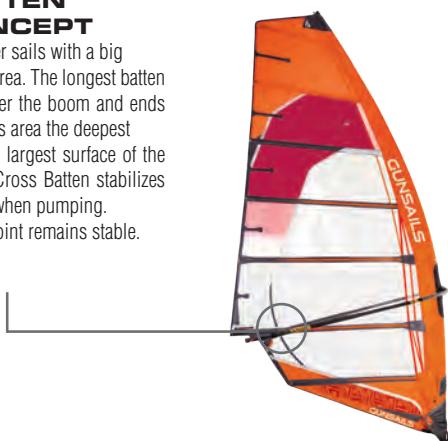


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CROSS BATTEN CONCEPT

Often used in flatwater sails with a big surface in the boom area. The longest batten of the sail starts under the boom and ends above the clew. In this area the deepest profile as well as the largest surface of the sail is located. The Cross Batten stabilizes this area, especially when pumping. The center of effort point remains stable.



SYMMETRICAL BATTEN SYSTEM

The alternating arrangement of the sail battens on the front and back of the sail allows a balanced tension and weight ratio. With this feature you have the same sail feeling, no matter which direction you are driving.

SYMMETRICAL BATTEN SYSTEM



REDUCED BOOM LENGTH

Shorter boom > better handling and control



On the more performance-orientated flatwater sails, the RBL cut is made directly on the batten above the clew and the eyelet is shifted inwards by up to 12 cm.



For wave and cross over sails as well as for the freeride sail Zoom, a concave cut is used from the batten above the boom to the clew, reducing the distance from the mast to the clew.

"Every piece of material in the sail is continuously improved in terms of durability and weight savings."

INTELLIGENT MATERIAL ASSEMBLY

The well-designed combination of different materials allows weight savings without losing stability. By varying the stretch behaviour of the individual materials, we can precisely define each sail profile under pressure and guarantee you consistent sail characteristics over the long term.



X-PLY

The all-time classic of the reinforced laminates. X-Ply does withstand higher punctual stress. In case of a cut, the threads avoid further damage. X-Ply is light, stable and has a good transparency. Therefore, it is used in the window area of the Wave- and Cross Over Sails.



SQUARE-PLY

The Square-Ply is based on the same concept as X-Ply material. However, the threads are aligned in a 90 degree angle and the material offers a higher overall thread density. That allows us to reduce the thickness of the included monofilm to save weight, but ensure durability at the same time.



MULTIDIRECTIONAL X-PLY

Multidirectional X-Ply is used in high stress areas. The thread layout shows a higher density of polyester yarn, thus making the material more resistant than the regular X-Ply. The additional vertical thread direction allows the material to take more tension and force in the critical tension line.



TENSION FRAME

The Tension Frame forms a functional unit with the smart clew construction. The Tension Frame holds the force from the clew and distributes the tension with the additional warp lines into the sail. The layout of the Tension Frame is designed to support the individual profile of every sail. Conclusively the Tension Frame improves the response of the sail and increases the profile stability. The stability of the construction ensures long term consistent sail characteristics.



KEVLAR STRETCH CONTROL

The targeted use of Kevlar Warp laminate allows us to precisely determine the stretch characteristics of each sail, ensuring a consistent sail profile and more response. The extremely light, unidirectional Kevlar threads have a very low stretch, even under highest loads. They are specifically positioned in each sail depending on its area of use. With Kevlar Stretch Control you will permanently find consistent characteristics and performance in your sail.

SMART CLEW CONSTRUCTION

The Smart Clew Construction is based on the specific and precise alignment of different materials. The result is an extremely durable clew area without additional weight. The Clew Construction setup, which varies depending on the type of sail, defines the direction in which tension and force are transmitted from the clew to the sail, thus supporting the stability of the profile.



SAIL FEATURES

To ensure the functionality, easy handling and durability of our products, we have developed various features over the years and made them our standard. The dedication and precision of our sail designer Renato Morlotti are once again evident in the individual details. An important factor that makes our quality possible and distinguishes us from other sail brands.



Fast Rigging Easy Doing

F.R.E.D.

F.R.E.D. will help you to find the optimal downhaul trim for your sail. The mark is found in the upper sail window. Simply trim the downhaul rope until the loose leech reaches the FRED mark.



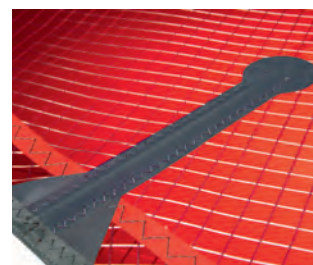
TOP GUARD

The large reinforcement at the sail top avoids abrasion and wearing out whilst rigging.



VARIO TOP

With some sails a Vario Top is used, which also allows the use of a longer mast. An additional loop is sewn on top of each sail. It serves to hook in the sail if you want to pull out the mast.



MINI BATTENS

Lightweight mini battens take control of the leech while twisting and avoid detrimental leech flutter. By that, the window fabrics are prevented from damage and the longevity of the sail is increased.



BATTEN GUARD

PVC logo labels on the batten pockets prevent wearing out and abrasion whilst rigging.



INTERNAL TRIM BATTEN

The Internal Trim Batten system is completely integrated into the batten pocket. The battens can stay tensioned in the sail. The fine adjustment ensures an optimal trim. The profiled end piece offers additional protection against abrasion. An Allen key to tension comes with each sail.



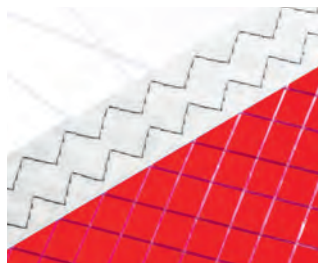
BOOM POSITION CONTROL

The printed height scale at the boom opening helps you to easily remember your personal boom position.



SLEEVE VOLUMER

The sewn PVC label keeps the mast sleeve open at the boom opening like a clasp making it easier to insert the mast.



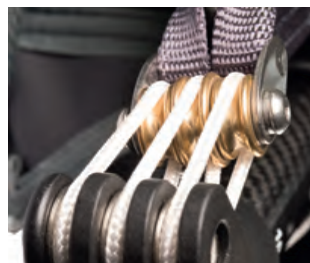
DOUBLE LOCK SEAMS

Double seams form the most stable connection between individual panels and different materials. They are used in stress zones as well as in areas of high tension and make your sail robust and durable.



MAST FOOT PROTECTOR

The new two-piece mast foot protector offers more protection for mast and board. The loop makes it easier to pull down the sail. Through an opening, the uphaul can be conveniently guided inside the protector. There is a mesh pocket on the inside. Excess rope etc. can be stowed here.



COMFORT PULLEY

The integrated triple pulley has large easy turning stainless steel rolls which greatly reduce the effort required for sail trimming.



TRIM SETTING

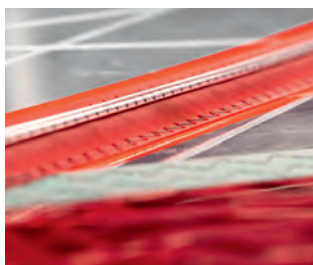
The luff length is patched on the mast protector. The boom length is also printed beside the clew.



OFFSET CLEW

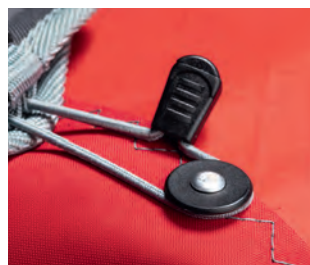
Horizon and Raise sails are equipped with two clew eyelets which are set asymmetrically for individual tuning.

- > Upper eyelet for more power
- > Lower eyelet for more control



POCKET GUARD

After rolling up the sail, simply attach the bungee rope and the sail can be stowed away easier and more space-saving.



STRAP ON

After rolling up the sail, simply attach the bungee rope and the sail can be stowed away easier and more space-saving.



FOOT GUARD

All seams in the significantly stressed foot area are protected by Dacron coverings. A PVC edging at the sail foot protects the leech edge against your board's nonslip coating.



WAVE & CROSS OVER

SEAL
RE-SEAL
HORIZON
TORRO
YEAH

18-19
18-19
20-21
22-23
24-25





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4 - B A T T E N C O R E W A V E

To describe the Seal in three words: It is fast, agile and maneuverable. In 2022, the 4-batten Core Wave Sail remains the ideal choice for radical wave maneuvers and strong wind conditions. With its stretched outline, enabled by the slightly longer luff curve and shortened boom, the Seal is light and controllable even in high-wind conditions. The Seal convinces with its easy handling and direct performance - in any kind of wave.

The Seal is still the lightest wave sail at GUNSAILS due to its large proportion of 3 mil square-ply. For 2022, the Dacron luff panel has been enlarged while at the same time the mast pocket curve has been accurately adjusted. The overall tension of the profile has thus been fine-tuned, resulting in an even more harmonious and softer overall appearance. The Seal offers the ideal mix of drive and neutrality and provides unbeatable ON/OFF behavior when riding waves. No matter if big wave or shorebreak - this wave sail masters every wave due to its central draft point, the refined OFF and the active twist. The focus of the sail's character is once again the neutrality in wave riding, which has been highly praised in magazin test reports, as well as the profile stability in maneuvers and overpowered conditions. An all-rounder for any type of wave, where you remain constantly in control through perfect handling. The Core Wave Sail for all wave conditions.



KEY FACTS

- > The lightest GUNSAILS Wave Sail
- > 100% X-Ply / Square-Ply and Kevlar Warp Laminates for the most extreme use
- > New two-piece mast foot protector provides more protection for mast and board
- > Perfect mix of drive, control and neutrality
- > Only RDM compatible



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



TENSION
FRAME



Flo Jung
G-213

"A great wave all-round package with lots of drive and a very large wind range in just one trim."



"Planing performance, control, handling - the GUNSAILS wave sail now ranks everywhere in the top group!"

surf 1-2/2021



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	SEAL EUR	RE-SEAL EUR
3.2	143	345	4	vario	15-17	Expert / Select	340/370	RDM	445,-	495,-
3.5	145	351	4	vario	15-17	Expert / Select	340/370	RDM	475,-	525,-
3.7	147	360	4	vario	15-17	Expert / Select	340/370	RDM	485,-	535,-
4.0	150	367	4	vario	15-17	Expert / Select	340/370	RDM	495,-	545,-
4.2	153	378	4	fix	15-17	Expert / Select	370/340	RDM	499,-	549,-
4.5	159	383	4	fix	16-18	Expert / Select	370	RDM	509,-	559,-
4.7	164	397	4	vario	16-19	Expert / Select	370/400	RDM	519,-	569,-
5.0	170	411	4	fix	18-20	Expert / Select	400	RDM	529,-	579,-
5.3	176	418	4	fix	18-20	Expert / Select	400	RDM	539,-	589,-
5.7	180	427	4	fix	18-20	Expert / Select	400	RDM	545,-	595,-

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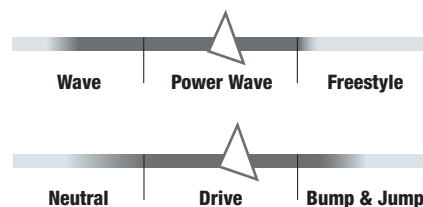
HORIZON

P W O A W V E R E

A wave sail that also ensures unlimited fun beyond the wave - our Horizon launches into the fourth season. The 5 batten power wave sail is truly an all-round talent and adapts to any conditions: whether radical wave maneuvers or bump & jump action. The Horizon is capable to do both and proves itself in the waves on Maui as well as on choppy or flat water on the North Sea. Top acceleration, right from the start. The Horizon delivers a speedy planing performance for a wave sail. Thus, even upwind courses are never a challenge with the Horizon. With its 3 mil light square-ply in the top section and a reduced weight, it is easy to maneuver, easy to control, and easy to handle in any situation. For the 22 series, the luff lengths have been significantly extended for the medium sail sizes. The longer aspect ratio allows the draft to sit a bit lower, making ON/OFF even smoother.

Another plus point: the Horizon is the chameleon among wave sails. Due to its adaptive size range, where each size is specifically designed to the according conditions, it covers an enormously wide wind range. The smaller sizes up to 5.0 sqm are designed rather for strong wind and radical wave action, whereas from 5.3 sqm onwards, the profile is a bit fuller and thus ideal for bump and jump and intense acceleration. 5.7 and 6.2 sqm can also be equipped with a SDM, smaller sizes are RDM only.

The Power Wave sail Horizon - as versatile as never, as action-packed as ever.



KEY FACTS

- > Extra power for more planing performance and lift
- > Wide range of use from Radical Wave to Bump & Jump
- > Offset Clew: Two offset clew eyelets for individual tuning, adjustment for power or control
- > 100% X-Ply / Square-Ply and Kevlar Warp Laminates for most extreme use
- > RDM compatible only (5.7 and 6.2 sqm also tolerate SDM)



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



TENSION
FRAME



David Jeschke
Ambassador

"For all those who love
a little more power and
are not overwhelmed
with it either."

"... a very flexible sail,
offered at the usual super
price and guaranteeing a
really wide range of use..."

Windnews Italia, 06/2021



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
3.7	147	365	5	vario	15-17	Expert / Select	340/370	RDM	479,-
4.0	150	381	5	vario	16-18	Expert / Select	370	RDM	495,-
4.2	156	383	5	vario	16-18	Expert / Select	370	RDM	505,-
4.5	161	393	5	vario	16-18	Expert / Select	370	RDM	515,-
4.7	165	405	5	fix	18-20	Expert / Select	400	RDM	525,-
5.0	172	413	5	fix	18-20	Expert / Select	400	RDM	529,-
5.3	177	425	5	vario	19-21	Expert / Select	400/430	RDM	539,-
5.7	180	442	5	fix	20-22	Expert / Select	430	RDM/SDM	545,-
6.1	184	450	5	fix	20-22	Expert / Select	430	RDM/SDM	555,-

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GUNSAILS.COM



TORRO

A L L T E R R A I N
F R E E M O V E

We celebrate 15 years of Torro!

No other GUNSAILS model has ever accomplished such a milestone. For 15 years, the Torro has mastered all disciplines, whether wave, freestyle or freeride. The All Terrain Freemove sail has always impressed with its versatility and its wide range of use. Due to these and many more reasons, the Torro represents the all-time favorite model of many GUNSAILS customers: a freemove sail that can simply provide more. As a result of continuous development by our R&D team, the 5-batten Torro convinces with its innovative appearance: robust X-Ply in combination with 3 mil Square-Ply in the top and 2 mil Kevlar Warp Laminate ensure an even lighter sail sensation as well as durability and stability. The integrated Kevlar Lines guarantee consistent sailing characteristics and constant stretch - regardless of the use. Thanks to their compact shape, the smaller sail sizes of the Torro have more bump & jump characteristics while being easy to jibe and well controllable even under heavy wind conditions. Starting from 5.7 sqm, the profile of the Torro is designed in a more freeride oriented way, partly as a result of an integrated tube batten. Furthermore, this more direct profile generates more drive, speed and acceleration and the Loose Leech works even more dynamically, which shifts the range of use further up. Rule of thumb for the Torro: one trim setting - huge wind range without the need for annoying re-trimming. "The Torro is a must have in the Bump & Jump scene, it is the ultimate all-round sail [...]" is what WIND Magazine stated in their conclusion. We fully approve to this quote without exception and can't wait to celebrate the Torro's 30th anniversary.



22

KEY FACTS

- > Best all-round characteristics from freeride, freestyle to wave
- > Ideal combination of easy handling and performance
- > 70% X-ply for durability, 3 mil square ply in top section for a smooth riding experience
- > Size-specific design and batten concept from more handling in the smaller sizes to more freeride in the bigger sizes
- > Reduced Boom Length: shorter boom for both compact handling and powerful acceleration
- > Only RDM compatible (6.6 and 6.9 sqm also tolerate SDM)



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



TENSION
FRAME



Julian Salmons
G-901

"If you want a powerful, stable freemove sail that you can use for bump & jump, simply blasting or jumping, then the Torro is your choice."

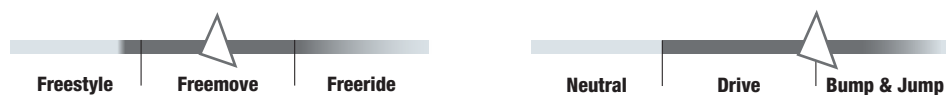


"The Torro is a must have in the Bump & Jump scene, it is the ultimate all-round sail."

WIND Special Test 2021



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens/Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
4.0	150	382	5/0	vario	16-18	Cross / Expert / Select	370	RDM	479,-
4.3	157	393	5/0	vario	16-18	Cross / Expert / Select	370	RDM	499,-
4.7	162	405	5/0	vario	18-20	Cross / Expert / Select	400	RDM	509,-
5.0	169	413	5/0	vario	18-20	Cross / Expert / Select	400	RDM	519,-
5.3	174	424	5/0	vario	18-20	Cross / Expert / Select	400	RDM	529,-
5.7	178	442	5/1	fix	20-22	Cross / Expert / Select	430	RDM	539,-
6.0	182	447	5/1	fix	20-22	Cross / Expert / Select	430	RDM	545,-
6.3	187	451	5/1	fix	20-22	Cross / Expert / Select	430	RDM	555,-
6.6	194	454	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	565,-
6.9	197	457	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	575,-

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GUNSAILS.COM



YEAH

F R E E S T Y L E



The Yeah offers everything a high-class freestyle sail needs: Agility, effortless handling, featherlight weight and harmonious power delivery. If freestyle is your thing and you want your moves to come naturally, there's no other way than the Yeah.

In the 22 Yeah are once again some improvements from our R&D team included.

The material mix was changed in the sense of more durability without increasing the weight. Specifically, this means a stronger material in the sail foot and a new layout of the outhaul clew area with larger patches. Thanks to the Kevlar Warp Lines, "wearing out" of the profile is prevented, ensuring consistent sailing characteristics and performance.

Performance remains at the highest level: a fast-charging profile, stable planing, excellent maneuver handling and absolute neutrality. According to surf magazine, "the Yeah thus plays in the highest freestyle league".

Time for you to join this league too.



Steven van
Broeckhoven
B-72

"Simply brilliantly easy and intuitive to control, the Yeah follows every impulse on its own."

KEY FACTS

- > Ultra lightweight (4.8 sqm only 2.97 kg)
- > Minimal loose leech and absolutely balanced profile for instant rotations
- > High reactivity
- > Kevlar lines for durable and consistent performance
- > RDM compatible only



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



"The GUNSAILS Yeah plays in the highest freestyle league and combines good handling with top neutrality and a surprisingly large wind range."

surf 09/2021



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
3.6	142	367	4	vario	15-18	Cross / Expert / Select	340/370	RDM	449,-
4.0	145	381	4	fix	16-18	Cross / Expert / Select	370	RDM	459,-
4.4	150	396	4	fix	16-18	Cross / Expert / Select	370	RDM	469,-
4.8	160	413	4	fix	18-20	Cross / Expert / Select	400	RDM	479,-
5.2	167	435	4	fix	20-22	Cross / Expert / Select	430	RDM	489,-
5.6	174	452	4	fix	20-22	Cross / Expert / Select	430	RDM	499,-

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THE RIGHT CHOICE

On this page we take a closer look at the most requested alternatives for our Wave/Cross-over sails. What is the difference between Seal and Horizon? Should I take a Torro or Horizon? We hope to ease your decision here. Of course we are at your disposal for any further questions concerning the choice of sail. Just call us or write us.



SEAL vs HORIZON

EQUIPMENT

SEAL: 4-Batten compact wave sail. Compact means shorter luff/mast, making the sail appear more condensed and more compact, which is especially advantageous during rotation manoeuvres over the mast. 100 % X-Ply.

HORIZON: 5-Batten power wave sail with a deeper and more direct profile, which looks a bit stiffer due to the 5 battens. 100 % X-Ply.

SAIL CHARACTER

SEAL: Allround wave sail for side- and onshore conditions. Very good performance and good pull on the back hand, fast and responsive. Balanced feeling with more OFF, it is more neutral when riding waves. The wider Dacron luff panel softly absorbs gusts and chop.

HORIZON: Powerful, well planing wave sail, rather for onshore conditions. Fast, with noticeable pull on the back hand and always some drive, less OFF. Very good control in strong winds, therefore also ideal as a storm sail on flat and choppy water.

RIDER PROFILE

SEAL: For all windsurfing levels. Great for down-the-line wave rides and jumps, tight or wide manoeuvres, even freestyle tricks. For performance-oriented wave riders with single fin or multi fin boards up to freestyle wave boards.

HORIZON: For all windsurfing levels. For powerful waveriders or heavier riders in low wind areas with a preference for jumps, Bump & Jump or even Freestyle. For large volume wave boards, freestylers or freemove boards.

HORIZON vs TORRO

EQUIPMENT

HORIZON: 5-Batten power wave sail and pronounced profile, offset clew (2 clew eyelets), 100 % X-Ply.

TORRO: 5-Batten freemove/cross over sail, from 5.7 qm with one tube batten, one clew eyelet, 75 % X-Ply.

SAIL CHARACTER

HORIZON: Powerful, strong planing wave sail for onshore conditions. Fast, with noticeable pull on the hand, bullet proof construction for wave use and high jumps, good control during higher winds.

TORRO: Classic allrounder for freeride, freestyle and wave. The sizes from 5.7 sqm have better flat water/straight line characteristics than Horizon due to a tube batten. Slightly more stretched outline and generally more freeride oriented than Horizon.

RIDER PROFILE

HORIZON: For all windsurfing levels. For powerful waveriders or heavier riders in light wind areas with a preference for jumps, Bump & Jump or even Freestyle, or as a storm sail. For large volume waveboards, freestylers or freemoveboards. Better wave suitability than the Torro.

TORRO: For all windsurfing levels, all areas, all-in-one planing and manoeuvring sail. For riders who are also sailing at different spots (flat water, choppy water, waves). Due to the Plug & Play character and the good reinforcements also ideal for beginners. For big wave boards, freestyle boards, freemove boards or small freeride boards.



SAIL CHART

WAVE & CROSS OVER SAILS

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EARLY PLANING



HANDLING



X-PLY



CONTROL



PROPULSION / DRIVE



SPEED



FLAT WATER

ZOOM
RAPID
EXCEED
VECTOR
GS-R
BOW

30 - 31
32 - 33
34 - 35
36 - 37
38 - 41
42 - 43



ZOOM

N O C A M

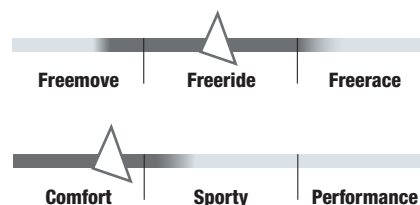
F R E E R I D E

Easy handling, amazing performance and super planing power. The Zoom is the best choice for your freeride session in any wind range. Thanks to the perfectly balanced sail profile and the absolutely stable draft point, it provides a smooth drive, easy handling and great control. The NoCam freeride sail embodies uncomplicated windsurfing in every respect.

If you're looking for planing exhilaration at its finest and unforgettable jibing pleasure, you're well equipped with the Zoom. This model offers nine sizes, each one specifically designed for the respective wind and water conditions: The sizes 4.7 to 5.6 sqm appear with 5 battens for more agility and a higher X-Ply proportion for more safety. The sizes 6.0 to 6.9 sqm on the other hand have the classic 6-batten freeride design and convince with their effortless handling. From 7.2 sqm on, the Cross Batten concept gives the necessary profile stability and control for the larger sail surface. In addition, the 2022 range benefits from a slightly more generous mast sleeve, which improves the rigging and the rotation and thus significantly increases the overall comfort.

The Zoom is optimally balanced for every wind range and the ideal companion for beginners and intermediates as well as all fans of uncomplicated freeriding. Due to its early planing, the top acceleration and the numerous maneuver options you will not want to miss the performance of this NoCam sail.

Zoom yourself to a new level of freeride fun.



KEY FACTS

- > Modern, NoCam freeride sail for all skill levels
- > Adaptive batten concept from small to large
- > Simple rigging and easy handling
- > X-Ply Frame for durability, 50% Square-Ply up to 5.6 sqm for more safety
- > RDM recommendation up to 6.4 sqm / all sizes SDM compatible
- > Ideal for intermediate, freeride and crossover boards



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



Philippe Vigneron
Chef Tester

"With the Zoom you are easy and fast on the go, no matter if beginner or advanced."

"Super easy to rig, adjust, surf and have fun with, the Zoom embodies the essence of freeriding."

Windsurf UK 05/21



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens/ Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
4.7	160	405	5/0	vario	18-20	Cross / Expert / Select	400	RDM/SDM	469,-
5.2	169	422	5/0	vario	18-20	Cross / Expert / Select	400	RDM/SDM	489,-
5.6	176	443	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	495,-
6.0	180	447	6/2	fix	20-22	Cross / Expert / Select	430	RDM/SDM	499,-
6.4	188	452	6/3	fix	20-22	Cross / Expert / Select	430	RDM/SDM	515,-
6.9	193	455	6/3	fix	20-22	Cross / Expert / Select	430	SDM	529,-
7.2	198	470	6/5	fix	24-26	Cross / Expert / Select	460	SDM	539,-
7.7	208	484	6/5	fix	24-26	Cross / Expert / Select	460	SDM	549,-
8.2	215	497	6/5	fix	28-30	Cross / Expert / Select	490	SDM	569,-

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RAPID

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

The freerace sail Rapid performs powerfully with its sporty 7-batten slalom outline and all that without camber in a light freeride manner. Yet NoCam does not imply a loss of performance. In fact, it's quite the opposite - early planing, instant acceleration and exhilarating top speed are the Rapid's hallmarks.

The Rapid's 7-batten layout combined with Kevlar Lines gives it a precisely defined profile and long lasting shape. Due to this self-stability of the sail, it planes at high speeds as sovereign as never through any wind hole and lets you reach unimagined top speeds. Uncompromising performance meets effortless handling and maximum speed.

For the new models, sail designer Renato Morlotti has reduced the monofilm proportion in favor of 3 mil Square Ply and 4 mil Bi-ply, providing the sail with more stability and durability. Similar to the Freerider Zoom, the mast sleeve of the Rapid has been minimally widened to further improve rigging comfort and rotation. The range of use of the Rapid Sail is extended by another highlight: the offset clew eyelets fully utilise the maximum trim range. In low winds, the outer eyelet allows an earlier planing and a more efficient pumping. High winds? No problem! The inner clew improves sail control as well as the handling of your sail. Thanks to the balanced and the stable draft of the sail you get quick accelerations and high speeds in every session.

Fast, faster, Rapid - the NoCam Freerace sail without any compromise.



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY

32

KEY FACTS

- > Camberless freerace sail with easy handling
- > Offset clew, inner eyelet for more control and handling, outer eyelet for more low wind performance
- > More square-ply in the sail top for lighter feel and stability
- > 7/7 Cross Batten Concept for maximum profile stability and aerodynamics, all battens are tube battens
- > RDM compatible up to 6.7 sqm, more handling with equal performance



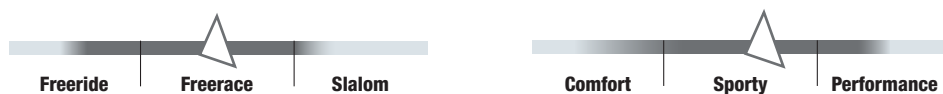
Renato Morlotti
Sail Designer

"Easy to handle and extremely powerful, the Rapid is the ideal companion for all racers who don't feel like using a camber sail"



"The more the wind increases, the more the Rapid shows what it is capable of."

WIND Special Test 2021



TECH SPECS

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
5.7	188/180	419	7/7	fix	18-20	Cross / Expert / Select	400	SDM/RDM	499,-
6.2	196/189	437	7/7	fix	20-22	Cross / Expert / Select	430	SDM/RDM	525,-
6.7	205/198	455	7/7	fix	20-22	Cross / Expert / Select	430	SDM/RDM	535,-
7.2	209/200	469	7/7	fix	24-26	Cross / Expert / Select	460	SDM	545,-
7.9	213/206	478	7/7	fix	24-26	Cross / Expert / Select	460	SDM	555,-
8.6	224/216	497	7/7	fix	28-30	Cross / Expert / Select	490	SDM	565,-

* Upper eyelet / Lower eyelet





2 C A M P O W E R F R E E R I D E

The Exceed will exceed your expectations of planing power, top speed and controlled handling. Our uncomplicated camber sail convinces with its coherent and balanced profile, the defined draft point and its effortless handling in maneuvers. The Exceed offers full power already in the lower wind range. Its effortless propulsion quickly leaves the competition behind. Whether you're an experienced camber user or a newcomer to the field, the Exceed's performance, lightweight construction and excellent rotation make it the ideal sail for sporty freeriders.

In the 22 model, the shape of the upper battens has been redesigned, which gives a slightly softer feel at full throttle on choppy water. The sail top now «breathes» even more freely, which allows more comfort and control for the rider.

By optimizing the pressure of the cambers and the leading edge of the sail, the pumping efficiency has also improved towards more reflex and lightness. The message of the design team is clear: faster is possible.

The sizes 6.0 to 7.0 sqm of the Exceed can also be used with RDM with its corresponding camber set, which simplifies the handling a bit and brings a smoother ride. An increase in Square-Ply in comparison to last year as well as the Kevlar Lines guarantee a long-term consistent sail shape and the GUNSAILS signature longevity. Are you looking for outstanding performance, easy handling, powerful planing and a wide range of use? Then the Exceed is the right choice.

Exceed your freeriding performance.



KEY FACTS

- > 2 Cam Freeride early planing sail
- > Offset clew, inner eyelet for more control and handling, outer eyelet for more low wind performance
- > Excellent draft stability and speed
- > 6 battens / 5 tubes Cross Batten Concept for maximum control
- > Moderate mast sleeve width for easy waterstart and rigging
- > RDM compatible up to 7.0 sqm, RDM camber set necessary



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



Nick Spangenberg
G-141

"Early planing, planing through lulls and maintaining speed in wind holes, no problem for the 2Cam Exceed."



"This predefined profile is an invitation to camber beginners because the rigging and handling are so easy."

WIND Special Test 2021



35

TECH SPECS

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
6.0	198/190	438	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	529,-
6.5	201/193	446	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	545,-
7.0	204/196	455	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	549,-
7.5	209/201	469	6/5	2	fix	24-26	Expert / Select	460	SDM	589,-
8.0	215/206	485	6/5	2	fix	24-26	Expert / Select	460	SDM	599,-
8.5	225/218	497	6/5	2	fix	28-30	Expert / Select	490	SDM	615,-
9.5	236/227	519	6/5	2	fix	28-30	Expert / Select	490	SDM	625,-

* Upper eyelet / Lower eyelet

** RDM Camber Set necessary

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VECTOR

3 CAM FREERACE

The Vector embodies slalom feeling with an extra of lightness and handling. Planing power, top speed and maximum acceleration meet damping and comfort, as this is not a contradiction. Even at high speeds, the power delivery is more continuous and controllable thanks to the slightly softer tuned profile. The Vector promises the same slalom feeling as its big brother GS-R, but with the relaxed comfort of a Freeracer. The test reports from the industry press speak for themselves: the Vector is the all-round performer in the freerace sector, combining early planing with good drive and lightness. In this context, the camber sail scores with its power-saving and forgiving nature, even at top speeds. The Vector achieves this effortlessly. Due to its finely tuned and stable profile, it shines with enormous planing power and accelerates strongly in the lower wind range. The 7 cm offset clew eyelets allow individual control of twist behavior and response. This offers you unimagined tuning possibilities and delivers an enormous wind range - from light to strong winds and that with changing downhaul tension. The Vector: Worldcup feeling for weekend racers.

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KEY FACTS

- > 3 Cam High Performance Freeracer with best planing and maximum control
- > Wide, aerodynamic 3D mast sleeve with zipper openings for easy access to the cambers
- > Offset clew, inner eyelet for more control and handling, outer eyelet for more low wind performance
- > 7/7 Cross Batten concept for maximum profile stability and aerodynamics, all battens are tube battens
- > Tack Strap, regulates the foot tension and improves profile efficiency
- > Air Flow aligned battens and neoprene cover on the boom cutout for even more aerodynamics



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



3D WING
SLEEVE



Cyril Moussilmani
F-71

"Truly amazing, the Vector's performance is so close to the GS-R, but in comfort you notice a clear difference, the Vector is more forgiving."

Freeride

Freerace

Slalom

"In sum of top speed and glide potential, it's hard to beat."

surf 03/2021



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Comfort

Sporty

Performance

TECH SPECS

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
5.0	171/164	408	7/7	3	fix	18-20	Expert / Select	400	RDM	559,-
5.6	184/177	422	7/7	3	fix	18-20	Expert / Select	400	RDM/SDM**	569,-
6.3	191/184	446	7/7	3	fix	20-22	Expert / Select	430	SDM/RDM**	585,-
7.1	204/197	456	7/7	3	fix	20-22	Expert / Select	430	SDM/RDM**	615,-
7.8	217/210	484	7/7	3	fix	24-26	Expert / Select	460	SDM	635,-
8.6	230/223	503	7/7	3	fix	28-30	Expert / Select	490	SDM	655,-
9.2	234/227	514	7/7	3	fix	28-30	Expert / Select	490	SDM	665,-
9.6	236/229	518	7/7	3	fix	28-30	Expert / Select	490	SDM	675,-

* Upper eyelet / Lower eyelet ** SDM or RDM Camber Set necessary

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GS-R

PERFORMANCE
FOR SAIL

The development work on a race sail is never finished. It is only interrupted by the brief moment when the best prototype goes into series production and is then meticulously continued. Such a moment has just happened again and we are proud to present our best GS-R.



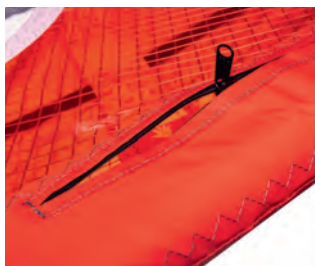
"Working on a race sail is like working on a Formula 1 car. Every detail and every gram count and it's always about making the sail faster yet controllable. For 2022, we have come a step closer to this goal again."

Renato Morlotti
Sail Designer



3D WING SLEEVE

The aerodynamically optimized mast sleeve resembles the shape of a wing and allows maximum power development of the sail. An additional Kevlar Warp laminate sheet in the middle of the mast sleeve functions as an anchor and keeps the 3D profile in its specified shape. This keeps the centre of effort stable at all times and the sail accelerates effortlessly.



ZIPPER OPENING

Due to the zipper openings you can easily access the cambers and roll them smoothly to the mast during rigging. Tuning with spacers is also made easier because of that.



KEVLAR STRETCH CONTROL

By using Kevlar Warp laminate, we can precisely determine the stretch characteristics of each sail, which ensures a consistent sail profile as well as more response. The unidirectional Kevlar lines show very low stretching even under high forces and are specifically arranged for each sail depending on its area of use. You will find constant characteristics and performance in your sail.



OFFSET CLEW CLAWS

Since we have already made very good experiences with the Clew Claws at the Bow Sail, they are now also used in the GS-R. You can easily hang the rope in the plastic claws screwed to the clew. It glides in the claw almost smoothly in a guide. In combination with a trimming system on the boom, you don't have to thread much longer. The offset Clew Claws provide maximum trim flexibility. The upper variant provides an ergonomic advantage in light winds and gives you the best possible grip for pumping and planing. The lower claw ensures more control in medium and strong winds.



Philippe Vigneron
Chef Tester

"The distribution of tasks when working on the GS-R is clearly regulated. With a weight of over 80 kg, our pro sailors are responsible for sheer power development and full performance. I take care of the easygoing: the sail balance, the light riding feeling and the easy control. Together we complement each other perfectly and bring together the best of both worlds."



BATTEN MATRIX

The right type of batten in the right position is a decisive factor in influencing the profile. We use three different tube diameters to precisely control the profile in wind conditions. Light 9 and 11 mm tubes in the top area to control the twist, stiffer 14 mm tubes in the boom area where the sail pressure is at its highest. In the entire GS-R line, only short batten tensioners are used to further weight savings.



ROLL CAMS

The Roll Cams have placed on the outside and can be attached thereby carefully to the mast. Once in position, the rolls reduce friction on the mast and the rotation becomes much softer. Four different cambers are available depending on position and mast diameter. By changing the cambers and using different spacers the sail setup can be changed from RDM to SDM, e.g. on the 6.3 sqm GS-R. You can find out whether a conversion is possible from the respective sail chart. Tips for your individual conversion can be found in a video on our homepage at /rigging-guide.



TACK STRAP

Performance oriented sails like GS-R, Vector, Bow and Foil sails GS-F and Raise are equipped with a tack strap. You can use it to adjust the sail foot tension and reduce the twist to Lee to gain even more performance.



NEOPRENE COVER

The boom cut-out is closed by a neoprene cover. This reduces wind entering the mast sleeve and improves the aerodynamics. In addition, less water gets into the mast sleeve.



GS-R

4 C A M
SLALOM/COMP

The GS-R is our uncompromising interpretation of a World Cup Fin sail. All innovations and optimizations of our R&D are implemented in this sail with the aim to raise speed and acceleration to a new level.

But what is the point of the fastest sail if you can't tame it? That's why another focus of our sail designer Renato Morlotti lies on the technical and physical controllability of this sail. In permanent interaction with our team riders, we work on every little detail until all parties involved will agree.

A big step towards reducing the sail weight was already made in 2021. Nevertheless, through a re-design of important patches and an increase in lightweight 3mil ply, a few grams could be saved again, without neglecting the durability of the sail. On the water this is rewarded with more efficient pumping and top dynamics. Due to its balanced profile, the GS-R adjusts itself automatically, the rider can concentrate fully on the race in autopilot mode. This is also supported by the silently working leech, which absorbs gusts and noticeably improves the control of the sail, especially in the upper wind range.

With a profile supported exclusively by tube battens, 4 smooth rolling cams and its stable, forward-facing centre of effort, the GS-R is ready to accept any challenge.

Welcome GS-R 2022.



KEY FACTS

- > World Cup Fin Sail
- > Augmented aerodynamics through 3D profiled mast sleeve
- > 7/7 Cross Batten Concept, air flow aligned battens and neoprene cover at boom opening
- > Two offset clew claws for more trimming flexibility and easy use of a trim system
- > Tack Strap, regulates the foot tension and improves profile efficiency
- > 5.0 / 5.6 sqm RDM only



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



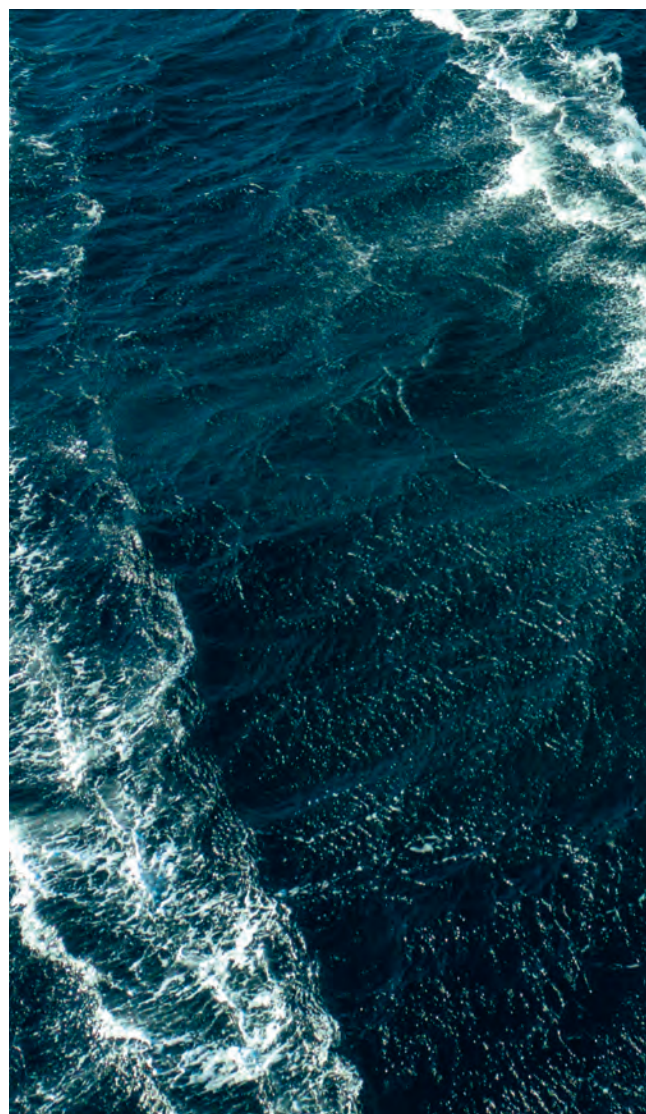
SMART CLEW
CONSTRUCTION



MD X-PLY



3D WING
SLEEVE



Cyril Moussilmani
F-71

"What impresses me most about the new GS-R is its smoothness in the extreme wind range, where it pulls forward relentlessly."



TECH SPECS

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best mast	Mast cm	Mast Ø	Sail price EUR
5.0	171	409	7/7	4	fix	18-20	Select RDM	400	RDM	599,-
5.6	185	426	7/7	4	fix	18-20	Select RDM	400	RDM	649,-
6.3	196/189	436	7/7	4	fix	18-20	Select	400	RDM/SDM**	715,-
7.0	204/196	458	7/7	4	fix	20-22	Select	430	SDM	745,-
7.7	217/210	484	7/7	4	fix	24-26	Select	460	SDM	785,-
8.4	227/220	504	7/7	4	fix	28-30	Select	490	SDM	795,-
9.2	238/229	518	7/7	4	fix	29-34	Select	490/520	SDM	815,-

* Upper eyelet / Lower eyelet

** SDM or RDM Camber Set necessary



BOW

4 CAM
SLALOM / FOIL

The BOW has now established itself as a concept sail in the GUNSAILS range and is attracting more and more windsurfing enthusiasts who want to try this new, innovative sail. The Bow's unique ability to adapt dynamically over a huge wind range while continuously developing the same amount of drive makes this concept so special. The idea is based on a new sail outline with an extreme bending curve in the top. The core of this development is of course the specially manufactured mast, which interacts even more intensively with the sail than with a "normal" rig. Thanks to its versatility, the sail is ideal for foil, freerace or slalom. With its deep profile with 4 cams, the sail develops great performance and accelerates effortlessly to an exhilarating top speed.

Thanks to the special geometry of the sail, as well as the ability of the mast to rotate inside the boom, the profile continuously adapts and the sail always remains easy to control. This year Renato Morlotti has worked on the material mix and made the sail even a touch lighter. The sail construction is equipped with additional Kevlar reinforcements to precisely control the stretch of the material. Instead of clew eyelets, the Bow is equipped with Clew Claws, which facilitates the use of a trim system.

Are you ready for the Future of Windsurfing?

KEY FACTS

- > 4-Cam Concept Sail for Freerace, Slalom and Foil
- > 2 offset clew claws for trim flexibility and easy use of a trim system
- > No Loose Leech, the Bow uses more surface
- > Special friction bearing that allows rotation of the mast
- > 3D Mast Sleeve Shape and Cross Batten Concept
- > Neoprene Cover at boom opening for better aerodynamics
- > Tack Strap to regulate the tension of the sail foot
- > Bow Flex mast 2.0 is mandatory



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



3D WING
SLEEVE

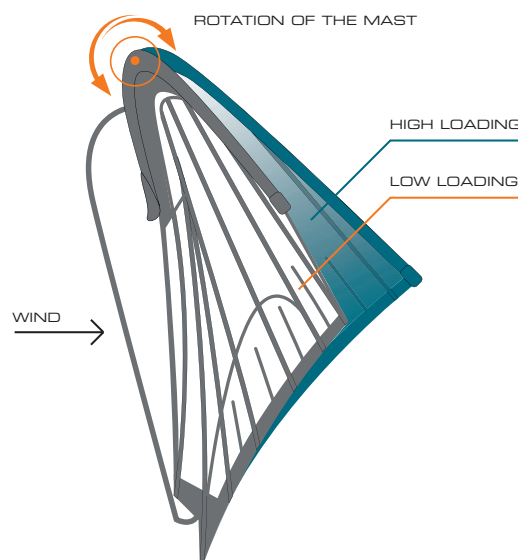


INNOVATIVE SAIL CONCEPT

What is behind the Bow and how does it work?

The Bow sail brings new dimensions in handling and wind range and shows a unique efficiency. With its dynamic capabilities, the Bow delivers constant power and effortless propulsion across a huge wind range. The Bow will give you a new feeling of windsurfing on a freeride or slalom board and is also perfect for foiling. This innovative concept also includes the specially developed Bow Flex mast in combination with the rotating mast cuff. The Bow concept is based on a new sail outline with an extreme bending line in the top. This bending line is made possible by the Bow Flex mast. Due to the low luff tension and the special shape, the sail has no loose leech.

What exactly is the secret behind it? We will explain this in the following points.



Thanks to a special friction bearing, which allows the mast to rotate within the boom, the mast can rotate inside the sail, thus allowing the upper area of the sail to twist and bend away. In contrast to the Loose Leech concept, where only a small part of the leech twists, the Bow has a much larger area to adapt to the strength of the wind. When the wind strength and thus the wind load in the sail increases (high loading), the upper part of the sail turns leeward and the profile adapts dynamically. The holding forces on the boom remain the same. Only the profile adapts to the higher loading. When the wind force and thus the load in the sail decreases (low loading), the sail turns back to its original position. Now, the lower wind energy is compensated by the more efficient profile. The drive as well as the holding forces remain the same. This ability facilitates handling enormously and also improves performance while going upwind. The described adjustment of the Bow is more dynamic and effective than the Loose Leech mechanism. Due to the well-defined and firm edge at the leech, there is no fluttering and the associated small stalls in the profile.

CONCLUSION

Similar to a Loose Leech sail, the Bow regulates itself in gusts and wind holes, but the available area is larger and more efficient. Thus, it covers a much larger wind range in total. For the windsurfer, this ability leads to an effortless and comfortable windsurfing experience, combined with the performance and drive of a camber sail. Due to its continuous drive and feather-light handling, the Bow sail is predestined for foiling.



"The Bow has in fact what it takes to start a revolution."

surf 11/12/2018



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Steven van
Broeckhoven
B-72

"So a Bow sail can be chosen in a smaller size compared to a Loose Leech sail."



399 €

TECH SPECS

Size sqm	Boom cm	Luff cm	Batten / Tubes	Cams	Top	Mast* cm	Sail price EUR
6.9	205/198	493	7/7	4	fix	Bow Flex 490	719,-
7.8	224/216	504	7/7	4	fix	Bow Flex 490	729,-
8.7	237/230	519	7/7	4	fix	Bow Flex 490	749,-

* The Bow Flex mast is mandatory for the Bow sail. The special Friction Bearing is also supplied with the mast

BOW FLEX 70

- > Extreme Top Flex Curve
- > Standard mast diameter (SDM)
- > 70 % Carbon content
- > High performance mast for light feeling and top dynamics
- > Mast for exclusive use in Bow sails
- > Includes friction bearing, the special mast sleeve that allows the mast to rotate in the boom front section without the boom slipping

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THE RIGHT CHOICE

NO CAM SAILS

No Cam sails only build up their profile fully with wind impact, but by pumping the disadvantage in planing can be compensated compared to camber sails. The clever positioning, quantity and type of battens also achieve a profile stability close to a camber sail. No Cam sails have a narrower mast sleeve, rotate slightly softer and are often lighter. Because of their easier handling they are the better choice for manoeuvre-oriented windsurfer.

CAMBER SAILS

Cambers are shaped PVC clamps which are positioned in the mast sleeve at the height of the battens and indirectly connect the sail batten to the mast. The mast sleeve is a little wider in the camber area than on no-cam sails. The camber allows the sail profile to be pronounced even when at rest, without any wind impact. This allows camber sails to perform better in passive planing compared to sails without camber (no cam sails). Camber also stiffen the sail profile a little, which brings advantages in the upper wind range. Those who prefer a stiffer profile and sail a lot in light or gusty winds will mostly be better off with a camber sail.



ZOOM vs RAPID

EQUIPMENT

ZOOM: Freeride geometry with 6 battens (the top batten is only a light, slim 6mm stick). One batten below the boom, slightly higher cut sail foot. One clew eyelet.

RAPID: Freerace geometry with 7 tube battens, including 2 battens below the boom in the Cross Batten Concept. Deep sail foot and pronounced loose leech. Two clew eyelets. In the same size always a little heavier than Zoom.

SAIL CHARACTER

ZOOM: Sporty but power-saving, fast but comfortable. The feeling is more damped and less direct than with the Rapid. It is a manoeuvrable sail and designed for easy going.

RAPID: Sporty racer designed for top speed and control. Tight, direct profile with higher tension than Zoom. It covers a wide wind range, especially in the upper range.

RIDER PROFILE

ZOOM: From beginner to pro. Anyone looking for an uncomplicated, light Freeride sail with very good performance and manoeuvrability. Ideal for Freemove, Freeride and Freerace boards.

RAPID: Beginners, intermediates and professionals who like to be really fast and sporty and still keep tight in the upper wind range, but for whom a camber sail seems too technical. Ideal for Freeride, Freerace and Slalom boards.



EXCEED vs VECTOR

EQUIPMENT

EXCEED: 2 camber, 6 battens, mast sleeve only hand wide, no zippers at camber.

VECTOR: 3 camber, 7 battens, wide mast sleeve, neoprene cover at the boom opening, tack strap at the sail foot, zippers at camber. In the same size always a bit heavier than Exceed.

SAIL CHARACTER

EXCEED: Sporty and comfortable with Freeride feeling. Fast but relaxed sailing, with easy rigging, very good overall performance and very good rotation for a camber sail. The sail feeling is less direct than with the Vector.

VECTOR: Very sporty with real race feeling. Stiff, direct profile, designed for maximum performance. It covers a very wide wind range, especially towards high wind.

RIDER PROFILE

EXCEED: Advanced beginners, intermediates and pros. For performance oriented Freeriders who like to ride fast but relaxed. Ideal for Freeride and Freerace boards.

VECTOR: Experienced surfers and pros. For Race/Slalom-oriented riders who like to heat straight ahead in full speed mode and don't avoid any match race. Ideal for sporty Freerace boards and Slalom boards.

SAIL CHART

To make it even easier for you to choose your new sail, we have compared the flat water alternatives here. You may be wondering why we don't directly compare a camber sail with a no-camber sail? From our countless customer contacts over the last few years it has become clear, that most of you already decide whether the new sail should have camber or not before making an enquiry. A direct comparison would also always be a little tricky. Therefore, we make a general comparison between no-camber and camber sails. Of course, we are at your direct service if you have any questions concerning the choice of your sail. Just give us a call or write an email.

FLATWATER SAILS

EARLY PLANING



CONTROL



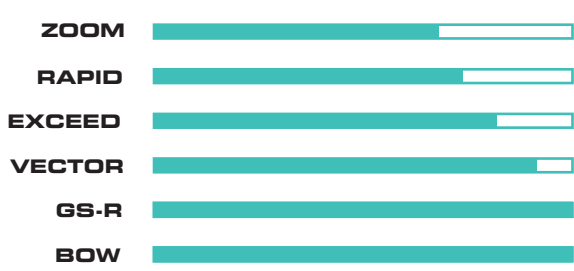
HANDLING



STABILITY OF PROFILE



PLANING IN LULLS



SPEED





FOIL

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RAISE
GS-F

48 - 49
50 - 51

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2 C A M F R E E R I D E F O I L

This year we introduce the third generation of our freeride foil sail Raise. To meet the wishes of the many foil surfers, our R&D has further developed many details. Extremely light and easy to handle, the Raise is designed for both the foil beginner and the advanced pilot. This sail will get you up in the air quickly with its combination of performance and ease of use.

The moderate mast curve in combination with very little loose leech not only simplifies the setup, but also gives the Raise stability while flying and allows more propulsion while running upwind. Not only the sail profile, but also the twist are adapted to the special conditions of foiling. The reduction of the twist to the necessary minimum ensures an optimal yield in the lower wind range. The special profile of the Raise with less surface in the top and more surface below the boom generates the necessary pressure in the direction of the mast foot and thus almost independently controls the trim of the foil. The sail foot is designed to be low enough to close the gap between the board and the sail, but not to interfere while jibing. This allows the sail to take advantage of every breeze, even in the lower wind range, and accelerate effortlessly to cruising speed.

Once «in the air» neutrality is important. Two cams keep the centre of effort constant and minimize any inherent movement of the rig.

So you can fly effortlessly and controlled on the foil.

The Raise is the perfect companion for any foil session and delivers the optimal performance for uncomplicated foil freeriding.

Raise up and enjoy the flight!



KEY FACTS

- > 2 cambers / 6 battens freeride foil sail.
- > Foil specific sail foot
- > Minimal loose leech for more flight stability and neutrality
- > Offset clew, two clew eyelets for more trimming flexibility
- > Reduced weight for better handling
- > Agile, powerful profile for better pumping
- > Neoprene cover on boom opening for more aerodynamics



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



Steven van
Broeckhoven
B-72

"You can't take off the water any easier than this. With the Raise, it's going to be a stress-free first class flight."



"The GUNSAILS provides easy handling where all reactions are balanced. Smoothness in all areas is the order of the day."

WIND Special Test 2021



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TECH SPECS

Size sqm	Boom cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
6.0	188	437	6/6	2	fix	20-22	Cross / Expert / Select	430	SDM	545,-
7.0	203	454	6/6	2	fix	20-22	Cross / Expert / Select	430	SDM	565,-
8.0	220	487	6/6	2	fix	24-26	Cross / Expert / Select	460	SDM	585,-
9.0	232	518	6/6	2	fix	28-30	Cross / Expert / Select	490	SDM	599,-

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GS-F

4 C A M
F O I L / C O M P

Year 2 for our Foil Competition sail GS-F. In this fast developing discipline the focus is on control and neutrality. Since the forces and resistances on a foil are not comparable to fin surfing, the GS-F has to meet other demands. The «high-aspect» sail (longer luff) has a more defined sail foot, shorter boom and dispenses almost completely on a loose leech. This absolute balance and neutrality of the sail allow to concentrate 100% on the flight.

With an aerodynamic precision in the wide 3D mast pocket and a unique pumping efficiency, the GS-F is made for racing. The increased stability of the sail profile is supported by a high number of carbon tubes and ensures to take off on the foil as early as possible. Even the lightest breeze is transformed into powerful acceleration. The lightweight sail construction and the special outline of the GS-F additionally support the rider in perfect positioning during flight.

For us, the GS-F is the new benchmark in foil racing.
Lean back and enjoy the flight!



KEY FACTS

- > High-aspect performance foil sail
- > Designed for foil racing and foil slalom
- > 3D wingsleeve for instant acceleration
- > Less twist and high profile stability for pumping efficiency
- > High number of carbon tubes
- > Featherweight construction and short boom allow effortless handling and neutrality



KEVLAR STRETCH
CONTROL



DOUBLE LOCK
SEAMS



SMART CLEW
CONSTRUCTION



MD X-PLY



3D WING
SLEEVE



Renato Morlotti
Sail Designer

"Whether you're a competition or weekend racer, this finely tuned masterpiece will take your foiling to the next level."



51



TECH SPECS

Size sqm	Boom cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best mast	Mast cm	Mast Ø	Sail price EUR
7.0	192	485	7/7	4	fix	24-26	Select	460	SDM	789,-
8.0	208	518	7/7	4	fix	28-30	Select	490	SDM	829,-
9.0	218	556	7/7	4	fix	30-34	Select	520	SDM	859,-
10.0	231	586	7/7	4	fix	32-36	Select	550	SDM	889,-

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SEAL

4 - BATTEN
CORE WAVE



SEAL RE-SEAL

Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	SEAL EUR	RE-SEAL EUR
3.2	143	345	4	vario	15-17	Expert / Select	340/370	RDM	445,-	495,-
3.5	145	351	4	vario	15-17	Expert / Select	340/370	RDM	475,-	525,-
3.7	147	360	4	vario	15-17	Expert / Select	340/370	RDM	485,-	535,-
4.0	150	367	4	vario	15-17	Expert / Select	340/370	RDM	495,-	545,-
4.2	153	378	4	fix	15-17	Expert / Select	370/340	RDM	499,-	549,-
4.5	159	383	4	fix	16-18	Expert / Select	370	RDM	509,-	559,-
4.7	164	397	4	vario	16-19	Expert / Select	370/400	RDM	519,-	569,-
5.0	170	411	4	fix	18-20	Expert / Select	400	RDM	529,-	579,-
5.3	176	418	4	fix	18-20	Expert / Select	400	RDM	539,-	589,-
5.7	180	427	4	fix	18-20	Expert / Select	400	RDM	545,-	595,-

HORIZON

P O W E R
W A V E



Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
3.7	147	365	5	vario	15-17	Expert / Select	340/370	RDM	479,-
4.0	150	381	5	vario	16-18	Expert / Select	370	RDM	495,-
4.2	156	383	5	vario	16-18	Expert / Select	370	RDM	505,-
4.5	161	393	5	vario	16-18	Expert / Select	370	RDM	515,-
4.7	165	405	5	fix	18-20	Expert / Select	400	RDM	525,-
5.0	172	413	5	fix	18-20	Expert / Select	400	RDM	529,-
5.3	177	425	5	vario	19-21	Expert / Select	400/430	RDM	539,-
5.7	180	442	5	fix	20-22	Expert / Select	430	RDM/SDM	545,-
6.1	184	450	5	fix	20-22	Expert / Select	430	RDM/SDM	555,-

TORRO

A L L T E R R A I N
F R E E M O V E



Size sqm	Boom cm	Luff cm	Battens/Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
4.0	150	382	5/0	vario	16-18	Cross / Expert / Select	370	RDM	479,-
4.3	157	393	5/0	vario	16-18	Cross / Expert / Select	370	RDM	499,-
4.7	162	405	5/0	vario	18-20	Cross / Expert / Select	400	RDM	509,-
5.0	169	413	5/0	vario	18-20	Cross / Expert / Select	400	RDM	519,-
5.3	174	424	5/0	vario	18-20	Cross / Expert / Select	400	RDM	529,-
5.7	178	442	5/1	fix	20-22	Cross / Expert / Select	430	RDM	539,-
6.0	182	447	5/1	fix	20-22	Cross / Expert / Select	430	RDM	545,-
6.3	187	451	5/1	fix	20-22	Cross / Expert / Select	430	RDM	555,-
6.6	194	454	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	565,-
6.9	197	457	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	575,-

YEAH

F R E E S T Y L E



Size sqm	Boom cm	Luff cm	Battens	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
3.6	142	367	4	vario	15-18	Cross / Expert / Select	340/370	RDM	449,-
4.0	145	381	4	fix	16-18	Cross / Expert / Select	370	RDM	459,-
4.4	150	396	4	fix	16-18	Cross / Expert / Select	370	RDM	469,-
4.8	160	413	4	fix	18-20	Cross / Expert / Select	400	RDM	479,-
5.2	167	435	4	fix	20-22	Cross / Expert / Select	430	RDM	489,-
5.6	174	452	4	fix	20-22	Cross / Expert / Select	430	RDM	499,-

ZOOM

N O C A M
F R E E R I D E



Size sqm	Boom cm	Luff cm	Battens/Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
4.7	160	405	5/0	vario	18-20	Cross / Expert / Select	400	RDM/SDM	469,-
5.2	169	422	5/0	vario	18-20	Cross / Expert / Select	400	RDM/SDM	489,-
5.6	176	443	5/1	fix	20-22	Cross / Expert / Select	430	RDM/SDM	495,-
6.0	180	447	6/2	fix	20-22	Cross / Expert / Select	430	RDM/SDM	499,-
6.4	188	452	6/3	fix	20-22	Cross / Expert / Select	430	RDM/SDM	515,-
6.9	193	455	6/3	fix	20-22	Cross / Expert / Select	430	SDM	529,-
7.2	198	470	6/5	fix	24-26	Cross / Expert / Select	460	SDM	539,-
7.7	208	484	6/5	fix	24-26	Cross / Expert / Select	460	SDM	549,-
8.2	215	497	6/5	fix	28-30	Cross / Expert / Select	490	SDM	569,-

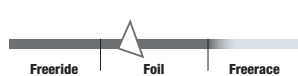
RAPID

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



Size sqm	Boom* cm	Luff cm	Battens/Tubes	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
5.7	188/180	419	7/7	fix	18-20	Cross / Expert / Select	400	SDM/RDM	499,-
6.2	196/189	437	7/7	fix	20-22	Cross / Expert / Select	430	SDM/RDM	525,-
6.7	205/198	455	7/7	fix	20-22	Cross / Expert / Select	430	SDM/RDM	535,-
7.2	209/200	469	7/7	fix	24-26	Cross / Expert / Select	460	SDM	545,-
7.9	213/206	478	7/7	fix	24-26	Cross / Expert / Select	460	SDM	555,-
8.6	224/216	497	7/7	fix	28-30	Cross / Expert / Select	490	SDM	565,-

* Upper eyelet / Lower eyelet

EXCEED2 C A M
POWER FREERIDE**VECTOR**3 C A M
FREERACE**GS-R**4 C A M
SLALOM/COMP**BOW**4 C A M
SLALOM/FOIL**RAISE**2 C A M
FREERIDE FOIL**GS-F**4 C A M
FOIL/COMP

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
6.0	198/190	438	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	529,-
6.5	201/193	446	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	545,-
7.0	204/196	455	6/5	2	fix	20-22	Expert / Select	430	SDM/RDM**	549,-
7.5	209/201	469	6/5	2	fix	24-26	Expert / Select	460	SDM	589,-
8.0	215/206	485	6/5	2	fix	24-26	Expert / Select	460	SDM	599,-
8.5	225/218	497	6/5	2	fix	28-30	Expert / Select	490	SDM	615,-
9.5	236/227	519	6/5	2	fix	28-30	Expert / Select	490	SDM	625,-

* Upper eyelet / Lower eyelet ** RDM Camber Set necessary

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
5.0	171/164	408	7/7	3	fix	18-20	Expert / Select	400	RDM	559,-
5.6	184/177	422	7/7	3	fix	18-20	Expert / Select	400	RDM/SDM**	569,-
6.3	191/184	446	7/7	3	fix	20-22	Expert / Select	430	SDM/RDM**	585,-
7.1	204/197	456	7/7	3	fix	20-22	Expert / Select	430	SDM/RDM**	615,-
7.8	217/210	484	7/7	3	fix	24-26	Expert / Select	460	SDM	635,-
8.6	230/223	503	7/7	3	fix	28-30	Expert / Select	490	SDM	655,-
9.2	234/227	514	7/7	3	fix	28-30	Expert / Select	490	SDM	665,-
9.6	236/229	518	7/7	3	fix	28-30	Expert / Select	490	SDM	675,-

* Upper eyelet / Lower eyelet ** SDM or RDM Camber Set necessary

Size sqm	Boom* cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best mast	Mast cm	Mast Ø	Sail price EUR
5.0	171	409	7/7	4	fix	18-20	Select RDM	400	RDM	599,-
5.6	185	426	7/7	4	fix	18-20	Select RDM	400	RDM	649,-
6.3	196/189	436	7/7	4	fix	18-20	Select	400	RDM/SDM**	715,-
7.0	204/196	458	7/7	4	fix	20-22	Select	430	SDM	745,-
7.7	217/210	484	7/7	4	fix	24-26	Select	460	SDM	785,-
8.4	227/220	504	7/7	4	fix	28-30	Select	490	SDM	795,-
9.2	238/229	518	7/7	4	fix	29-34	Select	490/520	SDM	815,-

* Upper eyelet / Lower eyelet ** SDM or RDM Camber Set necessary

Size sqm	Boom cm	Luff cm	Batten / Tubes	Cams	Top	Mast* cm	Sail price EUR
6.9	205/198	493	7/7	4	fix	Bow Flex 490	719,-
7.8	224/216	504	7/7	4	fix	Bow Flex 490	729,-
8.7	237/230	519	7/7	4	fix	Bow Flex 490	749,-

* The Bow Flex mast is mandatory for the Bow sail. The special Friction Bearing is also supplied with the mast.

Size sqm	Boom cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best masts	Mast cm	Mast Ø	Sail price EUR
6.0	188	437	6/6	2	fix	20-22	Cross / Expert / Select	430	SDM	545,-
7.0	203	454	6/6	2	fix	20-22	Cross / Expert / Select	430	SDM	565,-
8.0	220	487	6/6	2	fix	24-26	Cross / Expert / Select	460	SDM	585,-
9.0	232	518	6/6	2	fix	28-30	Cross / Expert / Select	490	SDM	599,-

Size sqm	Boom cm	Luff cm	Battens/ Tubes	Cams	Top	IMCS	Best mast	Mast cm	Mast Ø	Sail price EUR
7.0	192	485	7/7	4	fix	24-26	Select	460	SDM	789,-
8.0	208	518	7/7	4	fix	28-30	Select	490	SDM	829,-
9.0	218	556	7/7	4	fix	30-34	Select	520	SDM	859,-
10.0	231	586	7/7	4	fix	32-36	Select	550	SDM	889,-





DRAGON

T H E N E X T
G E N E R A T I O N



Lightweight and stable, the Dragon is designed to meet the needs of your children. Construction and handling are literally a child's play. This sets the course for kids to enjoy their first meters on the surfboard right from the start. With the components you have a complete «ready to sail» set. The clou: Boom and mast fit to all Dragon sail sizes. So you can continue with a bigger sail as your children grow up and improve their windsurf skills.



THE SET INCLUDES

DRAGON SAIL

- > Monofilm kids sail
- > 2 to 3 battens
- > X-Ply reinforced sail foot

FROM 169 €

DRAGON MAST

- > Two-piece aluminium mast
- > 300-320 cm, variable adjustable
- > 1,28 kg
- > One size fits all

59 €

PRO KID BOOM

- > 26 mm boom arm diameter
- > 120-160 cm, variable adjustable
- > 1,4 kg
- > One size fits all

75 €

ACCESSORIES

- > Uphaul
- > Dragon mast base
- > Dragon Set transport bag

Size sqm	Boom cm	Luff cm	Sail weight kg	Top	Battens	Sail price EUR	Set price*
1.8	120	250	1,2	vario	2	169,-	295,-
2.2	127	270	1,25	vario	2	175,-	299,-
2.6	136	285	1,4	vario	2	179,-	305,-
3.2	145	305	1,8	fix	3	185,-	309,-
3.6	154	315	1,95	fix	3	189,-	319,-

*The Set includes: Sail + Mast + Boom + Mast base + Uphaul + Transport bag



LITE RIDE

W I N D S U R F
W I N D S U P



THE SET INCLUDES

LITERIDE SAIL

- > Beginner sail made of dacron and monofilm
- > 4,5 or 5,5 sqm
- > X-Ply reinforced sail foot

FROM 219 €

LITERIDE RDM MAST

- > 3-piece 40 % carbon RDM mast
- > 400 cm, small packing size of 146 cm length
- > 2,4 kg
- > One size fits all

189 €

FUTURE BOOM

- > 26 mm tube diameter
- > 150-190 cm, variably adjustable
- > 1,95 kg
- > One size fits all

89 €

ACCESSORIES

- > Mast extension RDM Classic 300 mm
- > Cardan Base
- > Uphaul
- > Trim rope
- > Lite Ride Set transport bag

The light LiteRight-Set is the perfect addition to transform your SUP board in a WINDSUP. Your choice between Stand-Up Paddling or windsurfing (lightriding) depends on your mood or the wind speed. The clou is the small package. The three-piece mast and a boom fit in the sail bag. The total length of 183 cm gives you the opportunity to put it easily in the trunk of your car.



Size sqm	Boom cm	Luff cm	Sail weight kg	Sail price EUR	Set price* EUR
4.5	178	408	1,96	219,-	539,-
5.5	183	425	2,12	229,-	549,-

*The Set includes: Sail + Mast + Boom + Mast extension RDM Classic 300 mm + Cardan Base + trim rope + Uphaul + Transport bag

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM





P R O K I D

Kids and light youngsters who have already passed their children's sailing level can now take the next steps on the way to becoming a surf pro. With the Loop we present a Pro Kid sail, which is in no way less equipped and manufactured than the Wave and Freemove sails of adults. The loop works on a specially developed RDM mast with a length of 3 m and 50% carbon content. The sail is equipped with light X-Ply and Square-Ply materials and designed as a 4 batten sail. The highlight: the package includes a second shorter batten. The batten above the boom can be replaced. This gives the sail a deeper profile and can be used in freeride mode as well as in the wave.



THE SET INCLUDES

LOOP SAIL

- > Lightweight 4-batten wave sail
- > 40 % X-Ply
- > Incl. short batten, to change from 4 to 3 ½ batten sail

FROM 349 €

LOOP RDM MAST

- > 300 cm, 50 % Carbon RDM mast
- > 1,05 kg
- > One size fits all

159 €

PRO KID BOOM

- > 26 mm tube diameter
- > 120-160 cm, variably adjustable
- > 1,4 kg
- > One size fits all

75 €

ACCESSORIES

- > RDM Classic mast extension depending on the size of the sail: 00 Base, 150 or 300 mm
- > Uphaul
- > Trim rope
- > Transport bag

Size sqm	Boom cm	Luff cm	Top	Battens	Sail price EUR	Set price*
2.4	120	275	vario	4	349,-	559,-
3.0	135	305	vario	4	359,-	579,-
3.6	150	328	vario	4	379,-	599,-

*The Set includes: Sail + Loop RDM mast + Boom + Trim Rope + Mast extension RDM Classic + Uphaul + Transport bag



ENTRY LEVEL LIGHT RIDING

The Set for starters and intermediate Windsurfers, with which learning to windsurf again becomes a real fun sport. With this lightweight sail you can get your first planing experience, improve tacks and jibes or just enjoy windsurfing. A high X-Ply portion and solid edge protections are key features of our Burner. Thus it resists crashes and guarantees longevity. In combination with the fitting components you will easily get to know the world of windsurfing. The super lightweight combined with outstanding handling abilities provide you with quick learning successes. Easy Surfing right from the start. So what are you waiting for? The Burner is also available as a set with matching RDM mast, boom and RDM base.



57

THE SET INCLUDES

BURNER SAIL

- > For beginners and intermediates
- > 4 battens
- > Large area of X-Ply

FROM 265 €

BURNER RDM MAST**

- > Two-part RDM mast for beginners
- > 370 cm, 20 % Carbon
- > 1,96 kg
- > One size fits all

139 €

FUTURE BOOM

- > 26 mm tube diameter
- > 150-190 cm, variable adjustable
- > 1,95 kg
- > One size fits all

89 €

ACCESSORIES

- > RDM Classic mast extension depending on the size of the sail: 00 Base or 150 mm
- > Uphaul
- > Trim Rope
- > Transport bag

Size sqm	Boom cm	Luff cm	Top	Battens	Sail price EUR	Set price* EUR
3.7	149	325	vario	4	265,-	499,-
4.2	164	352	vario	4	275,-	509,-
4.7	170	369	vario	4	285,-	519,-
5.2	176	389	fix	4	299,-	559,-
5.7**	181	435	fix	4	309,-	569,-
6.2**	186	455	fix	4	329,-	589,-

*The Set includes: Sail + Mast + Boom + Mast extension RDM Classic + Uphaul + Trim Rope + Transport bag

** Set 5.7 and 6.2.qm are delivered with the mast Advantage RDM 430

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM



MASTS

A . C . E . S .
C O N C E P T

The GUNSAILS A.C.E.S. concept is our long-established classification of the multitude of our rig components. A.C.E.S. is derived from the four different categories Advantage / Cross / Expert and Select. From Advantage, the low-priced, robust entry-level version, to Select, the high-end full carbon series, you will quickly find the right product to suit your performance requirements and budget. As a sail manufacturer, we naturally guarantee that all recommended GUNSAILS masts fit our sails perfectly and that the best performance is achieved when using them. Technical parameters like length and stiffness (IMCS) are standardized with most mast suppliers, differences can be found in the bending curve. With our Constant Curve bending line, which has remained unchanged for years, you can also equip older GUNSAILS sail models with our current masts. In addition, our masts offer a good compromise to many sails from other manufacturers.

ADVANTAGE

The ideal mast for beginners and intermediate windsurfers. Advantage masts are characterized by their good all-round characteristics and an unbeatable price-performance ratio. With 30-35% carbon the Advantage is a robust mast for wave, freemove and freeride sails.

CROSS

With the Cross masts you enter into the performance-oriented windsurfing. With 50-55% carbon they are high quality allrounders and combine high overall performance with high durability. Windsurf masts of the Cross series fit very well to Wave, Freemove and Freeride sails.

EXPERT

The high-performance carbon masts with low weight and high dynamics, for all demanding windsurfers. 70-75% carbon provide a very good response and help every sail to twist fast and deliver top performance. Ideal for wave, freemove, freeride and freerace sails.

SELECT

Maximum performance with minimum weight, the Select class is the absolute optimum for your sail. It combines the fastest response and dynamics to a high-end product. 100% carbon is the benchmark for all sailors who want to get the most out of their sails and for whom extremely light handling is important. The best mast - from wave to race



THE RIGHT MAST FOR YOUR SAIL

CARBON PERCENTAGE

This is often the most difficult question, as technical parameters are less important here than personal preferences and budget ideas.

Performance and dynamic: The higher the carbon percentage, the higher the reflex ability of your mast. This affects the reaction speed of your sail at every small movement. With a high carbon percentage, your sail becomes more direct and faster.

Weight: The rule of thumb here is more carbon, less weight. Of course, this also influences the handling of your sail. With a light rig you save power; manoeuvres go better with less weight.

Durability: High percentage carbon masts are more sensitive to hard shocks or knocks. You should handle such a mast with care. We would not recommend a 100% carbon mast to a beginner who does not yet handle his sail so safely.



DESIGNED TO LAST

The high quality standard in material and processing, permanent quality controls in the factory as well as by our R&D team in Tarifa guarantee lasting product quality and durability. No matter which model you choose, you will get a quality controlled GUNSAILS mast with **24 months warranty**.



PREPREG CARBON TECHNOLOGY

The rule of thumb for masts is: a higher carbon content means more performance but also a higher price. From the Advantage to the Select, all our masts are manufactured using the prepreg carbon process, with the differences being in the carbon proportion and in the arrangement and direction of the fabric fibers. This process guarantees the highest values in terms of response and stability and optimal weight.



PROTECTION SHIELD

The new Protection Shield in matt finish not only looks classy but also protects the mast from UV stress and reduces friction in the mast sleeve.

Our masts are equipped with the **Universal Top Fitting** in the top. This means that the masts can also be used for sails from other manufacturers that have a pin instead of a top cap.

THE RIGHT CHOICE

RDM ODER SDM

In our sail details you can read for each GUNSAILS sail which mast type is the one we recommend. What are the differences? RDM, Reduced Diameter Mast, indicates masts with reduced diameter (32 mm inner diameter base), whose outline is almost cylindrical from base to top. SDM, Standard Diameter Mast, indicates masts with a standard diameter (48.5 mm inner diameter base) and a conical outline from base to top.

RDM masts have several advantages:

- > Higher stability due to thicker wall and smaller mast circumference.
- > Easier rigging, the slim mast slides more easily into the mast sleeve
- > Better handling in water starts and maneuvers where you grab around the mast
- > In general, a lighter feeling, even though RDM masts are usually heavier

For wave and crossover sails, an RDM is the first choice, even the only choice for some sails. For our camberless flatwater sails Zoom and Rapid a RDM is recommended up to certain sail sizes. You can find more information on the corresponding sail websites, also about the use of RDM for camber sails.



Renato Morlotti
Sail Designer

"The mast is always the base of sail development. That's why you should always be guided by the mast recommendation. Not everyone will spend his budget in a 100% Select mast, but at least pay attention to the appropriate length and the correct IMCS value. And in case you wish to use a mast from another brand, make sure you have the right bending curve. With the wrong mast in the sail you have only half the fun"



MASTS

A . C . E . S .
C O N C E P T



FROM
145 €



FROM
215 €

ADVANTAGE

- > 30-35 % Carbon with good all-round characteristics
- > Unbeatable price performance ratio
- > Ideal for beginners and intermediate windsurfers
- > Very robust and versatile
- > For wave, freemove and freeride use
- > High durability thanks to low carbon percentage

ADVANTAGE SDM

Length cm	Carbon %	IMCS	Weight kg	Price EUR
400	30	19	2,35	145,-
430	35	21	2,50	159,-
460	35	25	2,69	165,-
490	35	29	2,93	175,-

ADVANTAGE RDM

370	35	17	1,88	155,-
400	35	19	2,09	165,-
430	35	21	2,40	179,-

RDM is delivered without RDM adapter.

CROSS

- > 50-55% carbon ensures a good balance of weight, dynamics and durability
- > High-quality allrounder for performance-oriented windsurfing
- > Superior overall performance with great resilience
- > **Including single mastbag**

CROSS SDM

Length cm	Carbon %	IMCS	Weight kg	Price EUR
400	50	19	1,82	235,-
430	55	21	1,93	249,-
460	55	25	2,21	269,-
490	55	29	2,45	275,-

CROSS RDM

370	50	17	1,87	215,-
400	50	19	1,93	229,-
430	50	21	2,21	255,-
460	50	25	2,58	265,-

RDM is delivered without RDM adapter.



2 YEARS GARANTIE

No matter which model you choose, you will receive a quality-tested GUNSAILS mast with **24 months warranty**.



FROM
279 €

EXPERT

- > 70-75% carbon
- > High performance mast for noticeably lighter feel and with excellent dynamics
- > Low weight, excellent reflex performance
- > Plus in range of use and control in the upper wind range
- > **Including single mastbag**

EXPERT SDM	Length cm	Carbon %	IMCS	Weight kg	Price EUR
	400	70	19	1,73	299,-
	430	75	21	1,88	319,-
	460	75	25	2,11	339,-
	490	75	29	2,30	355,-

EXPERT RDM	Length cm	Carbon %	IMCS	Weight kg	Price EUR
	340	70	15	1,40	279,-
	370	70	17	1,65	299,-
	400	70	19	1,75	325,-
	430	70	21	1,96	345,-
	460	70	25	2,23	355,-

RDM is delivered without RDM adapter.



FROM
365 €

SELECT

- > 100 % carbon
- > Maximum performance with minimum weight
- > Selected high modulus prepreg carbon material
- > Incredible handling and high end performance due to best reflex speed
- > **Including single mastbag**

SELECT SDM	Length cm	Carbon %	IMCS	Weight kg	Price EUR
	430	100	21	1,82	425,-
	460	100	25	1,95	455,-
	490	100	29	2,13	479,-
	520	100	32	2,35	559,-
	550	100	35	2,48	599,-

SELECT RDM	Length cm	Carbon %	IMCS	Weight kg	Price EUR
	370	100	17	1,45	365,-
	400	100	19	1,59	375,-
	430	100	21	1,77	409,-
	460	100	25	2,03	419,-

RDM is delivered without RDM adapter.



BOOMS

M O N O C O Q U E
T E C H N O L O G Y

Monocoque means a continuous tube at the front of the boom, on which the locking mechanism (the front end) is placed. Booms with this technology are stiffer than conventional systems, where the boom arms are connected with the front end via a clip or screw system. However, monocoque booms cannot be «disassembled» for transportation purposes.

BOOM FEATURES

SL FRONT PIECE

Our Cross, Expert, and Select models are equipped with a pivoting front piece. The supporting surface on the mast is maximally long and designed with large-area soft plastic on the inside. As a result, the front piece sits firmly on the mast and cannot slip. The fully integrated RDM adapter has the same features and can be removed with one click. The new lever is longer and makes closing easier without squeezing fingers.



Pivoting front piece with long, mast-protecting sleeve



Removable RDM adapter



Double Pin-Lock length adjustment at rear end



Philippe Vigneron
Chef Tester

"A solid and stiff boom is just as important for the sail performance as the matching mast."

ADAPTIVE REAR END

Depending on the model and length, three differently shaped rear ends with different trim systems are used. These are then equipped with loop-to-loop or roller end piece trim systems.

ROUND TAIL



ALUMINIUM ROUND TAIL
LOOP-TO-LOOP for CROSS
140-190, 150-200 cm



CARBON ROUND TAIL
REAR END WITH ROLLS
for EXPERT 190-240 cm

SQUARE TAIL



ALUMINIUM SQUARE TAIL
LOOP-TO-LOOP for CROSS
160-210, 180-230, 200-250 cm
and all V-CROSS



CARBON SQUARE TAIL
LOOP-TO-LOOP for EXPERT
150-200 cm, SELECT 140-190,
160-220 cm

WIDE SQUARE TAIL



CARBON WIDE SQUARE TAIL
REAR END WITH ROLLS
for SELECT 180-240, 200-250,
230-290 cm



SELECT

H I G H E N D C A R B O N B O O M S

**DISTANCE AHEAD**

140er: 38 cm
160er: 42 cm
180er: 48 cm
200er: 52 cm
230er: 54 cm

**DIAMETER IN
GRIP AREA**

Ø 26 mm:
SELECT SLIM 140-190 cm
Ø 27,5 mm:
SELECT 160-220 cm
Ø 29 mm:
SELECT 180-240 cm
SELECT 200-250 cm
SELECT 230-290 cm

140er: 13,5 cm
160er: 13,5 cm
180er: 19 cm
200er: 19 cm
230er: 19 cm

**DISTANCE
BACKSIDE**

Models shown:
SELECT SLIM 140-190 cm
SELECT 200-250 cm

**CARBON SQUARE TAIL**

LOOP-TO-LOOP for SELECT 140-190, 160-220 cm / EXPERT 150-200 cm

**CARBON WIDE SQUARE TAIL**

REAR END WITH ROLLS for SELECT 180-240, 200-250, 230-290 cm



BOOMS

A . C . E . S .
C O N C E P T



Model shown: ADVANTAGE 140-190 cm



FROM
139 €

Model shown: CROSS 180-230 cm



FROM
189 €

Model shown: V-CROSS 160-210 cm



FROM
209 €

ADVANTAGE

- > Monocoque construction with increased stiffness
- > Modern Curve with individual bend curves
- > Pivoting front piece
- > Double Pin-Lock length adjustment at rear end every 2 cm
- > Integrated RDM adapter for size 140 and 160 cm
- > Size 180 and 200 cm without RDM adapter

Length cm	Weight kg	Sail range sqm	Ø Tubes mm	Price EUR
140-190	2,4	3.2 - 6.5	28	139,-
160-210	2,5	4.5 - 7.5	28	149,-
180-230	2,8	5.7 - 8.6	30	159,-
200-250	3,0	7.0 - 9.6	30	169,-



Pivoting front piece with long, mast-protecting sleeve



Double Pin-Lock length adjustment at rear end every 2 cm

CROSS

- > Monocoque construction of high-quality T8 aluminium with outstanding stiffness results
- > Ergonomic curve enables fatigue-free and relaxed sailing
- > Tapered tube technology, 26 mm in grip area for comfort on the hands, tube gets thicker towards the rear end to 29 mm for more stiffness (Size 140, 150 and 160 cm)
- > Continuous tube diameter of 29 mm from size 180 cm on
- > NEW: Wide Square Tail rear end for sizes 160, 180 and 200 cm
- > Double pin lock length adjustment every 2,5 cm
- > Integrated RDM adapter

Length cm	Weight kg	Sail range sqm	Ø Tubes mm	Price EUR
140-190	2,6	3.2 - 6.5	26*	189,-
150-200	2,7	4.0 - 7.0	26*	195,-
160-210	2,8	4.5 - 7.5	26*	199,-
180-230	3,0	5.7 - 8.6	29	209,-
200-250	3,2	7.0 - 9.6	29	219,-

* in harness lines area



PIVOTING FRONT PIECE with removable RDM Adapter



ALUMINIUM ROUND TAIL LOOP-TO-LOOP for CROSS 140-190, 150-200 cm



V-CROSS

- > Monocoque construction made of T8 aluminium with excellent stiffness values
- > Ergonomic curve allows fatigue-free, relaxed surfing
- > 26 mm tube profile with double-walled V-Shape
- > Stiffness is comparable to a full carbon boom
- > Double pin-lock length adjustment every 2.5 cm
- > Removable RDM Adapter
- > NEW: Wide Square Tail rear end

Length cm	Weight kg	Sail range sqm	Ø Tubes mm	Price EUR
140-190	2,8	3.2 - 6.5	26	209,-
160-210	3,1	4.5 - 7.5	26	219,-



ALUMINIUM SQUARE TAIL LOOP-TO-LOOP for CROSS 160-210, 180-230, 200-250 cm and all V-CROSS



2 YEARS GARANTIE

No matter which model you choose, you will receive a quality-tested GUNSAILS boom with **24 months warranty**.

Model shown: EXPERT 150-200 cm



FROM
339 €

Model shown: SELECT 180-240 cm



FROM
589 €

EXPERT

- > Hybrid boom, tubes in Monocoque construction of high-quality T8 aluminium
- > 150 cm: Carbon Square Tail rear end for wave, freestyle, freemove
- > 190 cm: Carbon Round Tail rear end with rolls for freeride and freerace
- > Ergonomic new school curve enables fatigue-free and relaxed sailing
- > Double pin lock length adjustment every 2 cm
- > Integrated RDM adapter

Length cm	Weight kg	Sail range sqm	Ø Tubes mm	Price EUR
150-200	2,6	4.0 - 7.0	27,5	339,-
190-240	3,1	6.3 - 9.6	29	359,-



**CARBON SQUARE TAIL
LOOP-TO-LOOP** for EXPERT
150-200 cm



**CARBON ROUND TAIL
REAR END WITH ROLLS** for
EXPERT 190-240 cm

SELECT

- > Full carbon boom for highest demands on stiffness and performance
- > 140 and 160 cm: Square Tail rear end for wave, freestyle and freeride
- > 180, 200 and 230 cm: Wide Square Tail rear end and slight V-shape which gets thicker towards the rear to solid 34 mm
- > Range of use of these sizes are freerace, slalom and formula sails
- > The Square shape of the rear end results in less tube bending and improves the stiffness
- > Thanks to the wider shape in the rear area the sail has less contact to the inner boom side which protects the sail and reduces turbulences
- > Double pin lock length adjustment every 2 cm
- > Integrated RDM adapter

	Length cm	Weight kg	Sail range sqm	Ø Tubes mm	Price EUR
SLIM					
	140-190	2,1	3.2 - 6.5	26	589,-
	160-220	2,5	4.5 - 8.0	27,5	619,-
	180-240	3,4	5.7 - 9.6	29*	689,-
	200-250	3,5	7.0 - 10.0	29*	709,-
	230-290	3,7	8.6 - 12.0	29*	839,-

* in harness lines area



**CARBON SQUARE TAIL
LOOP-TO-LOOP** for
SELECT 140 und 160 cm



**CARBON WIDE SQUARE
TAIL REAR END WITH
ROLLS** for SELECT 180,
200 and 230 cm





66

HARDWARE

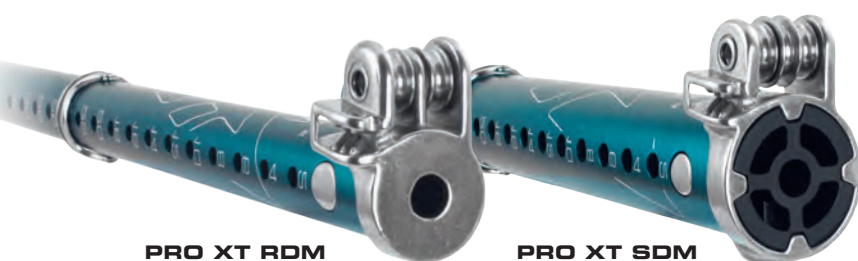
BE PREPARED



PRO XT

H I G H E N D
M A S T E X T E N S I O N S

The GUNSAILS Pro XT extensions guarantee maximum durability and function. The stainless steel fittings are easy and intuitive to handle and indestructible in use. With the smooth-running wheels and the included Dyneema rope, the trim power of each sail will be reduced to a minimum. It doesn't matter how the trim block of your sail is mounted, with the Pro XT extensions the trimming always works without rope-crossing.



PRO XT RDM

PRO XT SDM



The GUNSAILS Pro XT mast extensions are supplied with a Dyneema rope.



480 mm

320 mm



Height adjustment by snap ring with hinge and rubber every 20 mm



3 easily running rolls incl. Dyneema rope, rope guide through axis

PRO XT SDM

- > Anodised aluminium mast extension for all SDM masts
- > Height adjustment by snap ring with hinge and rubber every 20 mm
- > Solid stainless steel trim block
- > 3 easily running rolls incl. Dyneema rope, rope guide through axis
- > Suitable for all sail brands, no matter how the trim pulley of your sail is aligned
- > Metal push button for release
- > Compatible with Classic Base, Cardan Base, Pro Base Pin, Tendon HD and all pin systems of other manufacturers

320 mm **79 €**
480 mm **85 €**

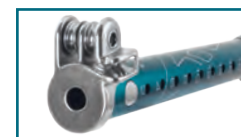


480 mm

320 mm



Height adjustment by snap ring with hinge and rubber every 20 mm



2 easily running rolls incl. Dyneema rope, rope guide through axis

PRO XT RDM

- > Anodised aluminium mast extension for all RDM masts
- > Height adjustment by snap ring with hinge and rubber every 20 mm
- > Solid stainless steel trim block with integrated pin hole, no deformation possible
- > 2 easily running rolls incl. Dyneema rope, rope guide through axis
- > Suitable for all sail brands, no matter how the trim pulley of your sail is aligned
- > Metal push button for release
- > Compatible with Classic Base, Cardan Base, Pro Base Pin, Tendon HD and all pin systems of other manufacturers

320 mm **79 €**
480 mm **85 €**

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM





SDM CLASSIC

- > Aluminium mast extension for all SDM masts
- > Height adjustment every 25 mm, secured by steel pin
- > 2 large and easy turning brass rolls, 3-fold diversion
- > Compatible with Classic Base, Cardan Base, Pro Base Pin, Tendon HD and every other pin-system from other manufacturers

Base 00	22 €
150 mm	38 €
300 mm	44 €
450 mm	49 €



TRIM WINDER

- > Massive winder with universal V2A-pin

45 €



TWO HAND TRIM TOOL

- > With integrated Philips and 13 mm spanner socket

20 €



ROPE SET

- > 4 mm, Breaking strain: 600 kg

2 € per Meter



MARLOW FORMULINE

- The 12-fold braided, light and highly stable rope significantly reduces the trim forces

- > 3.8 mm Dyneema
- > Breaking strain: 619 kg

4 € per Meter



PRO BASE

- With M8 set screw, can be used for Classic extensions by screwing on a pin.

- > Suitable for the attachment of a quick release cup (US-System)
- > Flat, tough joint for direct power transmission
- > With Security Rope

37 €



V2A PIN

7,50 €



POWER JOINT

- > M8 thread

17,50 €



TENDON JOINT

- > For Pro Base and Pro Base Pin

12 €



TENDON JOINT HD

- > For Tendon HD Base

17 €

More details about our accessories on www.gunsails.com





RDM CLASSIC

- > Aluminium mast extension for all RDM masts
- > Height adjustment every 25 mm, secured by steel pin
- > 2 large and easy turning brass rolls, 3-fold diversion
- > Compatible with Classic Base, Cardan Base, Pro Base Pin, Tendon HD and every other pin-system from other manufacturers

Base 00	22 €
150 mm	38 €
300 mm	44 €
450 mm	49 €



RDM CARBON

- > Carbon mast extension for all RDM masts
- > Height adjustment every 25 mm, secured by steel pin
- > 3 easy turning brass rolls, integrated clamp cleat
- > Compatible with Classic Base, Cardan Base, Pro Base Pin, Tendon HD and every other pin-system from other manufacturers

150 mm	89 €
300 mm	99 €
450 mm	109 €

69



CARDAN BASE

- The Cardan Joint can easily be «bent» without resistance, making it much easier to attach the rig.
- > Ideal for beginners and children
 - > Strong Cardan Joint with Security-Strap
 - > Fitting for all Classic extensions with pin-systems
 - > A must have for all Wind SUPs

39 €



CLASSIC BASE

- > Flexible Power Joint with Security-Strap
- > Fitting for all Classic extensions with pin-systems
- > Already assembled, long V2A standard pin

37 €



PRO BASE PIN

- > With pre-mounted short V2A pin
- > Short, tough for direct power transmission
- > Fitting for all Classic extensions with pin-systems
- > With Security Rope

42 €



TENDON HD

- > Stainless steel pin and top in one piece, so the pin can never turn out
- > Fitting for all Classic extensions with pin-systems
- > Flat, resistant tendon joint for direct power transmission
- > With Security Rope

59 €

All bases can be mounted without tools on boards with US Finbox Deck.



ACCESSORIES



WINDBOSS

- > Wind speed range: 0.7 - 30 m/s, Accuracy: $\pm (4\% + 2 \text{ digits})$
- > Resolution: $<20 : 0,1 >20 : 1$
- > Display: 3 digits LCD display
- > Sampling time: 1 time per second
- > Temperature range: $-20^{\circ}\text{C} - 50^{\circ}\text{C}$
- > Battery life: at least 30 hours

74,⁹⁰ €



STEEL CABLE

- > 4 meters, for antitheft
- > Matching pin for both board locks

25 €



Power Box
Systeme



US Box
Systeme

BOARD LOCK

- > For US or Power Box-Systems

16,⁵⁰ €



BASE PROTECTOR

- > Toe protection, to be slipped over the mast base

13 €



STRAP SETS

- Length 250 cm : **15 € per pair**
- Length 500 cm : **17 € per pair**



MAST PROTECTION

- SDM **7 €**
- RDM **14 €**



FOOTSTRAP

15 € per piece



NAUTIX GRIP

- > 2 components, 0,5 kg non-slip varnish/coating for your board.

38 €



NEOPRENE GLUE

- > 35 ml - black

9,⁵⁰ €



NEOPRENE CARE

- > 250 ml

16 €



EPOXY REPAIR SET

- > Epoxy resin with hardener, 24 g

13,⁵⁰ €



EPOXY REPAIR STICK

- > Spatula plasticine, 57 g

14 €



SAIL REPAIR TAPE

- > Transparent, 3 m, 50 mm wide

9 €



HARNESS MONOLINE FIX PRO

- > Length: 24 / 26 / 28 / 30 inch
- > Flat webbing
- > **Stiffer connection to the boom,** more protruding harness line
- > For experienced sailors

16 € per pair



HARNESS LINE FIX PRO

- > Length: 18 / 20 / 22 / 24 / 26 / 28 / 30 / 32 / 34 / 36 inch
- > Pre-stretched rope with solid PE-coating
- > Flat webbing for better handling
- > **Stiffer connection to the boom,** more protruding harness line

18 € per pair



HARNESS LINE FIX

- > Length: 18 / 20 / 22 / 24 / 26 / 28 / 30 inch
- > Pre-stretched rope with solid PE-coating
- > Mounting without disassembling the boom

17 € per pair



HARNESS LINE VARIO

- > Length: 20-26/ 24-30/ 28-34 inch
- > Pre-stretched rope with solid PE-coating
- > **Stepless length adjustment possible whilst sailing, due to metal buckle**

20 € per pair



RACE TRIM SET

- > For mounting on the boom until boom arm diameter of 29 mm
- > The outhaul tension can be changed whilst sailing

69 €



RACE TRIM SET XL

- > For mounting on the boom until boom arm diameter of 35 mm
- > For Select Boom 180, 200 and 230 as well as other booms with oversize rear end
- > The outhaul tension can be changed whilst sailing

69 €



PULLEY HOOK

13,50 €



ROOF RACK PADS

- > For covering the roof rack
- > Protect your board against pressure marks

15 € per pair



UPHAUL

7,50 €



UPHAUL PLUS

- > Bungee Style with EVA handles for easier grabbing and uphauling

14,50 €



T-BOOM PROTECTOR

- > Both protect your board against the front end of your boom

17,50 €



BOOM PROTECTOR

10 €

SAY HY

HY - WING & HY - FOIL

HY-WING

brehtaking discipline in such a short time. Winging is versatile and easy to learn, a Wing is compact and easy to use. But above all, the new sport offers unlimited fun from the very first attempts. You can observe how Wing Surfing finds new areas of application in various ways. We are excited to explore the future of winging together with you.

HY-FOIL

The GUNSAILS HY-FOIL series is the result of a long and intensive development and was designed by some of the most experienced aircraft engineers in Germany. Optimized wing profiles result in unique efficiency in generating lift and minimal drag for instant take-off and acceleration. The aluminum fuselage is the result of a precise, robotic manufacturing process and it is designed for high vertical stability and the lowest possible drag. The super lightweight front and rear wings are also made of high-strength high modulus carbon and are designed for freestyle, freeride and freerace in medium to strong wind conditions.



HY-WING
HY-FOIL WING
HY-FOIL WIND

74-75
76-77
78-79



HY-WING

ALLROUND PERFORMANCE

The HY-WING is super easy to handle and still develops a high level of performance. It is the perfect choice for the absolute beginner to those who are currently expanding the horizons of this sport. Despite the fast evolving discipline, our R&D has taken the time to develop a product that fully meets the GUNSAILS standards for quality and performance. Working closely with Harlem Kitesurfing, a new but very innovative brand from Holland, we have managed to develop a wing that is well balanced and creates just the right amount of drive. It covers the needs of beginners and will excite advanced riders at the same time. The Wing is equipped with numerous features that guarantee performance and durability. Every one of our team riders who has had the chance to test the Wing has been thrilled. The Wing features an extremely balanced profile with just the right amount of power and speed. The compact outline makes it super easy to maneuver. The profile aligns smoothly from tremendous drive to absolute neutrality. Two generously designed windows provide the necessary overview. The clever combination of materials used makes the Wing direct and responsive, yet it remains easy to handle and extremely forgiving. Setup is a breeze, just inflate and you're done. After the session, the Wing can be folded back up and stored in the included bag to save space. The HY-WING shows the way from the first Wing attempts to jibes and explosive jumps. An uncomplicated and powerful introduction to the discipline of wing surfing. Say HY!

FEATURES

Three wide, padded handles on the middle strut allow maximum freedom in positioning the hands, so the Wing can be easily operated with one hand. With the Neutral Handle, a soft loop on the leading edge, the Wing can be depowered with just one hand, perfect for wave riding where you don't need a pull in the Wing. Under the loop is a soft pad that protects the knuckles. The Leading Edge of the HY-WING is made of super light and high quality Double Diced Dacron and the Canopy material is made of High Density Ripstop. The Fusion Trailing Edge completes the construction at the Leech and additionally increases the durability of the wing.

KEY FACTS

- > Full traction control
- > Wide wind range, One size covers almost every wind speed
- > For all skill levels
- > Easy to learn and very accessible
- > Responsive and super durable construction
- > Bayonet Valve
- > Neutral Handle on the middle strut

INCLUDED IN DELIVERY:

Wing, Pump, Leash, Backpack, Repair Kit



HY-WING



BACKPACK



PUMP



LEASH & REPAIR KIT

"Light, stable and comfortable, everyone will find something to suit them in this HY-WING."

Wingsurfer Journal



Julian Salmons
G-801

"The HY-WING is a great freerider with an excellent downwind/speed ratio, you are well equipped and you're ready to go!"

More details about our
HY-FOIL WING 1600
on www.gunsails.com

HY-WING TECHNOLOGY

HY-WING



75



TECH SPECS

Size sqm	Wind range* Knt/Bft	Weight kg	Height m	Span width m	Price EUR
4.0	14-30 (4-7 Bft)	2,10	1,9	3,03	699,-
5.0	10-25 (3-6 Bft)	2,37	2,1	3,34	749,-
6.0	<10 (2-4 Bft)	2,62	2,3	3,71	789,-

*The specifications are based on a wingsurfer with a body weight of 75 kg. Who is significantly heavier or lighter takes the next larger or smaller size.

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM



HY-FOIL

WING 1600

WINGSURF HYDROFOIL



Following the footsteps of the HY-WING, the new HY-FOIL WING 1600 is designed to deliver outstanding allround capabilities in Wing surfing. With 2 different backwing options, the HY-FOIL WING 1600 will adapt to the needs of the Wingfoil beginner, as well as the experienced wing surfer. Within the development of this beauty we always had one goal in mind - improve your winging and just have fun while doing so. With our Carbon/Aluminium Hybrid Construction, the foil combines aerospace grade Aluminium components with high modulus carbon wings. The result is durability and lightness within an innovative design, all available within a reasonable price level.

FOIL DESIGN

The characteristic moustache form is driven by a bionic design approach. The central part of the frontwing is inspired by the wings of the albatross as the overall profile and sides of the wing resemble the fins of a dolphin. Nature has been selecting the best creations for a while so the aircraft engineers who have been developing this foil with us have been looking above and below sea level for inspiration. Combined with countless hours of simulation and years of experience we managed to find the sweet spot between stability, speed and control while minimizing the drag of the foil. The resulting foil stands out through immense stability on straight flights, while keeping turning characteristics extremely easy and under control. The wing surface that is following the special moustache line will create lift through every moment of a turn or jibe while the rather pronounced profile will help to take off with the lightest of breezes.

The thicker profile of the frontwing and the rounded edges of the overall wing design, will increase the safety of use of the HY-FOIL Wing 1600.

KEY FACTS

- > Aerospace grade Aluminium Mast
- > Aluminium Fuselage, CNC milled and anodized
- > Designed by aircraft engineers
- > Carbon Wings
- > Padded Alu Plate Connector (Double US Box): strong and shock absorbing
- > Cushioned foil bag to store your wings, mast and fuselage safely and conveniently



DESIGNED BY
AIRCRAFT ENGINEERS



HYDRODYNAMICALLY
OPTIMIZED



MODULAR SYSTEM



DURABILITY



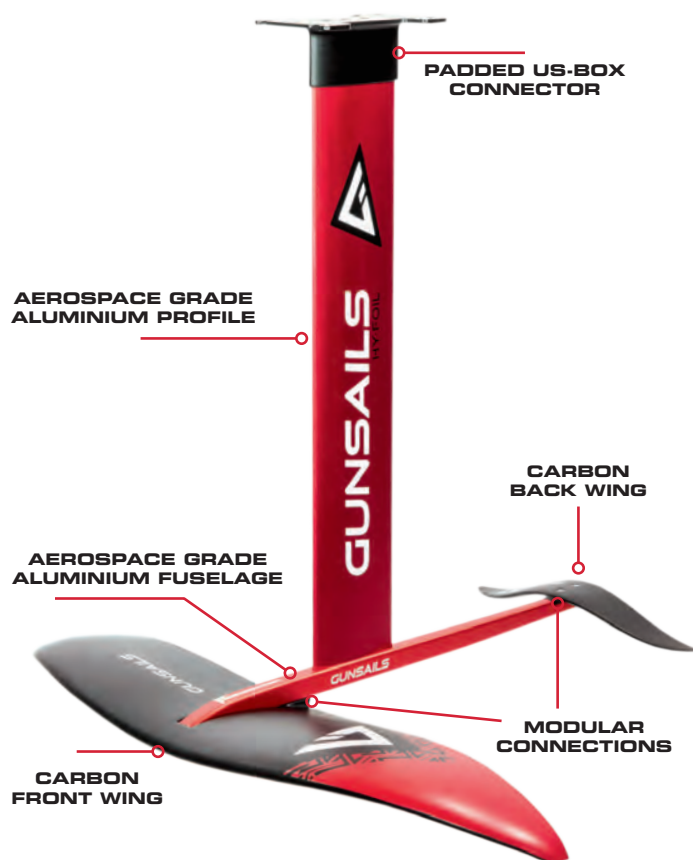
SAFETY

More details about our HY-FOIL WING 1600
on www.gunsails.com



"A great all-round foil,
super stable, easy to
fly and amazingly fast."

Julian Salmons
G-801



CARBON FRONT WING



CARBON BACK WING 220/282



SEALED ALU MAST FOOT



AEROSPACE GRADE ALU MAST



BIONIC WING DESIGN



PADDED US-BOX CONNECTOR



MODULARITY

The aluminium fuselage is the key enabler to the foils' modularity. We will be offering multiple wing and mast options to extend your set all around the modular wing platform. The HY-FOIL Wing will be your reliable and versatile ticket to fly and improve your winging game. Fly-HY!

WHICH BACKWING TO CHOOSE?

The two different backwing options will make the HY-FOIL Wing as versatile as it gets: If you are a beginner, pump foiler or a rather heavier wing surfer (above 80kg) choose the bigger backwing with 282cm² surface. If you are intermediate level or above, light-weight (below 80kg) and are looking to push the HY-FOIL Wing to its top speed, go for the smaller version with 220cm².

Need Help? Our customer service will be available for you via chat, email or telephone. Just get out and Fly HY!

TECH SPECS

Connector	Double US-Box	Carbon Wings	Area	Span
Mast cm	80		cm ²	mm
Fuselage cm	72	Front Wing	1600	950
Weight kg	5,40	Back Wing	220/282	400

999 €



HY-FOIL

WINDSURF

FREE / FREE SERIES

HY-FOIL FREE 1050

HYBRID CONSTRUCTION

The ultimate Freeride Foil in the HY-FOIL Range will amaze beginners and experienced foilers alike. Thanks to the work of some of the most experienced aircraft engineers in Europe the foil inherits a unique efficiency and allows it to take off with the lightest breeze. All based on a modular system that will be able to grow with your needs and abilities. With its high aspect ratio frontwing and a rather slim profile it combines low wind performance with outstanding acceleration, effortless flights and reliable control.

The HY-FOIL FREE 1050 is built in our aluminium/carbon hybrid construction leading to the perfect compromise between stability, lightness and price. The high modulus carbon frontwing with downward facing wingtips provide additional stability while ensuring more safety for the rider. A 95cm long fuselage, built from Aerospace grade aluminium is the sweet spot between stability and agility. Precisely synchronized modular mounting slots within the fuselage are securing the front- and back wing in the perfect angle of attack. The carbon backwing, with its subtle wingtips, stabilizes the flight and regulates the lift in higher speeds.

Thanks to years of simulation experience from the aircraft industry, the HY-FOIL FREE 1050 reaches the optimum of lift efficiency and speed, while reducing drag and avoiding turbulence. This precisely calculated and fine tuned foil will be the perfect choice for every foiling ability and will lift your foiling comfortably to the next level.

Say-HY!



78



KEY FACTS

- > Aerospace grade anodized aluminium mast and fuselage
- > High modulus carbon wings
- > Long aspect ratio freeride wing for stability and higher speeds
- > Designed and simulated by aircraft engineers for unique foil efficiency
- > Modular platform WF1
- > Padded alu deep tuttlet box connector

TECH SPECS

Connector	Deep Tuttle Box	
Mast cm	85	
Fuselage cm	95	
Weight kg	4,50	
Carbon Wings	Area cm²	Span mm
Front Wing	1050	900
Back Wing	316	480

899 €

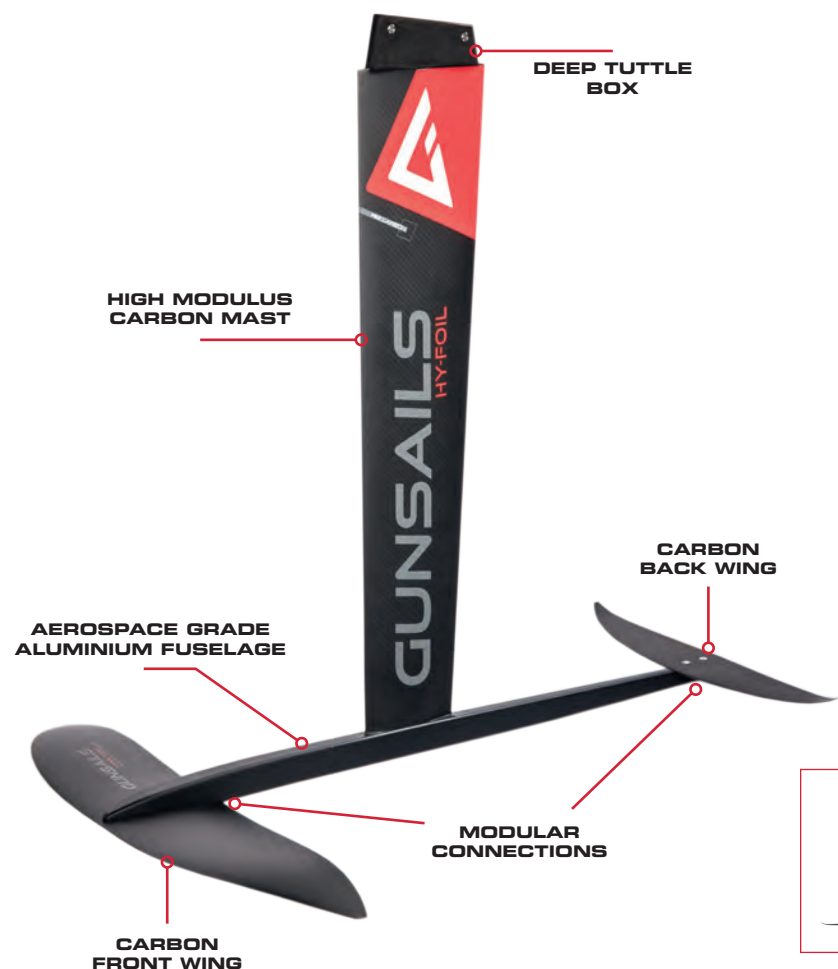


HY-FOIL FR 900

HIGH MODULUS CARBON

The HY-FOIL FR is a performing all round foil equipped with high-class construction features. The foil is designed for all levels of foilers and the use from relaxed freerace up to freestyle manoeuvres in medium to high wind conditions. The profiled mast, which is built from solid high modulus carbon, creates the lightest and also most direct connection to your foil possible. The high modulus carbon monocoque construction also gives our high-class foil the crispest reaction and is marvelous to look at. That will enable beginners to control, feel, and enjoy the foil and allow advanced foilers to push speed and acceleration to the limit. With its 90 cm long aluminum fuselage, the foil provides a lot of stability and allows a controlled flight, even at high speeds. A high class freeride foil with the potential to lift your foiling to the next level.

HY there!



HY-FOIL
FREE / FR SERIES



HIGH MODULUS
CARBON MAST



CARBON
FRONT WING



CARBON
BACK WING

KEY FACTS

- > High Modulus Carbon Mast (85cm): durable and stiff
- > Padded Alu Plate Connector: strong and shock absorbing
- > Aluminium Fuselage, CNC milled and anodized, aerospace grade
- > Ultralight High Modulus Carbon FR 900 front wing & 480mm stabilizer back wing
- > Cushioned foil bag



DESIGNED BY
AIRCRAFT ENGINEERS



HYDRODYNAMICALLY
OPTIMIZED



MODULAR SYSTEM



DURABILITY



SAFETY

TECH SPECS

Connector Mast cm	Deep Tuttle Box 85	Carbon Wings	Area cm²	Span mm
Fuselage cm	90	Front Wing	900	700
Weight kg	6,62	Back Wing	316	480

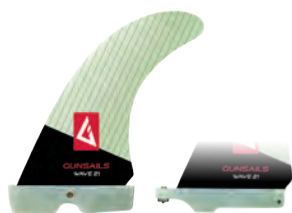
1299 €

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM



FIN S

T U N E Y O U R
B O A R D



Also available in US Box

WAVE

- > Manoeuvre-oriented and very reactive wave fin
- > Perfect grip, with a superb combination of flex and twist

Size cm	Material	Fin Box System	Price EUR
21	G10	PB / US	69,-
23	G10	PB / US	69,-
25	G10	PB / US	79,-
28	G10	PB / US	79,-
30	G10	PB / US	79,-



X-OVER

- > Manoeuvre-oriented bump and jump fin
- > Ideal for the use with freemove- or small freeride boards

Size cm	Material	Fin Box System	Price EUR
28	G10	PB	75,-
30	G10	PB	75,-



RIDE

- > Powerful, fast freeride fin
- > Top ride comfort good lift for early planing and planing through lulls
- > Ideal for wider boards

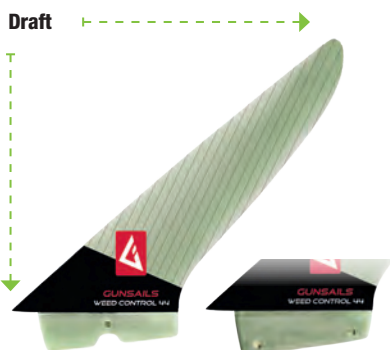
Size cm	Material	Fin Box System	Price EUR
32	G10	PB	79,-
34	G10	PB	79,-
36	G10	PB	79,-
40	G10	PB	89,-
45	G10	PB	89,-



RACING

- > High performance G10 Slalom fin
- > For the use with slalom or freerace boards
- > Maximum control and comfort at top speed
- > Great directional stability

Size cm	Material	Fin Box System	Price EUR
36	G10	Tuttle	79,-
38	G10	Tuttle	85,-
40	G10	Tuttle	89,-
42	G10	Tuttle	99,-
44	G10	Tuttle	109,-
46	G10	Tuttle	119,-



Also available in Tuttle Box

WEED

- > The ultimate fin for weed areas and shallow waters
- > 40° Rake
- > For freeride, freerace and slalom boards
- > The measurement indicates the depth whereas the fin itself is significantly longer

Size cm	Material	Fin Box System	Price EUR
23	G10	PB	65,-
26	G10	PB	75,-
29	G10	PB	85,-
33	G10	PB/Tuttle	95,-
36	G10	PB/Tuttle	95,-
40	G10	PB/Tuttle	109,-
44	G10	PB/Tuttle	119,-



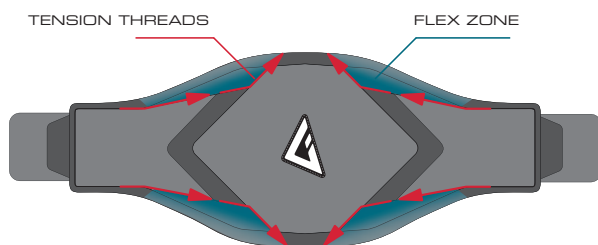
Please also consider the information of the board manufacturer when making your choice.
The «size» of the fin indicates the draft.





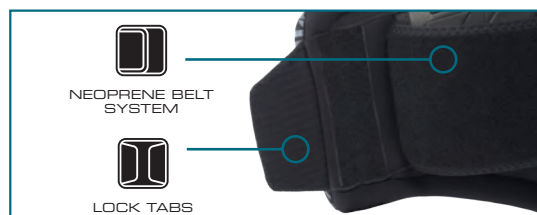
HARNESSES

G E T C O N N E C T E D



TENSION THREADS

The arrangement of the seams allows the forces acting on the hook to be directed evenly towards the middle of the harness. Thanks to the special alignment it is possible to stiffen the middle part and to make the edges more flexible. Thus, all our waist harnesses offer the perfect compromise between freedom of movement and support.



NEOPRENE BELT

allows an ideal fit. At the same time, the surface of the neoprene provides hold and stops the harness from moving. When the Lock Tabs are closed, the inner neoprene belt forms a unit with the harness and thus ensures direct power transmission. While putting on the harness, the Lock Tabs can be easily attached to the inside of the harness and afterwards connected to the belt.



TRACE
125 €

Page 83

SERVICE AND ORDERS: +49 (0)6893 80110
GUNSAILS.COM





NAVIGATE

Direct support and optimal fit for long distance surfers and slalom pilots.

- > 3D shaped back plate enables direct power transmission
- > Neoprene Belt for a perfect fit
- > Lumbar support with Neoprene Soft Edge individually adjustable by strap
- > Neoprene-covered, adjustable leg straps, not removable
- > Anti-slip silicone print in the lumbar area
- > Patented Secure Lock System 2.0
- > Sizes: S, M, L, XL



SOFT EDGE



NEOPRENE BELT SYSTEM



OUTER 3D SHELL



SECURE LOCK 2.0



KEY POCKET

95 €



GLYDE

The Allrounder with the plus in freedom of movement.

- > Medium-high 3D shaped backplate ensures direct power transmission
- > Lumbar support with Neoprene Soft Edge individually adjustable by strap
- > Adjustable, covered leg straps, removable via clips
- > Anti-slip silicone print in the lumbar area
- > Patented Secure Lock System 2.0
- > Sizes: S, M, L, XL



SECURE LOCK 2.0



SOFT EDGE



OUTER 3D SHELL



KEY POCKET

85 €

	S	M	L	XL
Waist size (cm)	68-75	75-86	86-91	91-96



SPREADER BAR PROTECTION PAD DR. HOOK

The Protection Pad serves as additional padding for ribs and chest and fits all GUNSALES harnesses and also most harnesses from other brands.

The pad distributes tension and pressure more equally and softer than the bare spreader bar. A useful upgrade for your harness.

- > Increased sailing comfort
- > Protects and gives extra support
- > 2 internal wide velcro straps hold the bar securely in place
- > Width: 27,5 cm / Height: 12 cm

Note: The hook is not included in delivery

15 €



SECURE LOCK SYSTEM 2.0

All GUNSALES Harnesses are equipped with the Secure Lock System 2.0.

The proven system is completely covered with plastic in the rear area

- > Better handling and protection against wear out.
- > Size M: length of the bar: 25 cm, for harnesses in size S and M
- > Size L: length of the bar 30 cm, for harnesses in size L and XL

25 €

"The Secure Lock System is easy to use even with fully tensioned belts and has been one of the best closure systems for years."



TRACE

The high-end model with maximum support, unique freedom of movement and the most direct power transmission.

- > Four-point hook attachment allows even better force distribution and stability
- > Ergonomic 3D interior shape for a perfect fit
- > Fully molded 3D outer shell for more response
- > Flex Zones for unique freedom of movement
- > Higher support area in the back
- > Pre-curved shape
- > Tension Threads for perfect power transmission
- > Neoprene Soft Edge for best comfort
- > Inner Neoprene Belt System for a perfect fit without slipping
- > Lock tabs for additional grip
- > Patented Secure Lock System 2.0
- > Sizes: S, M, L, XL

125 €



RELAY

The hip harness with the successful combination of flex and support.

- > Ergonomic 3D inner shape for a perfect fit
- > Flex Zones for unique freedom of movement
- > 3D Outer Shell along the Flexzones for more response
- > Pre-curved shape
- > Tension Threads for perfect power transmission
- > Neoprene Soft Edge for best comfort
- > Inner Neoprene Belt System for perfect fit without slipping
- > Lock tabs for additional grip
- > Patented Secure Lock System 2.0
- > Sizes: S, M, L, XL

99 €

	XS	S	M	L	XL
Waist size (cm)	61-68	68-75	75-86	86-91	91-96



LEAN

Light and flexible all-round harness for all disciplines.

- > Ergonomic 3D inner shape for a perfect fit
- > Flex zones for unique freedom of movement
- > Pre-curved shape
- > Tension threads for perfect power transmission
- > Neoprene Soft Edge for best comfort
- > Inner Neoprene Belt System for perfect fit without slipping
- > Lock tabs for additional grip
- > Patented Secure Lock System 2.0
- > Sizes: S, M, L, XL
- > Also available in XS

89 €





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NEOPRENE

FORCE & VISION
SERIES

With 35 years of experience in water sports, we have realized one thing: only long-lasting products are truly sustainable products. They contribute to using less energy, conserving resources and generating less waste. And last but not least, they contribute to gaining satisfied customers. That's why we put the highest priority on quality in manufacturing and materials. The technologies driving the new GUNSAILS neoprene collection are all in the interest of sustainable and eco-friendly thinking, as they save large amounts of raw materials, energy and water.



ECO-FRIENDLY NEOPRENE



LIMESTONE NEOPRENE

Instead of petroleum-based ingredients as used in the past, a calcium carbonate made from limestone is now being used which is much less harmful to the environment and also, due to the air bubbles it contains, has better flex and insulation values.



AQUA-ALPHA™ TECHNOLOGY

Water-based adhesives are used in the lamination process. These are solvent-free, more eco-friendly and, of course, less harmful for on-site processing. The bonding strength is not affected by this.



RECYCLED POLYESTER

Whenever lining fabric is applied to neoprene, it is made from polyester yarn, which is made from recycled plastic bottles. Another contribution to waste reduction and conservation of resources.



ECO CARBON BLACK

A main component of the neoprene is Carbon Black, which is later mixed with Limestone Neoprene pieces. This carbon black is now obtained in a chemical process from shredded scrap tires, which also helps to conserve resources.





NEOPRENE

FORCE SERIES



 Freezing - 10°C



FORCE FZ SEMIDRY HOOD 6/5

Never freeze anymore. The FZ Semidry Hood with Front Zip Construction is the warmest wetsuit in the GUNSAILS family. The highly elastic winter suit optimally combines protection, warmth and freedom of movement. All seams in the glued blind-stitched process are additionally provided with an elastic S-Seal, which makes the suit even more waterproof and durable.

> Sizes: 48 / 50 / 52 / 54 / 56

299 €

Size Chart on page 88



 Ca. 4°C - 12°C



FORCE FZ SEMIDRY 5/4

Very warm autumn-winter wetsuit with front zipper for demanding surfers. All seams in the glued blind-stitched process are additionally provided with an elastic S-Seal isolation, which makes the suit even more waterproof and durable.

> Sizes: 48 / 50 / 52 / 54 / 56

269 €

The temperature data are only a rough guide where the products can be rationally used. Cold is perceived very differently from person to person and can be influenced by many factors (Physical fitness, fatigue, wind force, etc.). Additional neoprene accessories (e.g. hood, boots, gloves) can further extend the range of use.

More details about neoprene products can be found on our website www.gunsails.com.

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VISION SERIES



Ca. 5°C - 15°C



VISION BZ SEMIDRY 5/4

Extraordinary warm and highly elastic semidry suit with glued blind-stitch construction for autumn and winter.

Intelligent hybrid construction: double-laminated neoprene for maximum flexibility and comfort in sleeves and legs, combined with smooth skin panels in the torso area in order to protect against evaporation cooling.

> Sizes: 48 / 50 / 52 / 54 / 56

199 €



Ca. 10°C - 20°C



VISION BZ STEAMER 3,5

Very warm and highly elastic short-sleeve steamer in glued blind-stitch construction for autumn and cooler summer days.

Intelligent hybrid construction: double-lined neoprene for maximum stretch and comfort in sleeves and legs, combined with smooth skin panels in the torso area in order to protect against evaporation cooling.

> Sizes: 48 / 50 / 52 / 54 / 56

179 €

Size Chart on page 88



Ca. 20°C - 30°C

NEO TOPS 2/1

- > Made of 2/1 mm double-lined neoprene
- > Can also be worn underneath the wetsuit
- > With additional Thermo Plush Jersey
- > Fix loop
- > Sizes: S, M, L, XL, XXL

SHORT SLEEVE
LONG SLEEVE

45 €
49 €



Ca. 15°C - 30°C



NEO SHORTS 2,5

The Neo Shorts can be worn single or underneath a boardshort, or in winter even under the wetsuit for extra warmth.

- > Made of elastic double-lined neoprene
- > Draw cord at waistband
- > Key Pocket
- > Sizes: 48 / 50 / 52 / 54 / 56

39 €

More details about our neoprene products on www.gunsails.com



Ca. 15°C - 25°C



VISION BZ OVERKNEE 2,5

Highly elastic short-sleeve over knee suit with classic flat-stitch seams. Thanks to the very comfortable $\frac{3}{4}$ legs combined with plenty of stretch and durability due to double-lined neoprene, this suit is an amazingly warm and versatile summer wetsuit.

> Sizes: 48 / 50 / 52 / 54 / 56

119 €



Ca. 15°C - 25°C



VISION LONG JOHN 2,5

Sleeveless wetsuit with robust flat-stitched seams. The Long John is also the ideal suit for all Stand Up Paddlers, as it provides maximum freedom of movement in the shoulders. Due to the shoulder entry with velcro on both sides, the suit is also flexible adjustable. Other features include Tatex Knee Protection, Shock Pads on the shin and a Key Pocket on the lower leg.

> Sizes: 48 / 50 / 52 / 54 / 56

95 €

Size Chart on page 88





Removable EVA ear protector

HYDRO HELMET

- > Outer shell made of impact-resistant ABS
- > Ventilation holes
- > Adjustable chin strap and turn-buckle at the back for size adjustment
- > Removable EVA ear protector
- > Color: matt black or white
- > Sizes (head circumference): S (53-55 cm), M (55-57 cm), L (57-59 cm), XL (59-61 cm)

39 €



Ca. 0°C - 10°C

NEO HOOD 3,0

- > Soft Thermo Plush inner jersey keeps you warm
- > Small holes around the ears improve acoustics and orientation
- > Smooth skin coating along the face opening
- > EVA Shield protects the eyes from sun, wind and rain
- > Sizes: M, L, XL

22 €



Ca. 15°C - 30°C

NEO SHOES 2,5

- > Robust, two-ply rubber sole with cut-out in the toe bend for more flexibility
- > Rubber sole patches protect the sole of the foot and are pulled up at the sides. This gives the shoe additional grip and stability
- > Sizes: 37, 38/39, 40/41, 42, 43/44, 45/46

35 €



Ca. 12°C - 25°C

NEO SOCKS 4/3

- Authentic barefoot feeling.
- > Made of robust double-lined neoprene
- > Internal split toe construction adds grip to the toe area and prevents the socks from twisting around the foot
- > One-layer Rubber Sole Patch protects the sole of the foot and is only partially pulled around at the sides
- > Sizes: 37, 38/39, 40/41, 42, 43/44, 45/46

42 €



Ca. 0°C - 15°C

NEO BOOTS 5/4

- > Made of robust double-lined Neoprene
- > Water-repellent prints in the clamping area
- > Rubber sole patches protect the sole of the foot
- > Robust, double-layered rubber sole with cut-out in the toe bend for more flexibility
- > Internal split toe construction adds grip to the toe area
- > Sizes: 37, 38/39, 40/41, 42, 43/44, 45/46

49 €



NEO JACKET 2,5

- > 2 large zipper pockets
- > Adjustable hood and enlarged back part
- > Drainholes
- > Key Pocket
- > Sizes: M, L, XL

115 €



Waist Harness Compatible
describes a special construction, which allows the comfortable wearing of a hip harness

More details about our neoprene products on www.gunsails.com



SIZE CHART

Size EU/US	Weight kg	Body size cm	Chest size cm	Waist size cm
48/S	61-70	170-176	92-98	74-81
50/M	68-77	174-180	96-103	79-86
52/L	77-88	178-185	101-107	83-90
54/XL	86-96	182-188	106-113	88-95
56/XXL	95-105	185-191	112-118	94-101

IMPACT ONE



Shock Pads
absorb impact and
create buoyancy



Waist Harness Compatible
describes a special construction,
which allows the comfortable
wearing of a hip harness

The Impact One has a special design and shape that allows a comfortable and easy use of a hip harness without restricting the freedom of movement. The elastic construction and body-accented cut prevent from annoying sliding up. The Shock Pads in the upper part provide the vest with great shock absorption characteristics and act as a slight buoyancy aid (not a life jacket). Additionally, the Impact One vest provides you with an extra of warmth when used in winter.

> Sizes: S, M, L, XL, XXL

69 €

Size EU/US	Body size cm	Chest size cm
48/S	168 - 175	86 - 94
50/M	172 - 179	92 - 101
52/L	177 - 184	100 - 109
54/XL	180 - 187	105 - 113
56/XXL	184 - 190	111 - 117

Safety note: Impact One and Floater One are NO Lifejackets. Users must be able to swim. No protection against drowning in case of unconsciousness.



The Impact One not only gives extra buoyancy but also protects you in case of falls.

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NEO BEANIE 2,5

- > 2,5 mm waterproof S-Class neoprene
- > Colour: black
- > Sizes: M, L, XL

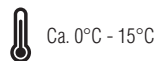
17 €



NEO HEADBAND

- > 3 mm strong S-Class Neoprene
- > Velcro fastener on the back of the head
- > One size fits all

9 €



NEO GLUE

- > 35 ml - black

9,50 €



NEO CARE

- > 250 ml

16 €



NEO GLOVES

- > 3 mm Skin Neoprene on the outside
- > Double-lined neoprene on the inside and wrist
- > Pre-curved fit for fatigue-free sailing
- > Tlatex rubber coating on the inside hand for better grip
- > Sizes: S, M, L, XL

35 €



NEO MITTENS

- Made of 2,5mm Skin Neoprene with open palm keeps wind and splash water away and thus warms your hands. You have direct contact with the boom.
- > Pre-Curved Fit, Split Finger Cut
- > Sizes: S, M, L, XL

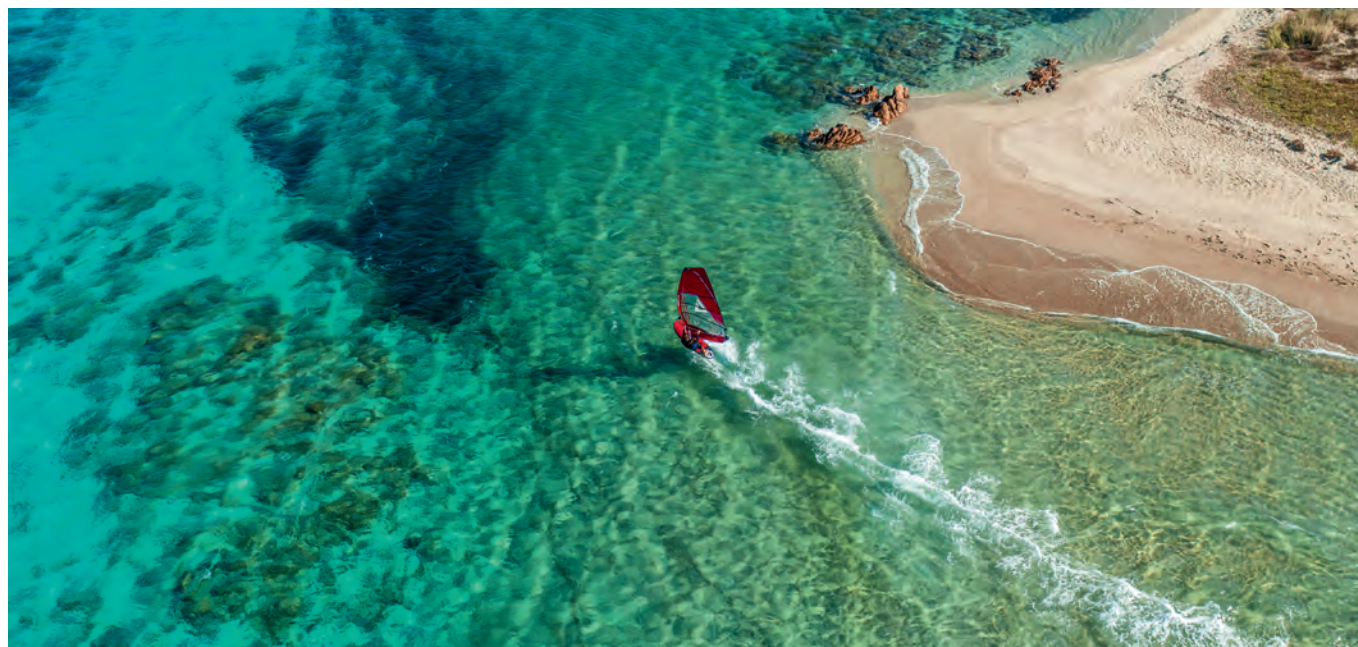
19 €



AMARA GLOVES HALF FINGER

- Prevent blisters on palms and fingers.
- > Abrasion resistant Amara suede inner surface
- > Breathable, airy flex jersey outer surface
- > Sizes: S, M, L, XL

18 €



More details about our neoprene products on www.gunsails.com





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TEAM WEAR

JOIN THE FAMILY



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More details about our
Bags on www.gunsails.com



SURF BAGS

R E  S H E L L

The GUNSALES SURF & TRAVEL BAG collection has been completely redesigned and manufactured with eco-friendly ripstop made from recycled PET bottles. Another important step on our way to become more sustainable and environmentally friendly. New boardbags with a wider range of sizes, bags for your foil equipment and the new edition of the Kombibag - for every part of your equipment we offer the right bag. There are so many new things to discover that it would exceed the scope of this catalog. Check out our homepage for all the styles and details of the new collection.





The passion for detail is also evident in the padded carrying handles or the ergonomic zipper.



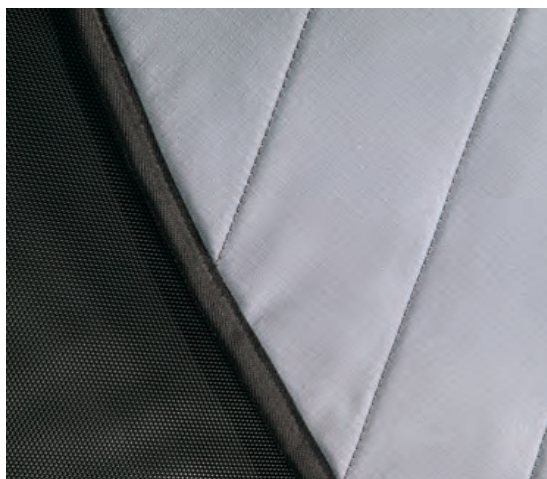
With the new GUNSAILS SURFBAG collection your equipment travels first class: well organized and well protected.



For every piece of your equipment we have the right bag, whether it comes to boards, masts, booms, fins or foils.



The HMDTY Ventilation System enables humidity to exit the bag and prevents the development of mold.



The recycled RE-SHELL Ripstop material has the same levels of tear strength and durability as non-recycled material.



An average of 15 disposed PET bottles are recycled per square meter of ripstop.

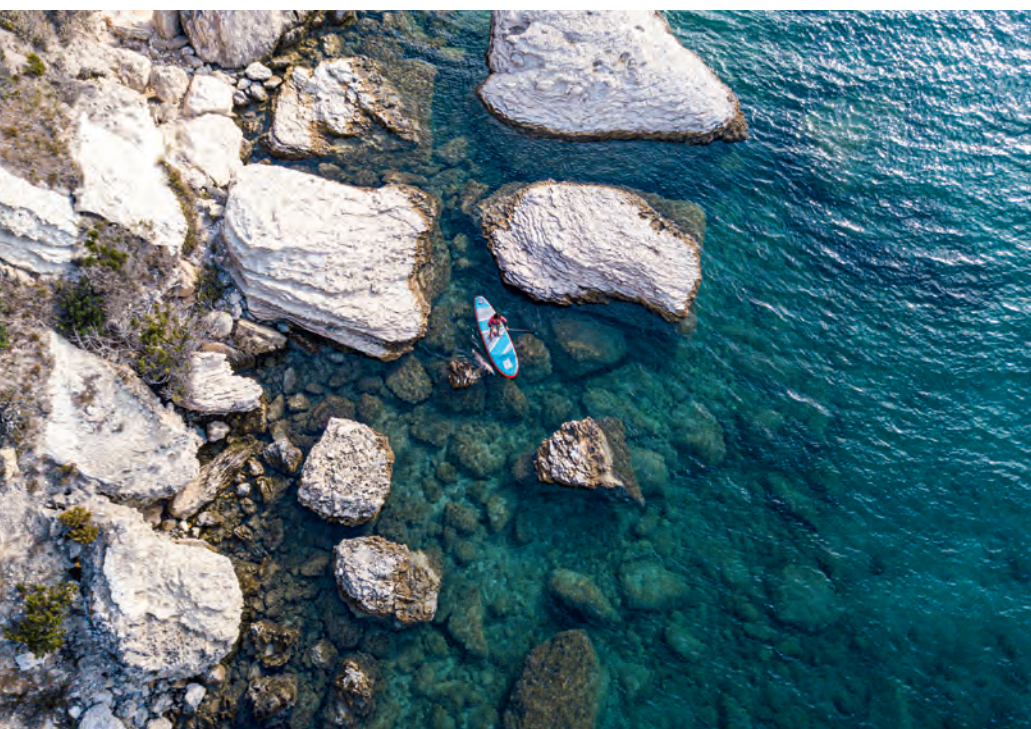




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WIND SUP

2 IN 1 INFLATABLE BOARDS



2 IN 1 INFLATABLE WIND SUP

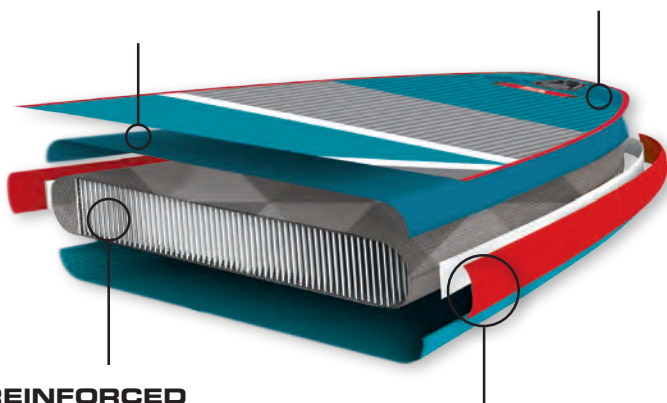
TECHNOLOGY

PRE-LAMINATION TECHNOLOGY



The dropstitch material is mechanically bonded to the first layer in the raw state with high pressure and heat. This process requires significantly less adhesive and thus enables weight savings of up to 2 kg.

EVA DIAMOND SOFT GRIP



REINFORCED DROP STITCH

High-quality dropstitch material in 4" and 6" enables highest bending and torsional stiffness.



TRIPLE RAILBAND CONSTRUCTION

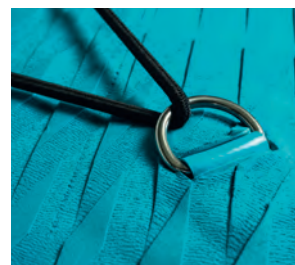
Double reinforced PVC laminates seal the dropstitch material and make it air and waterproof. The 0.9 mm rubber railband reinforcement forms the finish of the construction. The protected rails ensure durability, stability and a clean appearance.



2 YEARS WARRANTY

95

A GUNSAILS board promises besides a lot of fun also performance, stiffness and longevity. Therefore we give a 2 year warranty on every SUP Board. Convince yourself.



WIND SUP

2 IN 1 INFLATABLE BOARDS

All boards are equipped with a metal eyelet at nose and tail. Leash or lines can be attached there to fix the SUP. There is an elastic net on the bow to store everything necessary for the next SUP tour. A plate embedded in the board accommodates the mast base on which the rig can be mounted. Also included is an additional EVA disc that protects the surface of the SUP in the area of the mast mount.

The center and drag fin in the US box system can be mounted without tools.



MOV'AIR 10'9"

The inflatable Family-/ Fitness-SUP The Mov'Air was designed to meet the needs of the whole family and is the perfect companion for a joint trip at and on the water. Beginners and advanced riders of all weight classes and ages will get their money's worth with this inflatable Stand Up Paddle Board. > Rider's Weight: < 130 kg

Volume	275 l
Width	34" / 86 cm
Length	10'9" / 328 cm
Thickness	4.7" / 12 cm
Fittings	2x US-Box, Single Fin + Dragfin

899 €



WAV'AIR 9'10"

The volume distribution, the thin board edges (rails) and the three fins in the tail (thruster setup) in combination with a narrow back (squatstail) help you to get into the wave early and to perform radical manoeuvres without losing control. > Rider's Weight: < 100 kg

Volume	211 l
Width	32" / 82 cm
Length	9'10" / 299 cm
Thickness	4.7" / 12 cm
Fittings	US-Box Center Fin + 2 Sidefins

879 €



CRUZ'AIR 10'6"

The all-rounder among the inflatable SUP's. The immensely wide range of uses makes the Cruz'Air our most versatile stand up paddle board. The range reaches from relaxed paddling for the whole family over smaller tours to windsurfing. > Rider's Weight: < 130 kg

Volume	258 l
Width	34" / 86 cm
Length	10'6" / 320 cm
Thickness	6" / 15 cm
Fittings	2x US-Box, Single Fin + Dragfin

929 €



DISCOV'AIR 11'4"

The inflatable Touring and Explorer SUP The challenge for our development team was to find the perfect combination of driving stability and speed. The Discov'Air's new shape gives you the best of both worlds. The narrow outline and longer underwater hull make the Stand Up Paddle Board ideal for longer trips. > Rider's Weight: < 130 kg

Volume	286 l
Width	32" / 81 cm
Length	11'4" / 345 cm
Thickness	6" / 15 cm
Fittings	2x US-Box, Single Fin + Dragfin

969 €

INCLUDED IN DELIVERY:

SUP-Board, fins, trolley back pack, double stroke high pressure pump, repair kit



TROLLEY BAG



HP2 PUMP



DRAGFIN
except for the Wav'Air 9'10"

More details about our
WIND SUP on www.gunsails.com





RAC'AIR 12'6"

SUP Racing in Kombination mit Light Riding. Das schnellste Brett der Linie steht für Handling und Speed. Durch die mitgelieferte Schwertfinne wird aus dem Rac'Air ein stabiles WindSup.
> Riders Gewicht: < 130 kg

Volume 317 l
Width 29" / 74 cm
Length 12'6" / 381 cm
Thickness 6" / 15 cm
Fittings 2x US-Box,
Single Fin + Dragfin

999 €

SUP LEASH



29 €



FIBER PADDLE



Paddle performance on a budget. Built from HM Fiberglass and equipped with a solid blade the Fiber has exactly what you need. Split in 3 pieces the paddle easily fits in every SUP bag and will be ready for the next adventure in no time!

Length 175-215 cm
Shaft HM Fiberglass
Blade Kunststoff

99 €

HYBRID CARBON PADDLE



The ideal all round paddel - the Hybrid Carbon. Built from solid 3k carbon the paddel is light and guarantees reliable power transmission. The angular connection of the lower pieces supports the unique stiffness of the paddle. Split in 3 pieces the paddle fits easily into every SUP bag. Equipped with our groove tech system the shaft will stay precisely in its position and support the efficiency of the paddler. The ideal combination of performance, handling and price.

Also available in XL

Length 175-215 cm
Length XL 195-235 cm
Shaft Carbon
Blade 3K Carbon

HYBRID CARBON

199 €

HYBRID CARBON XL

209 €



100 % CARBON PADDLE



The GUN SUP 100% Carbon Paddle represents pure performance. With V-Structure Blade and 2-piece construction it guarantees direct power transmission. The 12k carbon finish allows the paddle to be super stiff and light at the same time. The groove tech shaft makes any kind of twist or energy loss impossible. The ABS Sidewall in the blade protects the edges from scratches or damages. The top of the line paddle from the GUN SUP Range!

Length 175-215 cm
Shaft 12K Carbon
Blade 10K Carbon / V-Structure / ABS Sidewalls

249 €



LITE RIDE

W I N D S U R F
W I N D S U R F



The Light SUP-Set from Gunsails is the perfect addition to transform your SUP board in a WINDSUP. Your choice between Stand-Up Paddling or windsurfing (lightriding) depends on your mood or the wind speed. The clou is the small package. The three-part mast and a boom fit in the sail bag. The total length of 183 cm gives you the opportunity to put it easily in the trunk of your car.

THE SET INCLUDES:

- > SUP-Sail, optional in 4,5 or 5,5 sqm
- > 3 piece SUP mast (RDM, 40% carbon, 2,4 kg)
- > FUTURE boom (variable adjustable in the size 150-190 cm, 26 mm beam diameter, 1,95 kg)
- > Transport bag
- > RDM Mast Extension, Cardan Base, Uphaul, Rope

Size sqm	Boom cm	Luff cm	Sail weight kg	Sail price EUR	Set price* EUR
4.5	178	408	1,96	219,-	539,-
5.5	183	425	2,12	229,-	549,-

*The Set includes: Sail + Mast + Boom + Mast extension RDM Classic 300 mm + Cardan Base + trim rope + Uphaul + Transport bag

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TERMS & CONDITIONS

ORDERS

Orders can be placed by phone, fax, mail or the Internet. Please always give your name and address as well as your telephone number for further inquiries. If available, please also give your customer number; It is written on the address field of the catalog envelope and on our invoices. If the delivery address differs from your home address, please clearly state this. Our friendly customer service will be happy to assist you if you have any further questions.

SHIPPING WITHIN GERMANY

Shipping is by parcel service, DHL or UPS or forwarding company. Depending on the shipment volume, it may happen that we distribute the shipment to different service providers. The shipping charges for deliveries within Germany are 15 EUR for sails, masts, booms and other bulky items, for small parts up to 3 kg and wetsuits 5 EUR.

Express deliveries with delivery on the next day is possible by telephone order for a surcharge of 20 Euros, surcharge for Saturday deliveries is 40 Euros. Delivery times are Monday through Friday 8-18 o'clock. The standard shipping time is one to two days.

SHIPPING ABROAD

Under the heading Shipping you will find on our website the flat rates to the respective country of delivery. If we are going to ship the goods to a country that is not listed, please contact us to get the exact shipping cost. Shipping is by UPS, DHL or forwarding company. Returns are at the expense of the customer. Foreign shipments can be paid by credit card (Visa, Mastercard), PayPal or advance payment (transfer to our account after receipt of a proforma invoice). VAT Reimbursement: For customers from non-EU countries, German VAT is deducted directly from the invoice amount. Please note the customs regulations of your country.

PAYMENT

The prices quoted in the catalog are in EURO, include VAT and are exclusive of applicable shipping costs. When ordering, you can choose between payment in advance, by credit card, cash on delivery, PayPal or SEPA direct debit. By advance payment: You will receive a proforma invoice by e-mail. After receipt of money on our account, the goods will be shipped immediately. By credit card: When paying by credit card (VISA or Mastercard), please state the card number, the expiry date of the card, the cardholder and the card verification number when placing your order. By SEPA direct debit: We will send you a form to fill out and sign, after return of this form, we will debit your bank account.

EXCHANGE

If you want to exchange an item, GUNSAILS assumes the costs of the return transport within Germany. For bulky goods such as sails, boards, booms, masts or board bags please use our return service, a short call to us is sufficient and we take care of the return of the goods. Small shipments please send sufficiently franked by post back to us. We will refund the postage via a refund or credit. Please do not send not-prepaid packages, they will not be accepted. The goods must be returned unused, free from damage and in their original packaging. A return slip is included with each shipment or can be downloaded from our website. For the new shipment we charge our normal freight flat rate. For Returns from abroad, the customer will pay the expense.

WITHDRAWAL

You have the right to withdraw from this contract within fourteen days without giving any reason. The revocation period is fourteen days from the day on which you or a third party named by you, who is not the carrier, has or has taken possession of the last goods. To exercise your right of withdrawal, you must contact us, the Gun Sails v. Osterhausen GmbH, Johannstr. 45, 66131 Saarbrücken, E-Mail: service@gunsails.de, Tel.: +49 6893 80110, Fax: +49 6893 70628 by means of a clear statement (e.g. a letter sent by post, fax or e-mail) about your decision to withdraw this contract. You can use the attached withdrawal form, which is not required. In order to maintain the cancellation period, it is sufficient for you to sent the notification of withdrawal before the expiry of the withdrawal period. Further information can be found on our website at: <https://gunsails.com/en/right-of-withdrawal>

CONSEQUENCES OF THE CANCELLATION

If you withdraw from this Agreement, we refund all payments we have received from you, including delivery charges (except for the additional costs arising from choosing a different delivery method than the most favorable standard delivery) immediately and at the latest within fourteen days from the date on which the notification of your revocation of this contract has reached us. For this refund, we will use the same form of payment that you used in the original transaction, unless otherwise agreed with you. In no case will you be charged for this repayment fees. We may refuse refund until we have received the goods back or until you have provided proof that you have returned the goods, whichever is the earlier.

You must return the goods to us immediately and in any event not later than fourteen days from the date on which you inform us of the cancellation of this contract. The deadline is met if you send the goods before the deadline of fourteen days. You carry the immediate costs of returning the goods. The cost is estimated at a maximum of about 50 EUR.

You only have to pay for a possible loss in value of the goods, if this loss of value is due to a handling that is not necessary for the examination of the nature, characteristics and functioning of the goods.

CANCELLATION BY RETURNING THE GOODS

You can revoke the contract, as usual, by the mere return of the goods at: Gun Sails v. Osterhausen GmbH, Johannstr. 45, 66131 Saarbrücken. If you send the goods back to us within the statutory period of withdrawal without any explanation, we consider this as a revocation of the contract.

All the documents that can help you with the return can be found together with the delivery note on your shipment.

If you have questions about your right of withdrawal or order, please contact our Service Center.

COMPLAINTS / TRANSPORT DAMAGES

If there is a problem with a product supplied by us, please contact our hotline immediately. Of course, we are happy to help. Please check the shipment immediately upon receipt for completeness and integrity. If the package is damaged, please complain to the delivery person immediately. In this case, please contact us as well. Subsequent complaints can not be accepted. The European Commission provides a platform for online dispute resolution (OS). This gives consumers the opportunity to settle disputes in connection with their online order without the intervention of a court. The platform can be reached at the external link <https://ec.europa.eu/consumers/odr/main>.

CHANGES

We reserve the right to make technical changes for product and quality improvement without prior notice.

USE OF YOUR DATA

When processing your data, your legitimate interests are always considered in accordance with the law. We process your personal data for order processing and in this context, if necessary, also forward it to third parties, e.g. Parcel Services. Furthermore, we use your address and order data for our own marketing purposes. This may also include the use of the address data in the legally permitted manner for postal advertising purposes (excluding telephone or e-mail advertising) by our trusted partners. You may reject the use, processing or transmission of your data for marketing purposes at any time by sending a written notice to Gun Sails Service, Johannstr. 45, 66131 Saarbrücken or by e-mail to: service@gunsails.de

Upon receipt of your objection, we will stop submitting the promotional material including our catalogs to you.

Further information can be found on our website at: <https://gunsails.com/en/privacy-policy>



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