

PRODUCT MANUAL

# 2011





#### FREERIDE

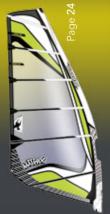


#### **RACE**





**PILOT** Freemove



**MATRIX** Freeride



**SWIFT** Freeride / -race



**SAVAGE** Freerace



**GTXrace** Speed / Freeride



**VAPOR** Race / Slalom



# MORE THAN WINDSURFING

#### Statement of the Gaastra Sails R&D Department.

#### More sails of the 2011 range got the INSET CLEW system. what is the idea behind this?

**R&D:** For 2011, we added the INSET CLEW design into a couple more sails in our range, specifically the GTXrace and the SAVAGE. We liked the setup on our Vapor, and so did our customers and team-riders. We found that the design improves handling and speed in the super top-end, as the whole leech plate works in unison, and the shifted clew loads hold the draft forward. Adding the INSET CLEW demands an easy extra step in the rigging process, so felt it was best to limit the design to our freerace machines. In this case, it was natural to re-design the GTXrace around the concept, while the new no-cam, SAVAGE, was designed from the base up with everything we've learned about the system in the last seasons.

#### So, what are basically the advantages in this system?

**R&D:** The fundemental difference is the shift in clew loading away from the low perimeter. This shift frees the low leech plate to react to gust onslaught, and keeps the profiles from getting too round in the back.

Our design is unique, as we focused on keeping harmony between the areas of the sail just above and below the boom. We wanted to attack the aerodynamic problems created by the "cut away" designs elsewhere on the market, and our INSET CLEW design provided a clean solution.

The bottom line is the end user enjoys a shorter boom, and more control, especially in the high-end.

#### The new SAVAGE comes additionally as a freerace sail into the range... what is the idea of this sail?

**R&D:** The new Savage might be the most exciting new product in the Gaastra range. It's a no-hold's-barred speed machine, made without the rigging hassle of cambers. The sail boasts race profile, and has an exciting top-end. With a robust batten layout, and the INSET CLEW system, the sail has a huge windrange combined with smooth easy handling and rigging. This is my first choice for getting out there and pushing it.

#### What about the other newcomer in 2011? the CROSS replaces the REMEDY. what is the story behind it?

**R&D:** Another new face in 2011 is the CROSS. It's roots lie in the longtime benchmark product, the Gaastra Remedy that delivered back-to-back Super X titles to Matt Pritchard.

This year we started with the Remedy and began to rework it's design to optimize it for the general market. The sail needed to be super quick, stable, and still able to handle aggressive maneuvers. As we went through the prototyping process, we really started a full re-design. Soon shorter luff lengths, like you see throughout the 2011 lineup, came in as a major parameter, and we worked our way toward a superior setup. The final result is a brand new legend, and a brand new line. Grab one today, and unleash your full potential.

### Thomas Traversa got his own signature series this season. the IQ is out for some time already, what is the feedback on the sail, and how do you see the competition against the MANIC?

**R&D:** 2011 is a big year for Gaastra. We have really re-worked our products to fit an evolving marketplace. There are so many multi-fin boards on the market now, that horsepower has become a real important part of any sail designers thinking. It simply takes more juice, to push these fins through the water. Besides horsepower, the second trend is to create more compact sails, where the power sits close to the rider. If you look at our range, you will see these ideas everywhere.

#### IC

Thomas Traversa's IQ was a breakthrough product for us. We prototyped it for several years within our own quiver, and finally released it for 2011. It features predominantly a 4 batten layout, with the biggest sails benefitting from a 5th batten. The IQ is our baby, and the theory and compact structure of this sail line can be traced all the way back. We are perhaps a bit proud to be the father of this design concept, and it's nice to see that the market has finally started realize the potential of these short rigs. It's sails like the IQ that are opening up new doors for the best riders out there. Watch the Thomas video segments. It's mind blowing.

#### **MANIC**

The new Manic is basically a melting pot of the 2010 Manic, mixed with the fresh ideas from the IQ. This sail is a wave killer. Guys like Kevin and Ross are killing it on the new Manic. It is super comfortable at Hookipa, while working terrific at your local break as well. It keeps it's lower clew grommet, and Dacron luff panel for maximum elasticity. The big update is the more compact outline, putting the power spot closer to the rider, and overall reducing mast count. We would say that the Manic still defines the perfect side-off kit.

#### **POISON**

The Poison is the most classic sail in the lineup. It still features and xply luff panel, slightly stiffer shaping, and a higher clew. For 2011, it's luff and booms are updated, but it still has that torque quality from yesterday's Poison. This sail excels in real world, and onshore conditions, while remaining rock solid in the top end.

#### Gaastra has quite an impressive team right now. must be great to work with all these athletes...

**R&D:** Our team is amazing. Without them, the sails wouldn't be where they are today. We rely on them for endless feedback. Their complaints and wishes are what drive the development cycle.

#### **FREESTYLE**

In freestyle we have Kiri, Tonky, Kiri, Steven, Davy... u name it. There is no question that we ARE the guys to beat. Overall, we've been the strongest team in freestyle for years. These guys are always looking for light, ultra maneuverable sails that still have the pop to get them moving after stomping a trick.

#### **WAVES**

For our wave equipment division, we have Ross, Kevin, Alex and Thomas... Kevin is nearly unbeatable at Hookipa, while Alex and Thomas are innovators, and perhaps the most exciting free-sailors in the world. Ross drives hard, and has the ever-impressive ability to make anything look easy. We get different perspectives from these guys, which is perfect when we sit down to create a design brief.

#### **RACING**

You want to talk about a powerhouse lineup? Our Gaastra Race Team consists of Ross, Arnon, Kevin, Cedric, Sarah Q, and Alberto. These guys know what they want, and demand excellence in their equipment. It's hard work to try to keep them happy, but the resultant product is spectacular. We feel pretty lucky to have this much talent in our camp.

#### The VAPOR is all new designed by Peter Munzlinger, Gaastra's new designer... any news?

**Peter:** I'm happy to already have found such great success with this sail. Having the accessibility to the latest and greatest materials combined with a great production facility make this job a dream! It has been a team effort together with Arnon and Alberto and we are just beginning. My focus has always been on creating fast sails and I will continue doing this year round!

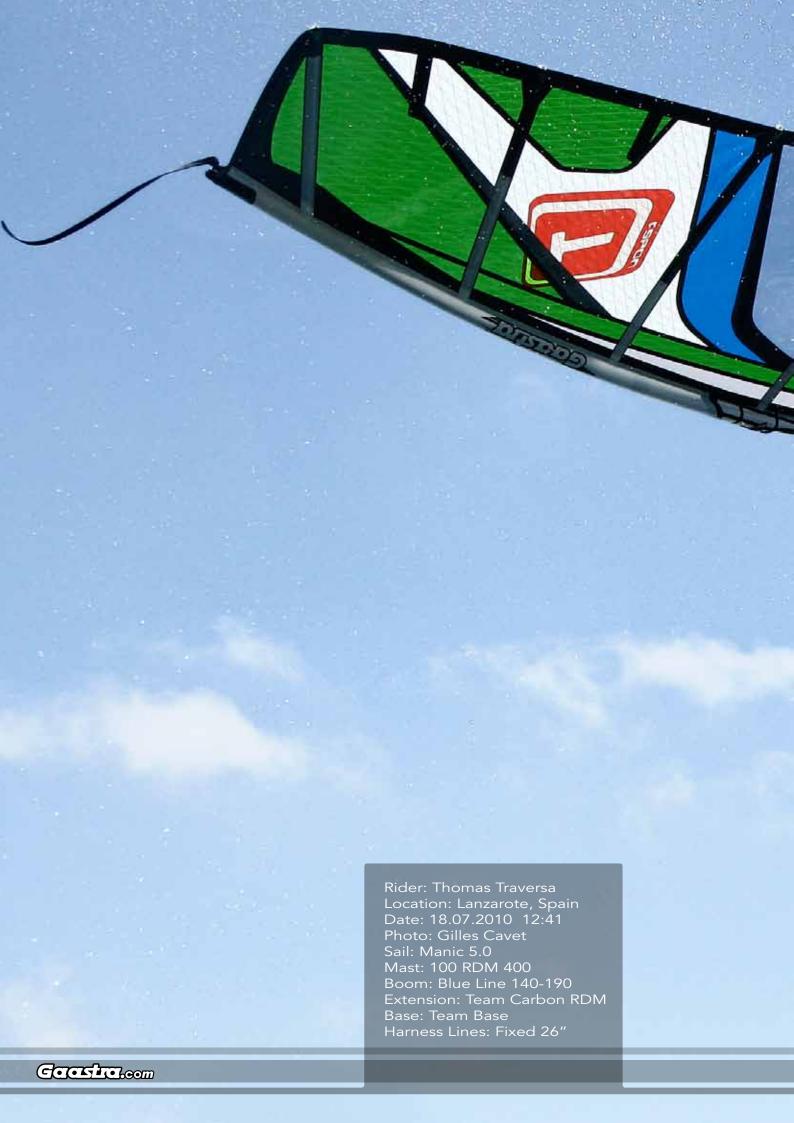
The whole team is responsible for the Vapor development, with each adding a big chunk of ideas and feedback into the mix. Ross brings Formula championships and top rankings in Slalom. Kevin's been the champ before, and Cedric has the determination to make his mark.

In the end, it's feedback, development, work... We follow our passion, and the customers reap the benefits.

#### Where and how, and with whom do you test the slalom sails?

**R&D:** Maui, Sardinia, Marseille, Germany, Argentina, and every single stop on the PWA tour. The development is an endless process, and an endless commitment. It's our job, and we love it.





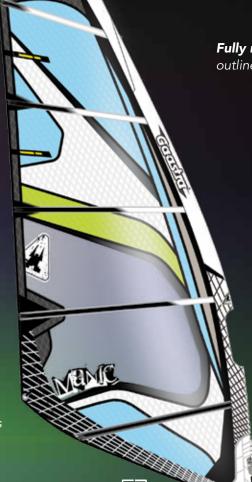






**More torque //** for multifin boards

New G10 mini battens



**Fully new design** // completely fresh outline

**Shorter luff //** with dacron panel

Soft, elastic and alive

**Low clew** // for real bottom turns





#### RE - INVENTED.

This years Manic sees a complete new design outlook. The luff has been shortened and has a wider head to compensate for this. The Manic borrows design ideas from the IQ while retaining all its successful features from the past, creating a sail that is perfect for any rider.

#### R&D:

We had to step up the Manic's design for this year. We went to the drawing board and came up with a morph of the IQ and the Manic... we combined the two and have what I would consider the perfect balance!

The all new design features the same quality you would always demand from the Manic. The Dacron Luff Panel provides a soft responsive and elastic drive. The shape stays locked forward so you are always in control. Flat profiles and the perfect twist make the sail ultra smooth and fun to ride. You can turn it on or off instantly. The Manic holds true to its roots- A sail that you can rely on in any condition.

#### **Kevin Pritchard:**

"I'm stoked on the new Manic. It has that new feeling I am looking for- it is more compact so I can smack the lip harder and let loose! It really compliments my quad fin boards and makes me feel like I'm riding a smaller sail with just as much power."

#### **Bottom line:**

The Manic delivers greatness to any condition. It will perform in strong winds, light winds, choppy waters, smooth water or whatever you can throw at it. It is a great high wind sail for riders looking for perfect harmony in their rigs. No matter what level of sailor you are, you can't go wrong with the Manic!"

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
3.3	2.9	370	17	341	141	0	4	Vario	0	Gaastra 75 RDM
3.7	3.1	370	17	362	146	0	4	Vario	0	Gaastra 75 RDM
4.0	3.2	370	17	374	151	6	4	Vario	0	Gaastra 75 RDM
4.2	3.5	370	17	383	157	15	5	Vario	0	Gaastra 75 RDM
4.5	3.6	370	17	396	161	28	5	Vario	0	Gaastra 75 RDM
4.7	3.7	400	19	405	163	7	5	Fixed	0	Gaastra 100 RDM
5.0	3.8	400	19	412	167	14	5	Fixed	0	Gaastra 100 RDM
5.3	3.9	400	19	423	173	25	5	Fixed	0	Gaastra 100 RDM
5.7	4.1	430	21	439	181	11	5	Fixed	0	Gaastra 100 RDM

Current specs! pls check the website for the latest specs available.





**More torque //** for multifin boards

New G10 mini battens

X-Ply window // for increased durability

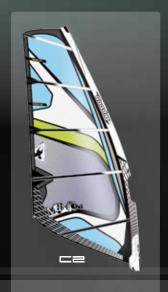
**Low clew** // for real bottom turns



**Fully new design** // completely fresh outline

**Shorter luff //** with dacron panel

Soft, elastic and alive





#### ROCK STAR.

The Manic HD steps into the limelight with a completely new designed outline. Built to withstand heavy impacts from reefs, rocks, roads and rugged coastlines the HD is hungry for whatever you feed it. The luff has been shortened and has a wider head to compensate for this. The Manic HD borrows design ideas from the IQ while retaining all its successful features from the past, creating a sail that is perfect for any rider.

#### R&D:

This is one tough sail. We have all the same undercover reinforcements as the Manic and we take it to the ultimate level with an all- X ply window... No more excuses for not hitting that lip!

The all new design features the same quality you would always demand from the Manic. A full body X ply grid keeps everything held together under extreme load. The Dacron Luff Panel provides a soft responsive and elastic drive. The shape stays locked forward so you are always in control. Flat profiles and the perfect twist make the sail ultra smooth and fun to ride. You can turn it on or off instantly. The Manic HD is built to last-

#### **Ross Williams:**

"I pretty much go for broke on any wave I catch. If I end up on the rocks I just hope my gear is still in one piece and I can get right back out there. The HD Manic keeps me going strong- When I do break everything, it was a pretty good wipeout!"

#### **Bottom line:**

"The Manic HD is strong and built to last whatever you throw at it. It is the same design as the Manic just with an all X ply construction. Bomb proof!

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
3.3	2.9	370	17	341	141	0	4	Vario	0	Gaastra 75 RDM
3.7	3.1	370	17	362	146	0	4	Vario	0	Gaastra 75 RDM
4.0	3.2	370	17	374	151	6	4	Vario	0	Gaastra 75 RDM
4.2	3.5	370	17	383	157	15	5	Vario	0	Gaastra 75 RDM
4.5	3.6	370	17	396	161	28	5	Vario	0	Gaastra 75 RDM
4.7	3.7	400	19	405	163	7	5	Fixed	0	Gaastra 100 RDM
5.0	3.8	400	19	412	167	14	5	Fixed	0	Gaastra 100 RDM
5.3	3.9	400	19	423	173	25	5	Fixed	0	Gaastra 100 RDM
5.7	4.1	430	21	439	181	11	5	Fixed	0	Gaastra 100 RDM





Real world wavesail

**Fully new design** // completely fresh outline

New G10 mini battens

X-Ply luff panel // locks in shape

**Higher clew** // better suited for bigger guys



Handles onshore conditions and bump & jump





#### POWER UP.

The Poison remains our powerhouse people mover. Get up and go with built in power generated from enhanced seem shaping combined with our twinstripe X ply luff panel. A longer boom length and a new outline put the Poison in a league of it's own. A perfect combination of Power and control that keeps you moving in light and gusty winds.

For this years Poison we changed the outline up to get a more efficient flow through the wind. The seam shaping has increased a taste to deliver more power that is controlled with the new outline. The luff curve has been adjusted to provide more rig tension and a better twist flow.

The Poison delivers power with its longer boom length and loaded seem shape. The twinstripe X ply luff panel keeps a steady feel to the rig. A higher clew height gives a firmer leach that keeps power in your hands.

Arnon Dagan:
"When I sail in light winds and I need power to get moving in the onshore conditions." The Poison gives me what I am looking for and more!"

#### **Bottom line:**

"The Poison will perform in just about any condition. It is great for the 'big guys' wave sail. Power to move, stability in the high winds. More backhanded power as compared to Manic and IQ. Makes for a great bump and jump sail for lakes, rivers or other places when the wind is less consistent.

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
4.0	3.3	370	17	378	151	10	5	Vario	0	Gaastra 75 RDM
4.2	3.5	370	17	388	157	20	5	Vario	0	Gaastra 75 RDM
4.5	3.6	400	19	403	160	5	5	Fixed	0	Gaastra 100 RDM
4.7	3.7	400	19	412	165	14	5	Fixed	0	Gaastra 100 RDM
5.0	3.8	400	19	418	167	20	5	Fixed	0	Gaastra 100 RDM
5.4	3.9	400	19	425	174	27	5	Fixed	0	Gaastra 100 RDM
5.8	4.2	430	21	444	178	16	5	Fixed	0	Gaastra 100 RDM
6.2	4.4	430	21	455	190	27	5	Fixed	0	Gaastra 100 RDM









Instant response //
ultimate ON / OFF control

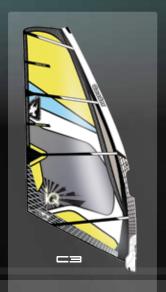
**Four battens** // reduced weight and powerful but forgiving character

**Triangulated load bearing panel layout //**Gives the most strength to weight ratio

**Optimized view windows //** for improved visibility

**Low aspect** // Most aggressive in wave & freestyle

**Short luff lenght** // for more control





#### **NEW SCHOOL RAGE!**

The latest and greatest signature sail model from Thomas Traversa is alive and kicking! This short-luff, compact sail provides quick acceleration with ultra maneuverability! It is soft in the hands and powerful in the light winds... A sail that will do whatever it is told!

#### R&D:

This sail is the all round wave sailor and freestyler bump and jumpers choice of champions. One sail that can do it all - the longer boom gives power to plane, the lightweight set up gives ultimate control and makes transitions effortless.

The 4 batten skeleton reduces weight while generating power. It has a forgiving character that delivers instant on/off response offering great control. The Low aspect ratio is perfect for wave and freestyle sailors. The window shape is optimized for viewing the wave so you can see exactly where you need to go. A triangulated load bearing panel gives an unmatched strength to weight ratio.

#### **Thomas Traversa:**

"What can I say.... this is the sail I have always wanted. I can put it wherever I want-I can turn tighter, hit the lip harder and spin easier. I love it!"

#### **Bottom line:**

A radical do it all sail- works great for wave and freestyle applications. A progressive rig that will not let you down. This durable construction will take abuse and keep you going strong. The new-school design will take your sailing to the next level!

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
3.6	3.0	370	17	354	144	0	4	Vario	0	Gaastra 75 RDM
4.0	3.1	370	17	371	151	0	4	Vario	0	Gaastra 75 RDM
4.2	3.3	370	17	377	156	9	4	Vario	0	Gaastra 75 RDM
4.5	3.4	370	17	390	162	22	4	Vario	0	Gaastra 75 RDM
4.7	3.5	370	17	396	166	28	4	Vario	0	Gaastra 75 RDM
5.0	3.6	400	19	406	172	8	4	Fixed	0	Gaastra 100 RDM
5.3	3.9	400	19	417	178	19	5	Fixed	0	Gaastra 100 RDM
5.7	4.0	430	21	436	183	8	5	Fixed	0	Gaastra 100 RDM
6.1	4.2	430	21	447	188	19	5	Fixed	0	Gaastra 100 RDM
6.6	4.4	430	21	457	196	29	5	Fixed	0	Gaastra 100 RDM









Based on our very successful Remedy

**Fully new design** // completely fresh outline

New G10 mini battens

More sails on less masts

**More compact outline** // with shorter luff lengths

Slightly fuller low body profiles

Increased low end potential





#### REMEDY REMAKE.

The all New CROSS is derived from the ever-popular Remedy range... It achieves the same performance as the Remedy while reducing luff lengths and continuing to generate speed, power and control. A perfect freeride design.

#### R&D:

"The Cross is a fun sail to ride. It is easy to rig, has top end speed and stability and with the new wider head and shortened luff it feels more alive."

Refined profiles along with a wider head give quick acceleration and stableness in both gusts and lulls! The 6 batten skeleton offers great top end speed and control. Composition tube battens keep the draft locked and loaded. The higher foot cutout makes jibing FUN and waterstarting much easier.

#### **Ross Williams:**

"I love riding the Cross on those days when it is flat and I want to just cruise around. I can duck jibe it, do some freestyle tricks and pass a lot of guys sailing full cambered sails! The Cross is one sail that I could take anywhere and have plenty of fun with in any condition!"

#### **Bottom line:**

The Cross is one of those sails that can handle anything. No matter if you are a beginner or advanced expert, the sail delivers everything you need. Going fast or dabbling in some small waves, the Cross will save the day!

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
4.8	3.7	400	19	407	169	9	6	Vario	0	Gaastra 75 RDM
5.2	3.9	400	19	421	172	23	6	Vario	0	Gaastra 75 RDM
5.6	4.1	430	21	436	178	8	6	Fixed	0	Gaastra 75 RDM
6.0	4.2	430	21	446	187	18	6	Fixed	0	Gaastra 75 RDM
6.4	4.4	430	21	458	196	30	6	Fixed	0	Gaastra 75 SDM (RDM)
6.9	4.6	460	25	467	208	9	6	Fixed	0	Gaastra 75 SDM (RDM)
7.4	4.8	460	25	478	218	20	6	Fixed	0	Gaastra 75 SDM (RDM)





**Fully new design** // completely fresh outline

Ultimate in mast compatibility



Double luff panels

**Luff curve design** // with forgiveness in mind

**Pricepoint** // but with many features from our top-end sails





#### TAKE YOUR WINDSURFING TO A NEW LEVEL.

A versatile freeride sail that is ready for action! Novice sailors can cruise around in the lightest breezes on this lightweight and efficient sail. The Pilot is also one of the best intermediate freeride sails on the market. It utilizes design features from the Matrix, Poison, and Remedy. Then combines them into an easy handling, easy to rig power house.

#### R&D:

"This sail has a lot of cool components that make it super easy and fun to sail. We have a good rig here in an excellent value for money package. The Pilot is very affordable for novice and intermediate sailor to get out on the water with latest design!"

A great sail for novice windsurfer that doesn't want a sail they will soon grow out of.. This sail is light, perfect for learning waterstarts, gybing and it will get you planing fast! Rigging is a breeze- Freeride speed and excitement will put a smile on your face!

#### **Ross Williams:**

"The ultimate rig for teaching my girlfriend the next steps of our exiting sport - She loves the Pilot... It is a an uncomplicated performer that makes windsurfing fun!"

#### **Bottom line:**

The Pilot is a great sail for everyone who loves having fun and advancing in their ability. It has a versatile design that is time tested and proven. Nice and light in your hands, it will make your windsurfing experience better every time you use it!

SIZE	KG	MAST	IMCS	LUFF	BOOM	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
4.5	3.3	400	19	403	158	5	4	Vario	0	Gaastra 30 SDM
5.0	3.5	400	19	418	168	20	4	Vario	0	Gaastra 30 SDM
5.5	3.9	430	21	436	179	8	5	Vario	0	Gaastra 30 SDM
6.0	4.2	430	21	450	187	22	5	Vario	0	Gaastra 30 SDM
6.5	4.3	430	21	457	198	29	5	Fixed	0	Gaastra 30 SDM
7.0	4.5	460	25	471	209	13	5	Fixed	0	Gaastra 30 SDM
7.5	4.7	460	25	487	221	29	5	Fixed	0	Gaastra 30 SDM





**Improved twist flow** // for better overall performance

**Fully redesigned** // fully updated outline

New G10 mini battens

Shorter luff lengths

Increased low body shaping



**Retuned** // to perfect fit the latest Gaastra masts





#### FREEDOM TO FLY.

The pinnacle of freeride sails the ever-popular Matrix boasts some great new looks and maintains perfect performance. A no cam freeride sail that has top end speed and control without sacrificing planing power! Hook in and Hang on...

"We spend a lot of time on this sail making sure it is just right- we want a rig that has early planing characteristics that can go fast!"

Precise profiles and with a wider head give quick acceleration and stableness in both gusts and lulls! A 6 batten configuration offers great top end speed and control. Composition tube battens keep the draft locked. The low foot cutout increases speed and enables you to close the gap for fast runs!

Arnon Dagan:
"Simply brilliant- I have had some speed runs on this sail and am impressed with how stable it is! The R&D team has done a great job to get a freeride sail to go this fast!"

#### **Bottom line:**

If easy rigging and blasting back and forth is what you like to do, you will be impressed with the Matrix. A no-cam sail that has speed to burn! Fun with function make this one of our most popular sails!

SIZE	KG	MAST	IMCS	LUFF	BOOM	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
5.5	4.1	430	21	434	176	6	6	Fixed	0	Gaastra 75 (55) SDM
6.0	4.3	430	21	445	185	17	6	Fixed	0	Gaastra 75 (55) SDM
6.5	4.5	430	21	455	195	27	6	Fixed	0	Gaastra 75 (55) SDM
7.0	4.7	460	25	470	207	12	6	Fixed	0	Gaastra 75 (55) SDM
7.5	4.9	460	25	483	214	25	6	Fixed	0	Gaastra 75 (55) SDM
8.0	5.2	490	29	497	221	9	6	Fixed	0	Gaastra 75 (55) SDM
8.5	5.4	490	29	511	226	23	6	Fixed	0	Gaastra 75 (55) SDM

Current specs! pls check the website for the latest specs available







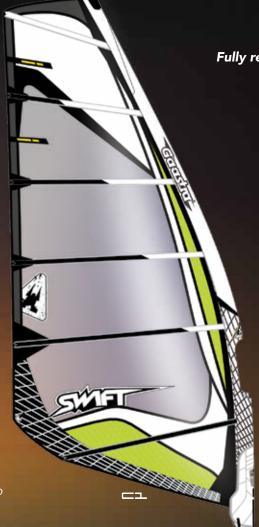


**Improved twist flow** // brings twist lower, with slightly more grip in the top third

New G10 mini battens

**No hassle** // all around performance

**Drop tack** // with tension strap



Fully redesigned // updated outline

Shorter luff lengths

**Retuned** // to perfect fit the latest Gaastra masts

**Twin cam stability** // features the new Gaastra small cam





#### SWEETNESS.

The newly designed twin cam recreational sail stands out with all new features. A magazine test winner, the Swift is ready for flat out fun anytime in any condition!

#### R&D:

"We worked hard to deliver a twin cam sail that has plenty of power and stability. We have repositioned the shape to lock in more forward keeping the sail accelerating in gusts. Less drag means more speed!"

This 2 cam freeride sail locks in the draft and sets a new boundary for a twin cam rig. A six batten skeleton is used for sizes 6.0 and up while a 5 batten setup is used from 5.5 and down. Gaastra's signature triangulated load bearing panels ensure ultimate strength to weight ratio.

#### **Kevin Pritchard:**

"For a twin cam sail, I could go pretty fast on the Swift. It was easy in my hands and had a steady pull to get me going- It was light and fun to ride!"

#### **Bottom line:**

If you want a cam sail that is light and tight, the Swift is your answer. With 2 cams you get good top end stability and will be able to keep the sail locked and loaded through the lulls. An easy to use cam sail that is a great step from a RAF rig towards a more race like rig.

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
4.5	3.9	400	19	402	157	4	5	Vario	2	Gaastra 75 (55) SDM
5.0	4.1	400	19	418	168	20	5	Vario	2	Gaastra 75 (55) SDM
5.5	4.2	430	21	434	178	6	5	Fixed	2	Gaastra 75 (55) SDM
6.0	4.5	430	21	447	188	19	6	Fixed	2	Gaastra 75 (55) SDM
6.5	4.7	430	21	455	197	27	6	Fixed	2	Gaastra 75 (55) SDM
7.0	5.0	460	25	470	207	12	6	Fixed	2	Gaastra 75 (55) SDM
7.5	5.2	460	25	484	218	26	6	Fixed	2	Gaastra 75 (55) SDM
8.3	5.4	490	29	499	228	11	6	Fixed	2	Gaastra 75 (55) SDM
9.0	5.7	490	29	514	247	26	6	Fixed	2	Gaastra 75 (55) SDM





New G10 mini battens

Modern low aspect

**Inset Clew System**// for more control and higher performance

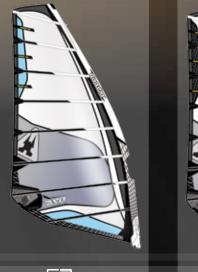
**Drop tack** // with tension strap

Blistering top end performance

New sail line for 2011

Tuned race batten skeleton

Full race performance // rivalling that of a cam sail





#### BEAUTIFUL BEAST.

The all new no- cam race sail that delivers top of the line Vapor like performance combined with Matrix like rigging. The merge of two sail types into one! A fire breathing weapon that will smoke any RAF sail that gets close!

#### R&D:

"This particular sail has been on our list of things we wanted to make... and here it is. A sail that can rig easily and perform with the other guys on cambered sails."

An 8 batten skeleton combined with the inset clew deliver stellar performance. A revolutionary concept built to annihilate all challengers.

#### **Ross Williams:**

"If there was a PWA discipline requiring no- cam sails this baby would be the bomb! I was impressed with the speed and handling!"

#### **Bottom line:**

For those that want race like performance without the hassle of cams, this is the easy choice. You could think of this sail as the RAF Vapor.

#### **INSET CLEW Details:**

The **Inset Clew** shortens the boom, provides effortless acceleration, and higher performance in disturbed wind and choppy conditions. The **Inset Clew** provides automatic depower control in puffs, by allowing the battens to twist open behind the boom. Normally, in a gust the center of effort moves backward and the





draft increases making the sail feel backhanded, and unwieldy. This invention stabilizes the draft depth and holds the center of effort forward keeping the power in your hands where it belongs.

Unlike competitors, the Gaastra **Inset Clew** repositions the boom and **center of effort** without compromising the outline. This allows the battens above and below the boom to react to the automatic depower this feature provides. Keeping the area beneath the back of the boom prevents us from needing to put that area somewhere else. Furthermore, this helps maintain a low and easily controlled **center of effort**. A protective silica bead around the inside of the opening and a maintenance free mini-batten beneath it guarantee smooth shape and infinite longevity.

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
6.2	4.9	430	21	442	175	14	7	Fixed	0	Gaastra 75 (55) SDM
6.7	5.1	430	21	457	186	29	7	Fixed	0	Gaastra 75 (55) SDM
7.2	5.3	460	25	472	195	14	7	Fixed	0	Gaastra 75 (55) SDM
7.7	5.7	460	25	483	206	25	8	Fixed	0	Gaastra 75 (55) SDM
8.2	6.2	490	29	492	214	4	8	Fixed	0	Gaastra 75 (55) SDM
8.7	6.4	490	29	502	226	14	8	Fixed	0	Gaastra 75 (55) SDM
9.2	6.6	490	29	511	234	23	8	Fixed	0	Gaastra 75 (55) SDM









Fully redesigned

New G10 mini battens

Race batten specifications

**Inset Clew System**// for more control and higher performance

Drop tack

**New sock top design** // for proper loading and reactive head

New modern low aspect

Wide sock design

New KI05 aramid sock material

**Triple cam stability** // using the new Gaastra large cams

Updated tack fairing



### LEADER OF THE PACK.

The GTXrace for 2011 sets a new precedence for a 3 cam race sail. Complete with the unique Gaastra Inset Clew design, this race horse keeps you moving at top speed all the time. The GTXrace will give the Vapor a run for its money.

#### R&D:

"We just keep learning when developing the Vapors and the GTXrace always benefits. This market sector is getting bigger and bigger and we are confident this design for 2011 will be hard to beat!"

The semi-wide sock technology and 3 cam set up make the GTXrace light and nimble. It will jump on a plane and get up to speed with lightning quickness. Sizes 7.0 and down have a 7 batten configuration while the 7.5 and up have an 8 batten configuration. This gives the sail the ideal proportions and gives more life to each size!

Arnon Dagan:
"Smokin fast- If I wasn't racing on the world tour, the GTX would be good enough for me. I love the weight and feeling of the rig- it is almost good enough for me to spritz the world champion!"

#### **Bottom line:**

A perfect slalom racing machine that gives anyone wanting to go fast the perfect opportunity. Suits recreational racers looking for easier operation than that of a full bred racing sail.

Please find more *Inset Clew System* details in the SAVAGE description!

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
5.5	5.2	400	19	411	168	13	7	Fixed	3	Gaastra 100 (75) SDM
6.0	5.3	400	19	427	176	29	7	Fixed	3	Gaastra 100 (75) SDM
6.5	5.4	430	21	440	187	12	7	Fixed	3	Gaastra 100 (75) SDM
7.0	5.8	430	21	455	198	27	7	Fixed	3	Gaastra 100 (75) SDM
7.5	6.3	460	25	467	208	9	8	Fixed	3	Gaastra 100 (75) SDM
8.0	6.5	460	25	481	216	23	8	Fixed	3	Gaastra 100 (75) SDM
8.5	6.9	490	29	495	217	7	8	Fixed	3	Gaastra 100 (75) SDM
9.0	7.1	490	29	502	228	14	8	Fixed	3	Gaastra 100 (75) SDM
9.8	7.4	520	34	523	243	5	8	Fixed	3	Gaastra 100 (75) SDM

## VAJOU



Fully redesigned

**New sizeflow** // Slalom & Formula Sizes

Race batten specifications

**Dynamic twist** // leech tension matches perfectly the Gaastra masts

**Inset Clew System** // for more control and higher performance

**Real world race sail** // power, acceleration, windrange and easy to pump

Compact outline

New KI05 aramid sock material // with kevlar threads

Super wide sock design

**New camber technology** // providing fantastic performance

Drop tack







Standard Edition

Pro Team Edition

 Lenght
 Width
 Volume

 230 cm
 100.5 cm
 156 l

Box Tuttle Deep Weight 9.35 kg

8.80 kg



### THE ULTIMATE EDGE!

Get ready to feast your eyes on the all-new Race Weapon from Gaastra's new designer, Peter Munzlinger. "We set out on a big mission to get the Vapor's to a new level of performance- Over the past month, our test team of Arnon Dagan and Alberto Menegatti have been hammering away on the water and progressing the sails like I have never seen!" says Peter.

This latest creation sees a dramatic improvement over anything that has come out of the Vapor range so far. A lower aspect ratio setup gives a slightly longer boom length that promotes instant acceleration. This new design makes a more flexible rig that keeps you moving faster and faster through heavy waters. New Cambers together with new shaping characteristics combined with the revolutionary Inset Clew make this new sail à Fire Breather!

**Technique:** 

The main features of the sails are a dynamic twist given by the tension of the leech that matches perfectly the bending curve of the Gaastra masts.

The New Large Cambers keep the sail shape locked into position without compromise. Rotation is effortless and will continue to be the leader in cam sail rotation.

New SAS (shock absorption system) has been specifically developed to absorb chop at top speed. With our new K 105 Aramid Sock Material, we are able to control the flex characteristics of the top part of the sail. This "bird like" feature lets the gust hit and the material flexes keeping you in control. In bumpy conditions, this allows the rider to move faster forward without getting pulled around having to adjust to the water conditions.

Arnon Dagan:
"I have tried a lot of sails and spent hours upon hours of research and development on racing sails. These new designs are incredible!!! I can't wait to get on the race course in 2011!"

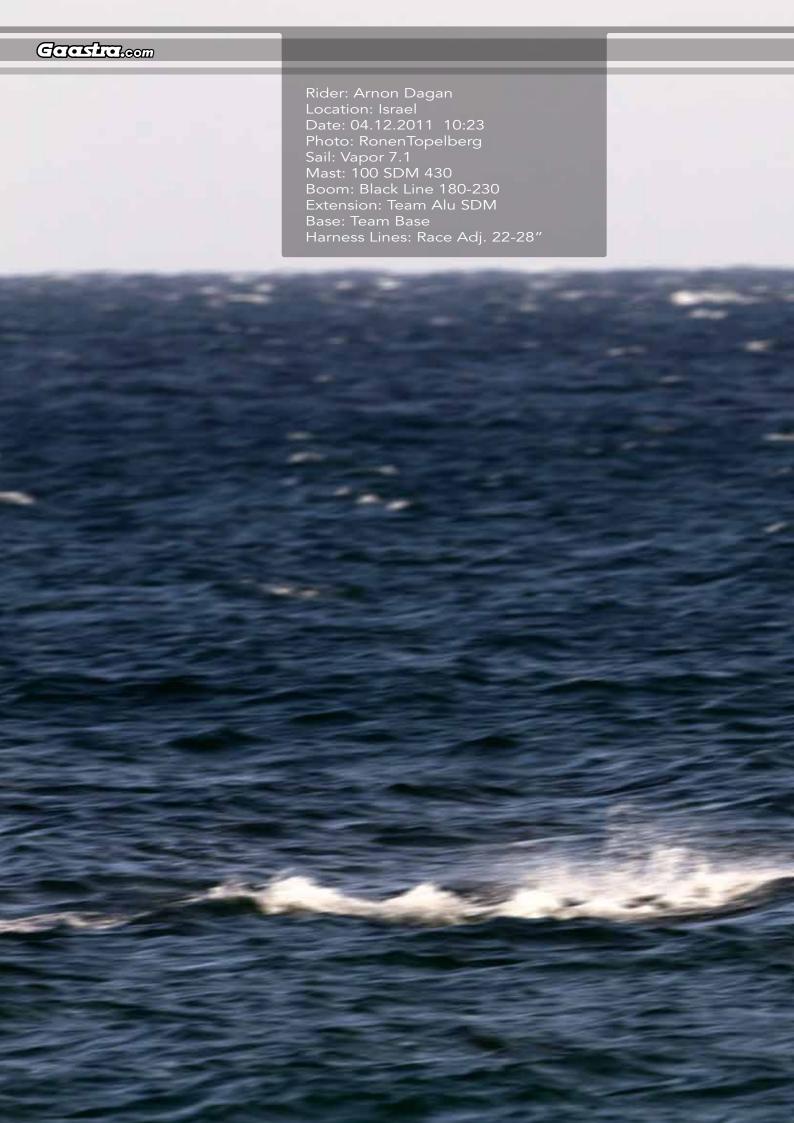
#### **Bottom line:**

An all out equipped race bred machine that is prepared to deliver podium performance. No compromises have been made to this range. There is only one way to see what the all new Vapor can do: Get on one as soon as you can and lead the pack!

Please find more Inset Clew System details in the SAVAGE description!

SIZE	KG	MAST	IMCS	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
5.2	5.2	400	19	407	164	9	7	Fixed	4	Gaastra 100 RDM
5.7	5.7	400	19	417	175	19	8	Fixed	4	Gaastra 100 RDM
6.4	6.7	430	21	438	185	10	8	Fixed	4	Gaastra 100 SDM
7.1	6.9	430	21	456	202	28	8	Fixed	4	Gaastra 100 SDM
7.9	7.3	460	25	478	210	20	8	Fixed	4	Gaastra 100 SDM
8.6	7.5	490	29	492	221	4	8	Fixed	4	Gaastra 100 SDM
9.5	7.6	490	29	506	238	18	8	Fixed	4	Gaastra 100 SDM
10.0*	7.8	520	34	528	247	10	8	Fixed	4	Gaastra 100 SDM
11.0*	8.3	550	37	554	259	6	8	Fixed	4	Gaastra 100 SDM
12.0*	9.1	550	37	574	273	26	8	Fixed	4	Gaastra 100 SDM

ormula Sizes. Compatible with other masts that are equal in length and IMCS, including standard c





### MAVERICK

### KID POWER.

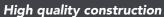
This years Maverick has all the goods- a proven shape that has taught kids how to rip and slash. Light and easy in the hands power delivery is smooth and steady so junior can get moving on his own terms! The revolutionary graphics guarantee your little one to look the part- Easy to rig, fun to ride!

Built to withstand abuse from your little one- these sails are put together with the same attention to detail as our wave range. High quality materials make this one of the best little man sails on the market!

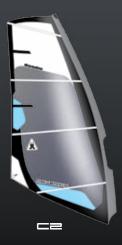
#### **Bottom line:**

If you want to get your kid stoked on windsurfing, get him on the Maverick! Stylish looks and a perfect design will have him giving you a run for your money!

Ultimate kids rig









SIZE	KG	MAST	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
2.2	1.7	300	275	116		3	Vario	0	Gaastra Maverick
2.5	1.8	300	287	120		3	Vario	0	Gaastra Maverick
3.0	2.2	300	323	138		3	Vario	0	Gaastra Maverick
3.5	2.4	300	323	147		3	Vario	0	Gaastra Maverick
4.0	2.6	300	335	162		3	Vario	0	Gaastra Maverick

Compatible with other masts that are equal in length and IMCS, including standard diameter masts. Current specs! pls check the website for the latest specs available.

MAVERIER

EREETIME

### **BEGINNER BLISS.**

This is the ultimate resort and school sail. Perfect for first timers wanting to get out and go! Stability and forgiveness make this sail easy in the hands giving precise balance and control to the rider. A Reduced Luff Length and a light carbon mast give the Freetime a unique feeling that makes life easy for the beginner!

This range is broken down into several categories-From sizes 2.5 and down there is 1 batten. The 3.0 has 2 battens and the 4.0 and up have 4 battens. The largest size is a 6.5.

#### **Bottom line:**

You can't find a better sail for teaching beginners how to windsurf. Simplicity and performance are built in to this teaching tool that every shop should have!



Tried and true design

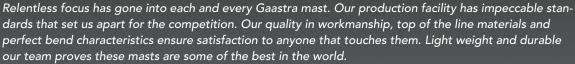




SIZE	KG	MAST	LUFF	воом	BASE	BATTEN	HEAD/TOP	CAMS	RECOM. MAST
1.0	ТВА	300	166	102		1	Vario	0	Gaastra Maverick
1.5	TBA	300	200	120		1	Vario	0	Gaastra Maverick
2.0	TBA	300	223	121		1	Vario	0	Gaastra Maverick
2.5	TBA	300	246	137		1	Vario	0	Gaastra Maverick
3.0	ТВА	300	287	154		2	Vario	0	Gaastra Maverick
3.5	1.9	400	312	157		3	Vario	0	Gaastra 15 SDM
4.0	2.0	400	338	160		3	Vario	0	Gaastra 15 SDM
4.5	2.8	400	373	169		3	Vario	0	Gaastra 15 SDM
5.0	2.9	430	404	176		4	Vario	0	Gaastra 15 SDM
5.5	ТВА	430	420	185		4	Vario	0	Gaastra 15 SDM
6.0	TBA	430	440	193		4	Vario	0	Gaastra 15 SDM
6.5	TBA	460	464	200		4	Vario	0	Gaastra 15 SDM

Compatible with other masts that are equal in length and IMCS, including standard diameter masts. Current specs! pls check the website for the latest specs available.

### Gaastra 2011 Rig System











### Gaastra 100 50m

The Champions Choice for a no compromise state of the art Racing Weapon. Purpose built to generate instant response and uncompromised performance. Acceleration and reflex timing are unmatched. Combine all this with top of the line materials and you have one of the best masts on the water.

Size	IMCS	Weight	Carbon	Surface	Bag
430	21	1.75	100%	IPS*	yes
460	25	1.85	100%	IPS*	yes
490	29	1.85	100%	IPS*	yes
520	34	2.15	100%	IPS*	yes
550	37	2.40	100%	IPS*	yes







Size	IMCS	Weight	Carbon	Surface	Bag
400	19	1.35	100%	IPS*	yes
430	21	1.65	100%	IPS*	yes
460	25	1.80	100%	IPS*	ves

## Gaastra 100 Rom

The 100% carbon RDM is impressive to say the least. Strength to weight ratio is superior to the competition! The bend characteristics enhance not only the Gaastra branded sails but many other brands as well. You can easily feel the instant power and dynamic flex characteristics this mast offers. When overpowered, the harmonic twist allows you to keep accelerating under control.





#### COOKING اسالصالصا

The Gaastra 75 SDM will deliver Formula performance and Freeride superiority without the expense of 100% carbon. Produced with the same technology as the Gaastra 100, just a little less Carbon. Bend characteristics come from the 100% Race mast- A soft and supple spar that will keep you satisfied! The ultimate combination; targeted for high performance sailors on a budget.

Size	IMCS	Weight	Carbon	Surface	Bag
400	19	1.75	75%	IPS*	yes
430	21	1.95	75%	IPS*	yes
460	25	2.05	75%	IPS*	yes
490	29	2.20	75%	IPS*	yes
520	34	2.70	75%	IPS*	yes
550	37	2.80	75%	IPS*	yes







Size	IMCS	Weight	Carbon	Surface	Bag
370	17	1.80	75%	IPS*	yes
400	19	1.70	75%	IPS*	yes
430	21	2.15	75%	IPS*	yes
460	25	2.35	75%	IPS*	yes



Performance wave sailors will love this mast. The bend characteristics are the same as the 100 RDM and the mast is strong and alive. Freeriders will appreciate the flex characteristics that will handle just about any condition. Supreme durability makes this mast a great choice for all riders.



Weight Carbon 340 60% 60% 400 19 1.95 60% 25 2.55 no

Granic Son Commercial Gaastra == == ==

RDM is the future- Gaastra is proud to have this mast available to get entry-level sailors into the RDM game. Built with the latest pre-preg technologies, the 60% carbon will get you on the water in style.



### Gaasta ==

This entry level Carbon mast puts performance on the map! Gaastra IMCS numbers derived from our high end masts make this mast a great choice for the entry level freerider. A performance oriented mast with a price conscious feature.

Size	IMCS	Weight	Carbon	Вад
400	19	2.00	55%	no
430	21	2.15	55%	no
460	25	2.40	55%	no
490	29	2.70	55%	no

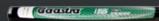


Size	IMCS	Weight	Carbon	Bag
370	17	1.60	30%	no
400	19	1.95	30%	no
430	21	2.20	30%	no
460	25	2.80	30%	no
490	29	2.85	30%	no



## Gaastra ==

Beginners and intermediates will appreciate the slightly reduced diameter making sails easier to rig. Increased wall thickness gives optimum durability that will stand the test of time.



## Gaastra 15 50m

Resort ready- great for schools and first timers.

Size	IMCS	Weight	Carbon	Bag
400	19	2.25	15%	no
430	21	2.75	15%	no
460	25	3.10	15%	no



The future ripper's mast of choice! Light weight performance and durability give junior the time of his life on the water.

Size	Weight	Carbon	Вад
300	1.90	30%	no
340	TBA	TBA	no



\* IPS - The Invisible Polyamid Shield is a mast shielding device.

An invisible barrier from a patented "Prepreg Force Tank" takes durability and light weight to a new standard. The mast is sealed with a polyamid surface coating making the mast 100% scratch and dent resistant. The strength of these new "Gold & Silver series" masts has been tested at 45% stronger than our previous models. After continuous abuse, the masts look new, stay strong and perform without compromise.

Gaasta -



### **BLUE LINE: Monocoque Tapered Carbon**

When you can accept nothing less than the best, get the latest and greatest from Gaastra. The All new Blue Line of carbon booms proves to be 40% stiffer than any aluminum boom out there. A special grip is added to ensure comfort and control. The new boom head provides a tight connection to the mast while a double pushpin operating system guarantees strength and durability. Different bends for each size range make this boom the ultimate performer.

Size	Diameter	Weight	Material
140 - 190	26 mm	TBA	100% Carbon
160 - 210	26/29 mm	TBA	100% Carbon
180 - 230	26/29 mm	TBA	100% Carbon
220 - 270	26/29 mm	TBA	100% Carbon
260 - 310	31 mm	TBA	100% Carbon



### **BLACK LINE: Monocoque Tapered**

Get a stiffer one-piece aluminum boom right here- the Black line is uniquely tapered to provide extra stiffness in the back section of the boom. Tests indicate it to be 20% stiffer than the Green line! The new boom head provides a tight connection to the mast while a double pushpin operating system guarantees strength and durability. Different bends for each size range make this boom a perfect compromise to carbon performance.

Size	Diameter	Weight	Material
140 - 190	26/29 mm	TBA	Alloy T8
	26/29 mm	TBA	Alloy T8
	26/29 mm	TBA	Alloy T8
200 - 250	26/29 mm	TBA	Alloy T8



### **GREEN LINE: Monocoque**

The latest in monocoque technology is right here. The Mono Green Line has different shapes for each length. The longer the boom, the wider the bend and vice versa. The new boom head provides a tight connection to the mast while a double pushpin operating system guarantees strength and durability.

Size	Diameter	Weight	Material
140 - 190	29 mm	TBA	Alloy T8
160 - 210		TBA	Alloy T8
180 - 230		TBA	Alloy T8



### **RED LINE**

The Red Line takes all of the features from our current booms and brings them to new life with an all-new look. These booms are easily adjustable and deliver quality at a fair price.

Size	Diameter	Weight	Material
140 - 190	29 mm	TBA	Alloy T6
160 - 210	_ , , , , , , , , , , , , , , , , , , ,	TBA	Alloy T6
180 - 230		TBA	Alloy T6



### **MAVERICK**

Kid developed/kid approved. The Maverick kids boom is highly adjustable, light and works perfectly for junior.

Size	Diameter	Weight	Material
120 - 170	25 mm	TBA	Alloy T6

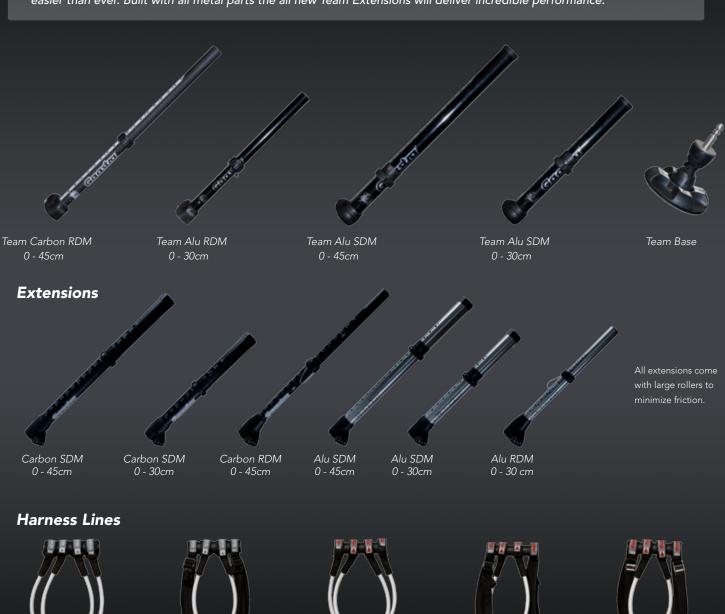






#### **Team Extensions**

The Gaastra R&D team has worked extensively to bring out a top of the line revolutionary high performance mast base extension. The heavy duty construction guarantees no failures. The roller bearing parts make down hauling your sail easier than ever. Built with all metal parts the all new Team Extensions will deliver incredible performance.





Fixed 16", 18", 20", 22", 24", 26", 28", 30"



Fixed Adjustable 18-24", 22-28", 26-32"



Quick Fixed 18", 20", 22", 30"



Quick Adjustable 18-24", 22-28", 26-32"



Race Adjustable 18-24", 22-28", 26-32"

### Accessories



REGULAR UPHAUL

• 140cm long



Roof Rack Pads

- 50cm long
- Sold in Pairs



T-Boom Protector Extends down mast 20cm



Boom Protector



### G4: Gaastra's latest creation in the harness world ...

... shows the pinnacle of comfort in this 3D molded ergonomically correct waist harness. Maximum lumbar support ensures relief every time you hook in!

Multiple panel layers make for a perfect fitting design- works great with out without a wetsuit. Hook stays low and fixed. Anatomically correct back support via 3D design guarantees comfort and style.

- 3D thermo molded foam panels on the outside
- 3D back plate, that gives perfect force distribution and anatomic shape to the harness
- 3 separate shaping panels giving pre-curved shape
- soft neoprene edges all around
- strong and durable construction
- heavy duty 2 point webbing and buckle for fixed harness/bar connection
- high quality stitching
- huge 3D thermo molded foam pillow on the inside

# A

### Gaastra Harness Range 2011

Comfort is critical when it comes to choosing the right harness. Our team insists on a no compromise harness that offers superior comfort, highly functional operation along with a perfect fit. Every single one of the Gaastra Harness Range is developed and tested intensely with our professional team.

Having 5 waist harnesses and 2 seat harnesses in the range, there is the perfect option for all needs and body types big or small. Build quality is second to none and every piece of material is made to last through the storm.



#### **Gaastra CROSS**

Sizes: XS, S, M, L, XL

Rider developed and Rider Proven, the CROSS gives you everything you need in a waist harness. Total back support with a smooth feeling that keeps you comfortable in the gnarliest of conditions. Used by Ross Williams for wave and racing disciplines this harness can do it all.

Available in Silver & Black



#### **MISSION WAIST**

Sizes: XS, S, M, L, XL

A newly designed, unisex harness with firm lower back support, comes with a quick release buckle system which enables the sailors to get in and out of the harness without adjusting the webbing every time. Super comfortable neoprene edges combined with a thermo interior make this one of the best allround harnesses available.

Available in Black, Croc (green), Croc (black)

### **HARNESSES**



#### **RIDER SEAT**

Sizes: XS, S, M, L, XL

The Rider Seat has been time tested as one of the most innovative ergo harnesses on the market. This harness has been developed with eight-load bearing straps to distribute weight evenly. The internal batten support along with anti chafe padding keep you going all day long with maximum comfort and control.

Available in Standard & Black



#### **RACE SEAT**

Sizes: S, M, L, XL

This racing seat harness gives the serious racer ultimate efficiency. Super low bar/short back gives a down low center of gravity pull for maximum drive from the hips and butt. The cross strap system under the buttocks is designed to keep the harness in place and not slide up.

Available in Black



### **SPINE WAIST**

Sizes: S, M, L, XL

The Spine is a solid performing harness that is easy on the wallet. A built in lumbar support delivers comfort and style. This redesigned waist harness is a great all around performer.

Available in Standard

