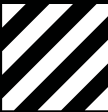
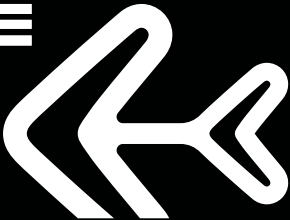


 **D23** **ALIEN**
FOIL FREERIDE BOARD



SEVERNE

 **HYDROFOIL
DIVISION**
// STANDARD ISSUE







Purely designed as a windsurf foil board, the Alien enables all the variables to work in harmony and move beyond simply balancing on a foil to WINDSURFING on a foil. A functional foil board with refined details that makes foiling both accessible AND desirable.

The Alien development program was initiated when the disappointment of bolting a hydrofoil to a normal windsurf board was realized. By analyzing and gaining a deep understanding of the new variables that foiling introduced, we saw that specific foil-oriented equipment was required to elevate the experience to a true windsurfing sensation; blasting in control and carving turns rather than balanced on top, nervously trimming.

The differences between the Alien and a normal freeride are many; shape, length, rocker, stance, pretty much everything. But this new geometry works in conjunction with the foil and rig to deliver balance, and a new windsurfing world to any competent windsurfer. It opens up more locations to windsurf, and can double or triple your days on the water.

Stable enough for your first flights, the Alien has the considered details to deliver performance so as not to be outgrown.

SIZES (CNC) 105 / 115 / 125 / 155
SIZES (CMC) 120 / 145



KASIS **BEN SEVERNE**
ALIEN
FREERIDE FOIL
 **CMC**
COMPRESSION/MAX FIBER COMPOSITE

SALES FOR THE REVOLUTION



PHOTO: MATHIAS MOERMAN
TWO GOAT MEDIA

ALIEN

BEN SEVERNE
WA



FUNCTIONALLY COMPACT

VOLUME

The volume distribution is very important on a foil board as it can be used in much lighter winds than you need to waterstart. So uphauling is an important consideration, and the Alien has enough volume forward to allow traditional uphaul technique with one foot either side of the mast base. A lot of volume in the back half of the board allows you to get into the straps before the board is even moving, and then kick-start up onto the foil.

LENGTH

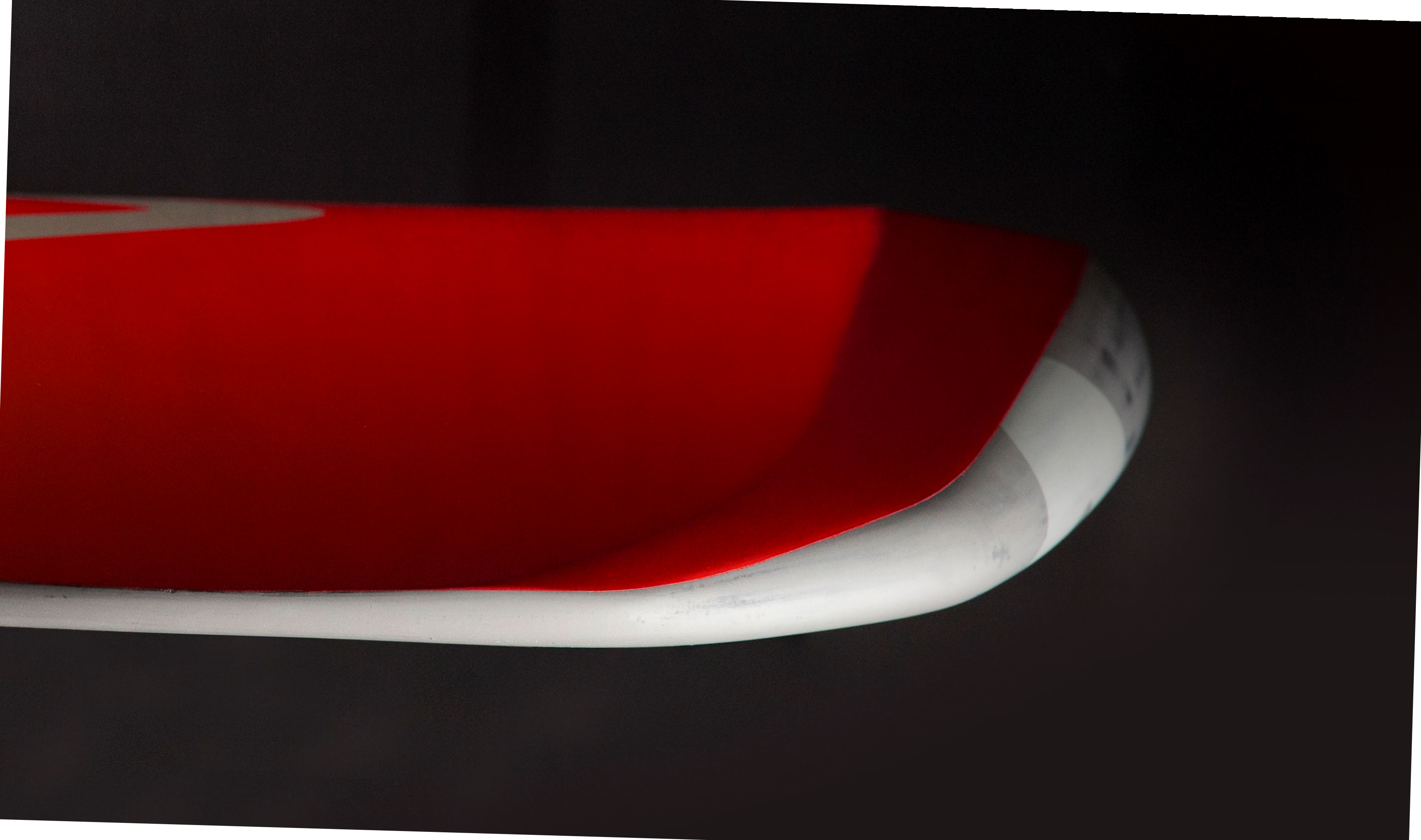
Shorter length reduces the leverage and lift required by the foil to get the board out of the water and keep it there. So the Alien is much shorter than normal freeride boards, but still has enough length to be able to use the nose area for down-force at high speeds, balancing the lift from the foil. Having some length at the front also softens re-entry, minimizing catastrophic touch-downs.

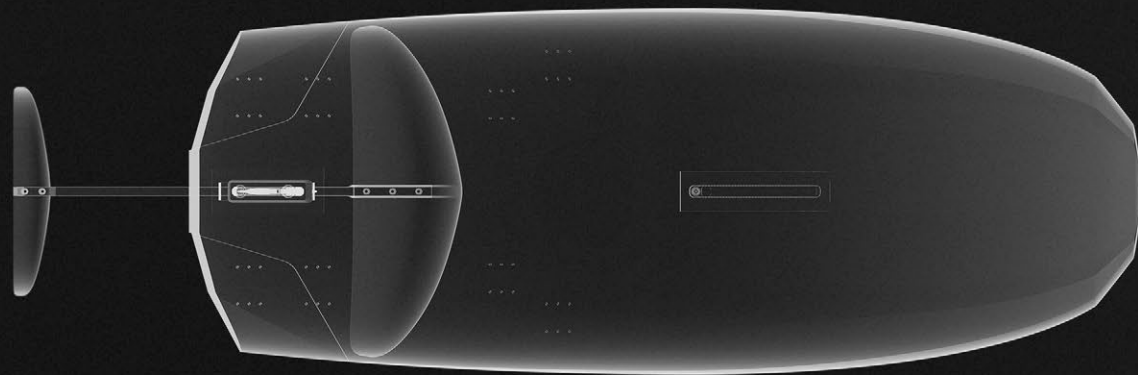
WIDTH

The width of the board matches the widths of the foils it's designed for. Too wide and the board has too much leverage over the foil and it's easy to overpower the foil or not have enough support. Too narrow and the foil can dictate where the board goes. So we balance it up – Alien widths are 65-85cm wide, and designed for similar width foils.

SIZE	LENGTH	WIDTH	WEIGHT (+/- 5%)	IDEAL SAILS	RIDER WEIGHT
ALIEN 105	190	65	7.2	Foil Freek or Freek 4.0 to 5.6 / FoilGlide 5.0 to 6.0	<85kg
ALIEN 115	200	70	7.3	Foil Freek or Freek 4.0 to 5.6 / FoilGlide 5.0 to 7.0	<95kg
ALIEN 120	205	74	7.5	Foil Freek or Freek 4.0 to 5.9 / FoilGlide 5.0 to 8.0	<105kg
ALIEN 125	210	75	7.6	Foil Freek or Freek 4.0 to 5.9 / FoilGlide 5.0 to 8.0	<105kg
ALIEN 140	210	80	8.5	Foil Freek or Freek 4.4 to 6.2 / FoilGlide 5.0 to 8.0	<125kg
ALIEN 155	215	85	9.0	Foil Freek or Freek 5.2 to 6.2 / FoilGlide 5.0 to 8.0	<125kg

*All boards are available with nose protector included or to order after market.





BALANCE

The board is but a single part of the foiling windsurfer, and must work in harmony with other components; the foil and the rig.

The geometry of all 3 components (Foil, Board, Sail) work together to promote an upright stance. This requires only small movements for the rider to trim the ride – less effort and a quicker response to control increasing or decreasing lift.

With everything working together, the balance of flight is effortless.

MAST TRACK

To achieve balance, the mast track is positioned further back to keep the rig standing vertical rather than the traditional raked back position. A vertical rig is more stable, and positions the sails' CoE directly above the lift of the front wing.

FOOTSTRAPS

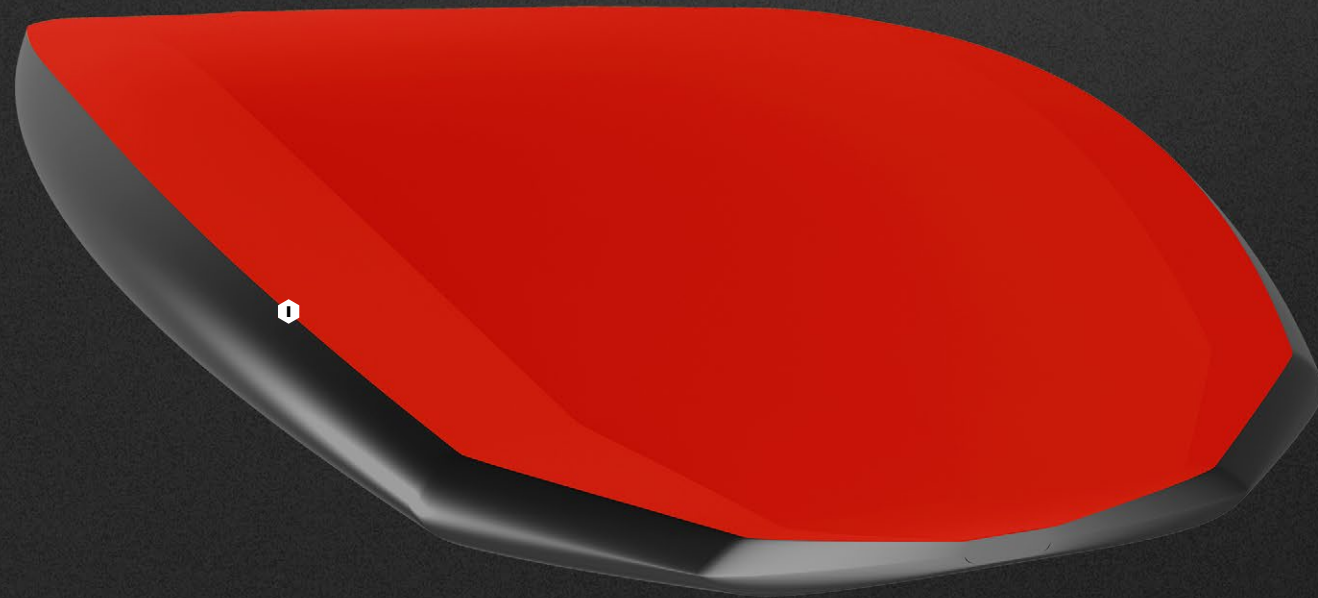
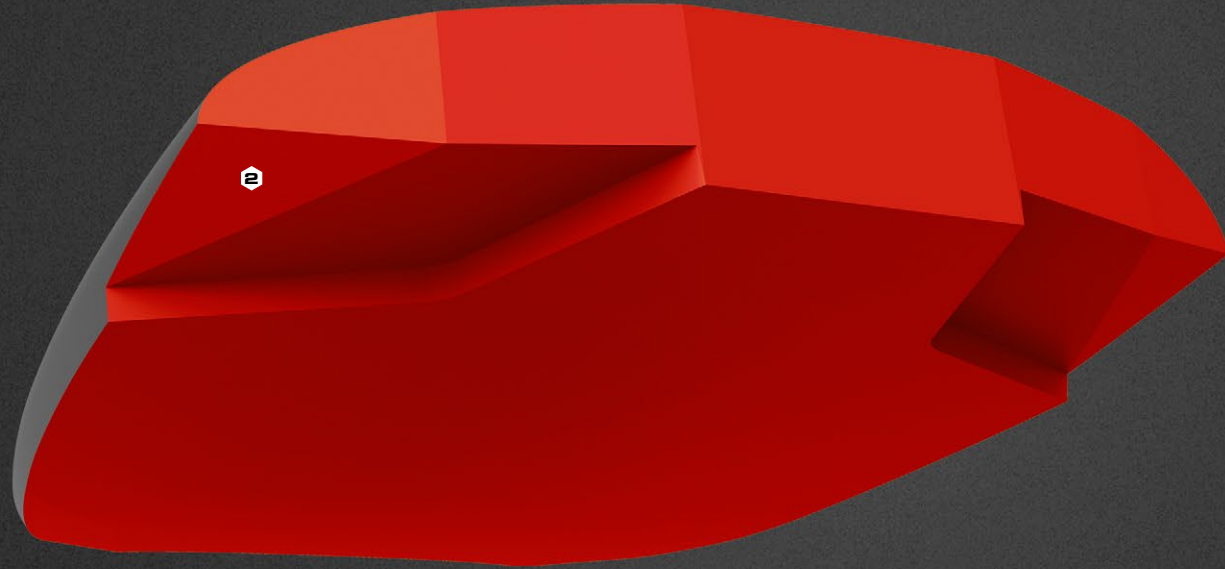
The rider's feet are positioned either side of the front wing, and straps are positioned closer together for a more upright stance. This allows smaller movements to maintain foil trim, and keeps the riders weight directly above the foil lift.

The foiling stance is more rotated outwards towards the rail. Less load on the rig means the twist angles necessitate more rig sheeting, and to feel comfortable in this position the back foot is out near the rail and the front strap angle is reduced.

Additional inboard footstraps allow a more vertical stance, increasing rider stability when learning to foil.







CONTOURS

BOTTOM GEOMETRY

The bottom shape on the Alien has 2 parts; forward half to manage touch-downs and the back half to accelerate to take-off velocity.

- 1 From the mast track forward, everything makes touch-downs as gentle and less violent as possible. Big bevels, tucked rails, lots of nose lift. The wide angles on all the edges make it very forgiving when the nose connects with the water from any direction – this prevents the nose catching and tripping, and often simply redirects the nose back into the air.
- 2 From the mast track back, it's all about take-off. Sharp rails, flat rocker, parallel outline. The bottom shape is flat for minimal drag, and features large cutouts to enable the tail to be kicked down to angle the board up for acceleration and take-off.

DECK GEOMETRY

The deck contours have been designed to allow the nose area to be used like a sail to create downforce at higher speeds. This effect can be used to balance the increased lift from the foil. By angling the board to windward and presenting the nose area to the wind, the concave deck shape fills with wind and holds the front down.



LIGHT IS RIGHT

When trying to get something to fly, light is right. Any extra weight requires more lift from the foil, so the absolute necessity of each element is carefully evaluated. The Alien is specifically designed for windsurfing and windsurf foils use Tuttle bases, so a single reinforced deep Tuttle box is fitted.

Flying above the chop eliminates most of the impact, so thinner deck pads enable weight savings. Any learning experience involves a few mistakes, so added nose reinforcements help minimize damage. And new side patches are placed to handle the climbing onto the board when uphauling. With the reduced swing weight of the short board length, these additions are easily balanced out. Full PVC sandwich with carbon and S-glass skins make this a high performance product.

LIGHT IS FLIGHT



D23 FLIGHT CONTROL

FOOTSTRAP POSITIONS / PRE-FLIGHT ADJUSTMENT

The position of foot straps relative to the foil is determined by the lift required.

FORWARD - LESS LIFT

Setting the straps further forward moves your weight in front of the centre of lift.
If you're a lighter windsurfer (below 85kg) this will give you more control in higher wind.

BACK - MORE LIFT

With the footstraps further back, the riders' weight moves behind the centre of lift.
If you're a heavier windsurfer (above 85kg) this will give you earlier flight efficiency in less wind.

MAST BASE POSITION / FINE TUNING

The position of foot straps relative to the foil is determined by the lift required.

FORWARD - LESS LIFT

This will give more control in higher wind, and help control breaching.

BACK - MORE LIFT

This will give earlier flight efficiency in less wind, and helps stop the nose dropping.



KASIS **BEN SEVERNE**
ALIEN
FREERIDE FOIL

SAIJS FOR THE REVOLUTION



PHOTO: MATHIAS MOERMAN
TWO GOAT MEDIA

ALIEN

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