



ka.
performance with passion

KAOS

2011

Welcome to the 2011 sail range by KA

The KA Team is really proud to introduce the 2011 sail range. There are many exciting changes and upgrades right throughout and they are detailed in the following pages. So please read on and don't hesitate to contact us for any further information.

The theme for 2011 is "refinement". We have put every detail under the microscope and reviewed them thoroughly. Changes have been made where a performance or handling gain, weight saving or durability improvements would result. We are really excited with the results and we know you will be impressed.

Thank you,

The KA Team





Since the 1990's Kaos has been the precision tool of choice for discerning Wave sailors.

Its ability to provide power on demand yet remain neutral on the wave face are highly sought after qualities which allow riders to remain perfectly in control, placing themselves on the wave with pinpoint accuracy. On the wave it has a smooth, forgiving power transition from the bottom turn into the top turn. It's not hard to understand why for more than a decade this sail has been held in such high esteem.

For 2011 we have give this precision tool even a sharper edge.

If you can look past the eye catching new graphics you will find a host of refinements that take us to a new level of performance. Luff curve, seam shaping and batten tapers have been tweaked to refine the balance and power delivery. Twin eyelets have given the Kaos even a greater range with the bottom setting opening up the lower leech increasing its performance in higher winds. The clew reinforcements have been improved to ensure its ability to survive even the harshest of wipeouts while the use of high tech materials in the luff and leech has reduced weight.

There is little doubt that Kaos rules the Waves.

KAOS
wave





Kaos rules the waves...

- *Full Xply construction.*
- *Heavy duty 250 Luff sleeve material.*
- *Aramid Xply luff panel.*
- *160 HPE Dacron luff insert for depower on the wave.*
- *Aramid leech reinforcement prevents distortion.*
- *Twin clew eyelets for extended wind range.*
- *Multiple layer clew reinforcements.*
- *Thermoformed mast pad.*
- *Moulded batten end protectors.*
- *Extruded PVC foot and lower seam protection.*
- *Boom height indicators.*
- *Moulding above boom slot for easy mast insertion.*
- *Stainless Steel triple downhaul pulley.*

<i>size</i>	<i>luff</i>	<i>boom</i>	<i>mast</i>	<i>battens</i>	<i>top</i>
<i>3-7</i>	<i>375</i>	<i>148</i>	<i>370/17</i>	<i>5</i>	<i>adjustable</i>
<i>4.2</i>	<i>394</i>	<i>159</i>	<i>370/17</i>	<i>5</i>	<i>adjustable</i>
<i>4.7</i>	<i>409</i>	<i>168</i>	<i>400/19</i>	<i>5</i>	<i>fixed</i>
<i>5.0</i>	<i>420</i>	<i>170</i>	<i>400/19</i>	<i>5</i>	<i>fixed</i>
<i>5.3</i>	<i>430</i>	<i>174</i>	<i>400/19</i>	<i>5</i>	<i>fixed</i>
<i>5.7</i>	<i>448</i>	<i>180</i>	<i>430 /21</i>	<i>5</i>	<i>fixed</i>





Design a sail that is the ultimate bump and jump weapon, yet just as comfortable playing around on flat water and small waves. That was the brief and that is what we have delivered, an all-terrain wizard.

Full Xply construction gives you the confidence to take it onto the roughest tracks. Seam shaping in the bottom half of the foil supplies ample low down power and there is just enough foil tension to provide high speed stability while still soft enough to allow snappy manoeuvres. This combination of power and speed results in massive air time while the striking new graphics will ensure you are noticed while reaching new heights. Heavier or more power searching riders especially enjoy the Kult, a sail which allows them to get the most out of any conditions.

For 2011, luff curve, seam shaping and batten profiles have been adjusted for a smoother twist and slightly more forward shaping. Boom lengths have decreased slightly for a lighter feel with less backhand pull. Twin clew eyelets increase the usable range resulting in less need to change sails if conditions change.

2011 Kult, take it anywhere!!!

KULT *allterrain*



Kult, take it anywhere...

- Full Xply construction.
- Heavy duty 250 Luff sleeve material.
- Aramid Xply luff panel.
- Aramid leech reinforcement prevents distortion.
- Twin clew eyelets for extended wind range.
- Multiple layer clew reinforcements.
- Combination 8.5mm Diam Rod and 11mm rectangular Rod Battens for draft stability.
- Thermoformed mast pad.
- Moulded batten end protectors.
- Extruded PVC foot and lower seam protection.
- Boom height indicators.
- Moulding above boom slot for easy mast insertion.
- Stainless Steel triple downhaul pulley.

size	luff	boom	mast	battens	top
4.7	408	168	400/19	5	fixed
5.3	433	179	400/19	5	fixed
5.8	450	186	430/21	5	fixed
6.4	470	193	430/21	5	fixed
7.0	486	200	460/25	5	fixed





The discerning freeride sailor demands a sail that is easy, comfortable and forgiving, while still maintaining an impressive overall performance and top end speed. The 2011 Koyote answers the challenge and in doing so sets the new standard for no- cam freeride sails.

All the learning's from the ongoing Konzept R&D program have been applied to the Koyote. The foil is powerful in the lower half, delivering great planning power, while the progressive leech twist and slippery upper foil profile reduce drag and deliver a blistering top end. Make no mistake; this is a seriously fast sail having topped 40 knots on numerous occasions. The foil tension is sufficient for excellent draft stability when overpowered yet the handling is soft enough for effortless manoeuvres and easy pumping.

The sail can be locked down for straight line blasting with the 7 carbon/composite battens maintaining the draft location perfectly, while it is balanced and predictable through transitions. Full Xply construction ensures the durability demanded from this class of sail is exceeded, with abrasion resistance enablers such as moulded soft edge on the foot and crossover batten, batten end protectors and twin ply Dacron head panel increasing the sails longevity.

2011 Koyote, pure freeride!!!

koyote <freeride>



Koyote, pure freeride..

- *Full Xply construction.*
- *Heavy duty 250 Luff sleeve material.*
- *Aramid Xply luff panel.*
- *Aramid leech reinforcement prevents distortion.*
- *Stepped clew reduces boom lengths.*
- *Twin clew eyelets for extended wind range.*
- *Multiple layer clew reinforcements.*
- *Carbon/composite tube battens.*
- *Thermoformed mast pad.*
- *Moulded batten end protectors.*
- *Extruded PVC foot and lower seam protection.*
- *Boom height indicators.*
- *Moulding above boom slot for easy mast insertion.*
- *Stainless Steel triple downhaul pulley.*

size	luff	boom	mast	battens	top
5.3	423	166	400/19	7	fixed
5.9	441	178	430/21	7	fixed
6.6	462	190	430/21	7	fixed
7.4	483	205	460/25	7	fixed
8.2	495	217	460/25	7	fixed





*Craig Spottiswood. 50.01 knots on the dial, 49.87 knot 2 second peak and all time fastest 5x10 second on GPSSS of 47.76 knots. The sail, KA Konzept 5.0
Tony Wynhoven. First ever GPSSS World record of 47.52 knots. The sail, KA Konzept 4.4
Results speak for themselves, so if you are serious about going fast the KA Konzept should be on the top of your shopping list.*

For 2011 KA Chief designer Andrew McDougall and PWA Racer Jesper Orth have combined science and practicality to push the limits of this amazing sail even further. Every dimension has been meticulously reviewed using the KA developed McSail design software, the World's leading computer aided design system for Windsurfing. Seam shaping and luff curve have been refined to the sub millimetre. The result is more power and less drag. More area has been added to the lower third of the sail with slightly increased boom lengths. This has improved the backhand feel, minimising the risk of over sheeting and enhancing the acceleration out of gybes, a must for slalom racing. Twin clew eyelets have been added increasing the already amazing wind range, the upper setting more suited to downwind speed sailing and the lower setting for slalom racing and freeride.

*Construction enhancements include a 2 ply Dacron head panel eliminating Xply creasing while rolling the sail, material changes to the luff panel and leech reinforcement reduce weight. The full array of abrasion resistance enablers ensures the sails durability and longevity.
2011 Konzept. The science of speed!!!*

konzept speed <> slalom

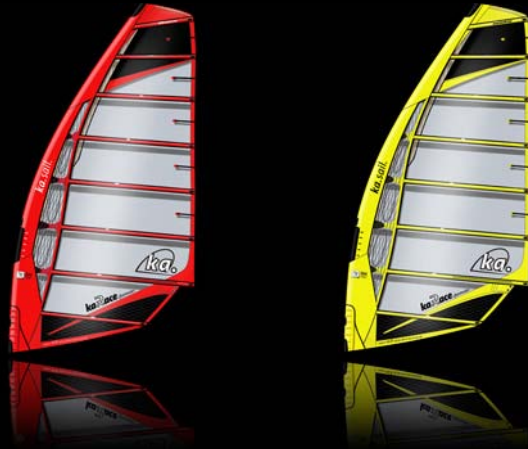


Koncept, the science of speed...

- 5 and 7 Mil Monofilm sail body for crisp response and acceleration.
- 5 Mil Xply foot panels for durability.
- Moderate width Luff sleeve. Heavy duty 250 Luff sleeve material.
- Aramid Xply luff panel.
- Zip up neoprene boom fairing for enhanced aerodynamics.
- Stepped clew reduces boom lengths.
- Twin clew eyelets for extended wind range.
- Multiple layer clew reinforcement.
- Carbon/composite tube battens.
- 3 roller cams
- Thermoformed mast pad.
- Moulded batten end protectors.
- Extruded PVC foot and lower seam protection.
- Boom height indicators.
- Stainless Steel triple downhaul pulley.

size	luff	boom	mast	battens	top
4.0	360	153	340/15	7	fixed
4.4	378	156	370/17	7	fixed
5.0	406	163	400/19	7	fixed
5.8	436	175	430/21	7	fixed
6.6	466	186	460/25	7	fixed
7.5	482	203	460/25	7	fixed
8.5	510	216	490/29	7	fixed
9.5	532	233	520/33	7	fixed





Our design brief was simple. Create the fastest possible sails for pro level Slalom and Formula racing. The result is the 2011 KaRace, a full blown, uncompromised competition sail for the dedicated racer. Be warned, this is a serious sail.

8 carbon composite battens and 4/5 cams combined with a wide luff sleeve and high tension foil provide the most amazing draft stability you will ever experience. This sail can be driven hard in seriously overpowered conditions. A deep draft with a fine entry provides loads of low down power while allowing super high upwind angles. The upper foil is twisted and slippery for uncompromised top end speed.

The smaller sizes are aimed squarely at Slalom racing. The emphasis is on acceleration and top end speed. The larger sizes being dedicated to Formula racing offer uncompromised draft stability. This allows the racer be comfortable on a very large sail upwind and then unleash all this power for deep off the wind angles and blistering speed. High tech materials such as Kevlar and Spectra are used in the high load areas to enable extremely low stretch without adding unnecessary weight. The full array of abrasion resistance enablers ensures the sails durability and longevity.

2011 KaRace, built for serious racers.

kaRace slalom<>formula



KaRace, for serious competitors...

- 5 and 7 Mil Monofilm sail body for crisp response and acceleration.
- 5 Mil Xply foot panels for durability.
- Wide Luff sleeve. Heavy duty 250 Luff sleeve material and 4mil Xply.
- Aramid reinforcements in high load areas.
- Zip up neoprene boom fairing for enhanced aerodynamics.
- Carbon/composite tube battens.
- 5 roller cams, 3 oversized for smooth rotation.
- Stepped clew reduces boom lengths.
- Twin clew eyelets for extended wind range.
- Multiple layer clew reinforcement.
- Thermoformed mast pad.
- Moulded batten end protectors.
- Extruded PVC foot and lower seam protection.
- Boom height indicators.
- Stainless Steel triple downhaul pulley.

size	luff	boom	mast	battens	top
5.4	423	167	400/19	8	fixed
6.2	447	184	430/21	8	fixed
7.1	474	201	460/25	8	fixed
7.9	495	216	460/25	8	fixed
8.9	519	233	490/29	8	fixed
9.8	540	248	520/32	8	fixed
10.8	563	263	550/36	8	fixed
11.8	587	278	550/36	8	fixed

