

THE ATOM STORY

Born from the success of the Ion, the Atom is the new hybrid water kite from Flexifoil. We asked our customers and retailers what they wanted from a kite that would satisfy competent kitesurfers and would also suit riders making the transition from "C" shaped kites to the bow style kites. They told us that if we could take the performance and feel of the Ion and make a kite that was even more simple and affordable, it would be a winner.

The Atom is the resulting kite and is based on the massively successful Ion planform. This is an excellent kite which is not only very easy to use but also has enough performance for experienced riders.

This is NOT a next generation Ion - it's a sister kite that will sit at the intermediate part of our range making our sport easier and more satisfying. The Atom is manufactured from the same high-grade materials as the rest of Flexifoil's kitesurf range and will be **due for release Autumn 2006.**



WAVES, FREERIDE AND FUN - IT ALL STARTS WITH AN ATOM

Jumping → You will find no other intermediate kite that jumps as well or as effortlessly as the Atom. The kite's high lift design, ensures hangtime is not just for the pros but now attainable for all riders. If going big is your thing then you won't be disappointed.

High End → The leading edge bridle pushes the Atom's tow points further forward than traditional C shaped kites. This forward tow point allows the kite to behave in high winds like a kite up to 2-3m² smaller, so a 9m² has the top end of a conventional 7m² kites. The kite's bridled design soaks up gusts far better than traditional C shaped kites and for most riders a two kite quiver is possible (sizes depending on riders ability and weight, and style).

Low End → The Atom has a larger wingspan than traditional kites, which provides more power for a given area. Each size feels larger by up to 2m² for light winds. So for example a 15m² pulls like a 17m² but turns like a 14m² "C" shaped kite.

Turn Speed → The rear lines from the bar connect directly to the Atom's rear tow points (no pulleys), making for a kite that is fast through turns and responds quickly to rider input. The kite is where you want it to be when you want it to be there; this direct feel to the kite makes it very easy to get on with straight out the bag.

Bar Pressure → The Atom responds to light pressure on the bar, but with enough force to give you adequate feedback. You know where the kite is at all times. Irrespective of their level, riders love to have this intuitive feel for where the kite is in the sky. It makes nailing all your landings and tricks simple.

Unhooking → Although many Atom riders will not see the need to unhook, when you fly this kite you will see how well the Atom behaves when unhooked. Give the kite some depower on the trim unhook and the kite is very stable and turns quickly, giving you masses of confidence to try new school moves, or ride unhooked down the line on your surfboard.

Upwind Ability → The Atom points very high into the window and will send you on an upwind reach as soon as there is enough wind. In fact, downwinders have never been so much fun, as making up ground on the Atom is truly effortless.

Re-launch → As with all Bow / SLE / Hybrid kites, the relaunch is very simple and user friendly, giving you more time on the water and less time swimming.

Safety → There will be two forms of safety for the Atom depending on what bar / line set you are using. A primary safety which releases the kite onto the front lines and a single line out, which releases the kite onto the rear line.

Colours available (all sizes)



Rasta (Red/Yellow/Green)



Petrol (Petrol Blue/White/Red)

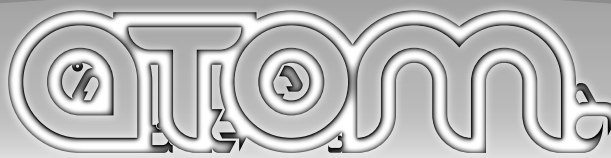


Samba (Royal Blue/Green/Yellow)

Sizes: 3m², 5m², 7m², 9m², 12m², 15m²

**Turn the page
for more detailed
information**





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Build quality

More and more riders are buying Flexifoil kites because of their exceptional build quality. They are made using high quality materials sourced from around the world and are manufactured to a high tolerance. This is backed up by the best after sales service in the industry which has been developed from over 25 years of kiting experience.

Reinforced Leading Edge

The centre section of the Atom leading edge is triple reinforced which ensures this main stress area is the most durable on the market.

The seam also runs along the back of the leading edge tube, providing smoother air flow and preventing abrasion when the kite is on the ground.



Rigid Strut System

Each strut is attached to the canopy with webbing reinforcement ensuring a strong, stiff connection which maintains frame rigidity.



Dacron Cage

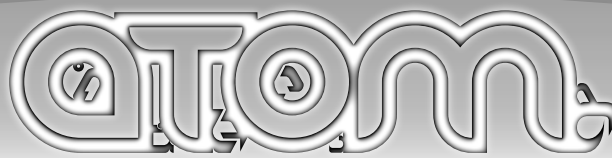
Dacron reinforcement strips run from wingtip to wingtip along the leading edge and down each side of the individual struts.

This creates a strong Dacron cage which reinforces the high stress areas of the kite, and prolongs durability when the kite is dragged on the ground.



Leading Edge Reinforcements

EVA / Neoprene bumpers are sewn onto the leading edge at each point where the struts meet the leading edge. They protect the leading edge from damage whenever the kite comes into contact with the ground and significantly prolong the life of the kite.



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Performance through design

Flexifoil have invested heavily in sophisticated kite design software which has enabled them to improve kite designs year on year. The result of this investment is a powerful design tool which is used by the product design team to produce the most aerodynamically advanced kites on the market.

Geodesic Canopy Design

The seams on the Atom are placed along geodesic paths to ensure that the load forces running through the kite during flight are directed into the right areas. This means that the kite maintains its shape in the air leading to no loss of power transfer when initiating turns and powering up the canopy. The geodesic design also gives the Atom a more direct response.



Segmented Leading Edge

The segmentation of the Dacron leading edge ensures a precise aerofoil shape for better performance and strength and it also helps water relaunchability.



Tapered Segmented Struts

Usually, when the kite is near to stall point, the canopy starts to deviate from its designed shape which negatively affects performance. The Atom struts have been designed to follow the shape of the aerofoil further round the leading edge so that the kite does not deviate from its designed shape at stall point. This makes for greater hangtime and a driving turn.



Uniform Pressure Design

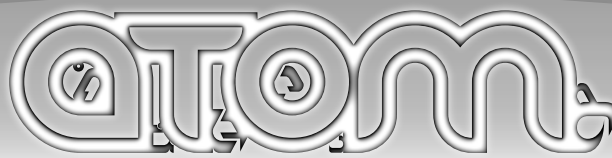
The strut diameters have been constructed to ensure adequate stiffness when air is pumped into the kite. The struts and leading edge maintain a uniform pressure which gives the kite a rigid structure for maximum aerodynamic performance.



Wingtip Trailing Edge Battens

Three battens are sewn into the trailing edge near the wingtips. Reinforced with Dacron, they create a stiffer trailing edge and a clean release for turbulent air passing over the wingtips, reducing drag and providing increased turn speed.





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Safety and ease of use

Flexifoil realise that equipment that is easy to use, can also be fun to use. That's why the Atom not only performs to a high standard, but is also filled with innovative features that make setting up and flying a quick and hassle-free experience. As with all Flexifoil products, safety is paramount; every aspect of the Atom has been designed with safety in mind.

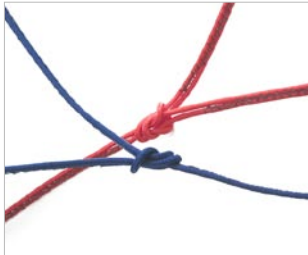
Optional 5th Line Attachment

For riders who prefer to ride using a 5th line system for added safety and self-landing, there is an optional 5th line available on the Atom. This can be ordered separately from the control gear and kite.



Single Point E-Z Inflation

All the struts and the leading edge are interconnected so you can inflate the kite through one single inflation valve, making your kite easy to set up and ride.



Colour Coded Bridle, Lines and Toggles

All Flexifoil kites come with colour coded lines and toggles to ensure you rig your kite correctly. There is also a toggle and loop line connection system which makes it near impossible to make the mistake of connecting the front lines to the back and vice versa.



Variable Power Setup

By attaching the front toggles to different points on the wingtips of the kite, the performance of the Atom can be optimized to suit different riding styles. Use the rear tow points for low wind or wake style manoeuvres and powered up riding. Use the front tow points for wave riding and greater depower in high wind.

Variable Turning Speed

By moving the rear flying line pigtail in from the trailing edge, this slows the turn rate of the kite which is great for high wind or intermediate riders. By moving the pigtail out towards the trailing edge, this increases the turn rate of the kite for light wind or radical manoeuvres and wave riding.



Reinforced Strut Ends

Rugged strut ends with anti abrasive material help protect the strut ends when handling the kite. They also keep the bladder pocket neatly folded back on itself with an elastic cuff.



Bladder Locks

All bladder valves are designed to lock into the Dacron material that surrounds the valve. This ensures the valve is seated squarely in the strut or leading edge and makes sure it doesn't fall through.



Air Clamps

White rounded clips seal off the air between the leading edge and struts to ensure the entire kite won't deflate in case of a puncture. It is also possible to deflate the leading edge while keeping your struts inflated for easy kite transportation.

Wingtip Dump Valve

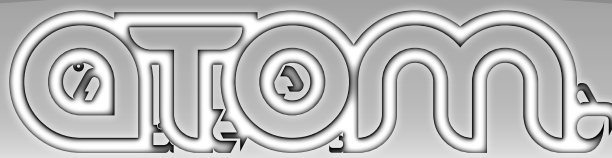
Flexifoil was the first company to introduce this great feature which makes it very quick to deflate and roll up the kite after a session. Open the tip valve, main valves and air clamps and then roll up the kite from one end to the other. The air is expelled in one motion and leaves the kite ready to pack away.



Velcro Valve Fastening

Velcro tabs keep the valves secure and also make deflation easier, especially in cold weather or if you're wearing gloves.





THE PACKAGE

Atom bag

Big enough to fit the kite, pump and bar into, and the top of the bag opens out extra wide, making it easy to put the kite into the bag on a windy beach. Also features a corrosion free plastic zip.



Atom Spares and instruction pack

Included in the package are two patches of colour coded Dacron for running repairs, bladder repair patches, spare zip ties, spare tubes and a comprehensive multi-lingual instruction manual.



THE ATOM BAR

The Atom bar is aimed at kitesurfers who want an easy to use bar without sacrificing either performance or the ability to do the latest tricks.

Flexifoil use an integrated approach to the design of the kite and bar and strive to keep the number of moving parts to a minimum whilst still retaining functionality. This means there is a lot less to tangle, less parts to wear and more importantly less equipment to get in the way when relaunching, making it really safe.

The bar has an adaptable safety leash with two simple set up options and it's easy to change between these two options.

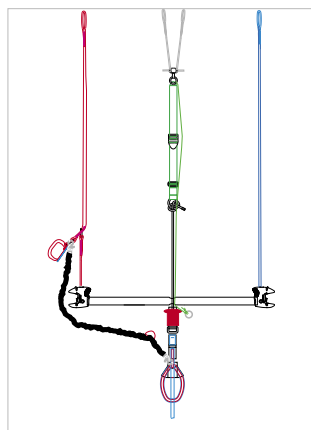
The Atom bar also benefits from:

- Unrivalled grip from the custom thermoformed Eva foam
- Direct comfortable feel from the solid, dual-density, ergonomic bar ends
- The simplest yet most effective safety release system on the market
- Custom stainless steel ball bearing swivel to keep the front lines tangle free
- Customisable set up to suit all riding styles provided by the inherently adjustable design of the bar and the full range of available accessories



Safety System Setup Option A

The leash can be clipped between the landing handle and chicken loop for a fully spinning system. Activating this system completely disables the kite and is the safest system to use when on the land.



Safety System Setup Option B

The leash can be clipped between the rider's harness and a green 'safety' line that runs through the centre hole in the bar. This system is great for unhooked tricks, as when you let go of the bar it activates the system allowing the kite to fully depower and fly to the edge of the window, ready to be relaunched. The simple relaunch enables the rider to spend more time practising their tricks rather than relaunching their kite.

