

### In better Shape with Walter Feldtänzer

The windsurfing elite have heard and known of Walter Feldtänzer for years.

Walter's creations have steered alpha onto its successful and winning course for the past four years. For instance, the alpha 60 N "Speed Needle" is the fastest production board in the world with speeds of 68.96 km/h (42.85 Miles/hr.), having broken its own speed record four times in a row. Or the 220 "Pro Race" which has won National, International and World Championships at both amateur and professional levels.

Walter is one of the best and knows what it takes to design shapes that are perfect for optimal speed and maneuverability in all windsurfing conditions.



## ALPHA TEAM. FEELING. EXPERIENCE. KNOW-HOW.

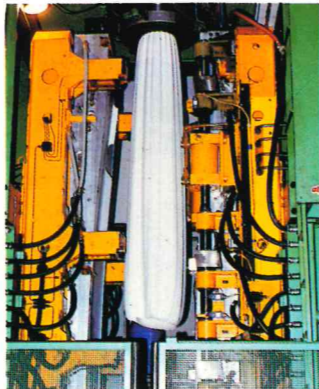
### Michael Pucher – "Power Mike"

Michael is a man with windsurfing in his blood. Speed records of 65.94 km/h at Fuerteventura (1988) and 68.96 km/h at St. Marie de la Mer in France (1989), make him a man who's convinced that alpha is the best. Michael's experience in international speed trials and on the world cup regatta scene is passed on to alpha's R & D people for analysis in the development of their new boards.

### alpha's Test Team

Nothing is left to chance at alpha. Before an alpha board goes into production, it has to prove itself. That's the reason for the alpha Test Team. Using top recreational and World Cup class international windsurfers from around the world, prototypes are tested under conditions far beyond what a normal windsurfer would subject his board to. Direct comparisons are made with competitive shapes in the windsurfing industry as well. Test reports are sent back to alpha for evaluation and study until the perfect shape and construction technique is found. Only then does alpha give the go-ahead to the production department.

Over 20,000 boards leave alpha's Salzburg factory each year. Alpha has one of the most modern production facilities in the surfing industry with just over 5000 m<sup>2</sup> of factory and office space with the most modern machinery available – for instance the largest blow mold machine in the world for the computer assisted production of alpha PE-CompTec Boards.



When the windsurfing fever hit Europe in the early 1970's. Heinz Nedoluha became a leader in the forefront of the sport. His unique shapes and boards were winning virtually all the regattas. From these early experiences, lay the foundation stone for alpha sailboards.

The early enthusiasm and innovation that Heinz had for this fascinating sport can be still found today at alpha. As Director of Research and Development. Heinz and his people are highly trained professionals with years of experience and technical know-how. His alpha team works closely together to combine state of the art board development and high quality production.

The result is a line of world class sailboards that suits everyones needs, whether it be for a beginner, World Cup Regatta competitor, Wave sailor, or speed course racer.

**alpha CompTec boards:  
PE is faster than ASA!**

Lots of people still think that PE is slower than ASA. That's true of "normal" PE boards. Because they're soft, and the underwater surface isn't as smooth. The alpha CompTec boards make all this history, because alpha has achieved.

**The ultimate stiffness**

alpha has also achieved the ultimate in board stiffness, by using a combination of PU cores of closed-cell foam and the perfect shape (boxrails, more volume in the standing area) which virtually eliminates board vibration.

**Smooth underwater surface**

Developed by alpha, alpha Competition Base makes the underwater surface almost as smooth as Epoxy. Proof comes from the Technical University of Munich, where tests were conducted comparing the stream resistance of "normal" PE, ASA/ABS and alpha's ACB\*. Results were conclusive showing that alpha's ACB\* had less stream resistance than any other material, at all speeds. Simply translated, this means that alpha's ACB\* is faster than the other materials tested.

\*ACB-alpha Competition Base

**Volume dominates board character – volume distribution determines how your board will sail**

alpha was the first to introduce the volume concept in 1985. Since then, the classification of boards into volume categories has become an internationally recognized system. The distribution of volume determines how your board will sail, and for what conditions your board is suitable. Comparing two basically different board types will show how important volume distribution is:

**EXAMPLE 215 RS**

Volume distribution:  
Stern - 15%  
Middle - 55%  
Bow - 30%

The high volume in the standing area makes rope starts and turns easy, and guarantees maximum stability. The relatively high volume in the stern prevents it sinking when planing out of a gybe.

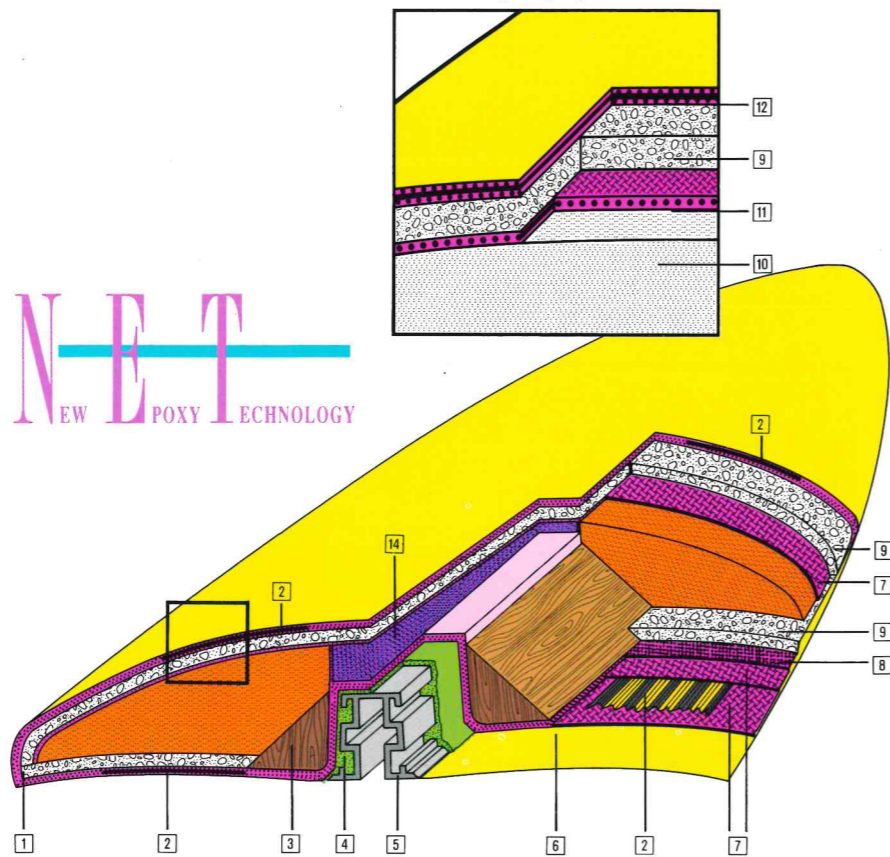
**EXAMPLE 85 W**

Volume distribution:  
Stern - 10%  
Middle - 56%  
Bow - 34%

High volume in the bow and mid areas optimises planing, freeing the board early. Low volume in the stern gives high speeds, neutral sailing qualities, sensitive steering and radical manoeuvres.



Section details of an alpha Epoxy Board



Cross section of an alpha Epoxy Board

**N.E.T. – The new generation of alpha Epoxy Boards.**

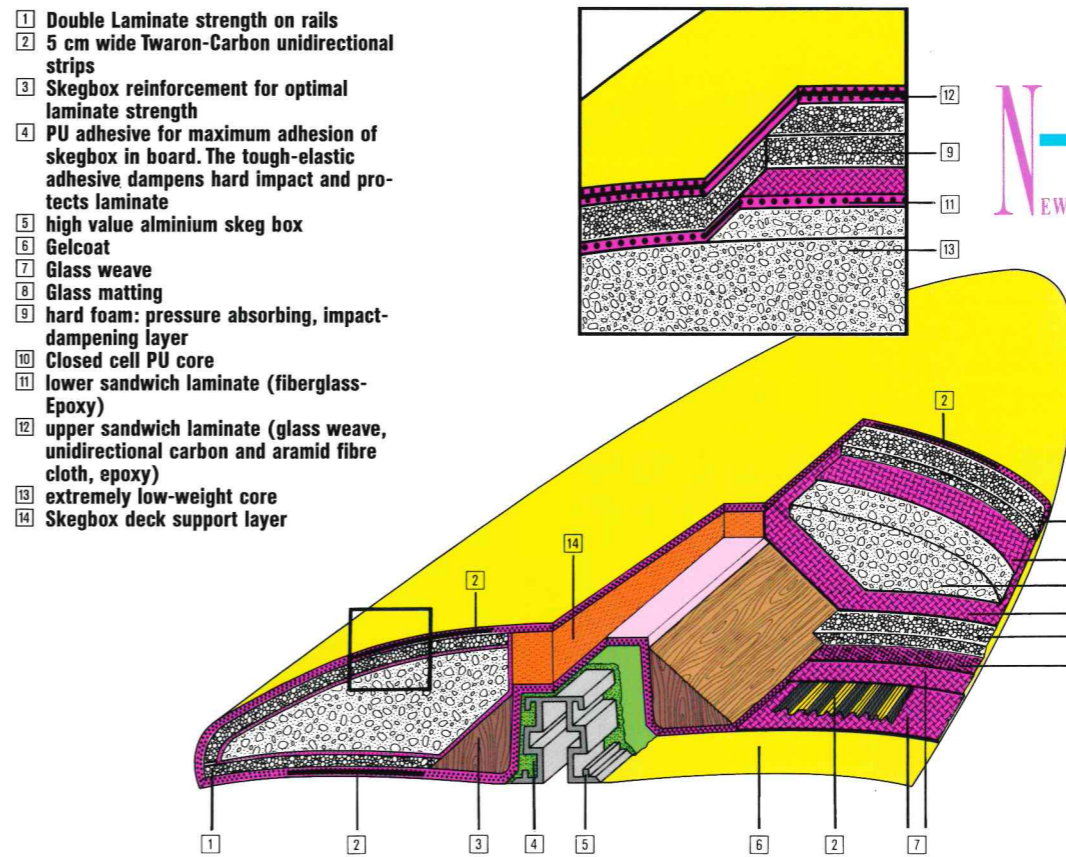
New Epoxy Technology – N.E.T. – is a further advancement in surfboard construction. Alpha has come to realize that the demands placed on today's surfboards have increased dramatically over the past few years. Those demands call for lighter weight boards and increased strength. Therefore alpha has developed a new sandwich construction incorporating 5 cm, wide reinforcement strips of carbon/Twaron to give higher stiffness, combined with a closed cell PU core to provide maximum strength.

Alpha's new generation of N.E.T. boards guarantees optimal pressure dispersion in the standing area while at the same time reducing the overall weight of the board.

**TECHNIQUE. LIGHTER. STIFFER. STRONGER.**

**NEW EPOXY TECHNOLOGY**

Section details of an alpha Epoxy Board "light"



Cross section of an alpha Epoxy Board "light"

**N.E.T. light – the superlight from alpha**

The alpha "N.E.T. light" sets the new standard in production boards. alpha Epoxy "light" gives you all the advantages of weight and strength characteristics found in its standard N.E.T. boards, but with a further weight reduction of some 10% over alpha's N.E.T. boards and over most competitive product, yet still retaining the strength and impact resistance qualities that are described in alpha's standard range.

alpha has spent more than a year in developing a highly stress resistant light compound sandwich construction which is wrapped around an extra light core.

"N.E.T. light" is only available as a special edition in the following models: 220 PR, 195 PR, 120 SL, 105 SL.



**ALPHA LONG TIME GUARANTEE – PROOF OF REAL QUALITY**

Enjoy your alpha board longer. Because alpha boards have the longest guarantee in the surf industry\*): 2 years on alpha Epoxy boards and 5 years on alpha CompTec boards. With good reason! Because

**alpha has made the best of Epoxy:**

alpha Epoxy, a special product from the alpha laboratories has proved itself; hard, stiff and fast – top performance and reliability, guaranteed by the alpha 2 years warranty\*).



CompTec – faster than ever alpha CompTec is unbelievably robust, long lasting, and insensitive to cold. A special alpha technology has produced an absolutely smooth planing surface – alpha Competition Base (ACB). Superior quality guaranteed by the alpha 5 years warranty\*).



\*) In accordance with the international alpha guarantee stipulations

# Allround



## 230 A

The alpha 230 A has been designed for light to medium wind conditions and offers the greatest variety in usage for newcomers to surfing. The high volume guarantees stability (even for heavyweights) and simplifies the learning of manoeuvres. The 230 A has been used for years as the classical school board in uncountable surf schools world-wide.

Practised surfers can perfect their trick manoeuvres: experiment with balance changes, rail riding, head dips, doubles and all the other freestyle tricks that look so good on the water. A board for inland waters – a board for fun. Built so robustly that alpha can offer a 5 years limited warranty.

## 215 RS

The alpha 215 RS belongs to the new generation of allround boards with racing shape. Its excellent surfing characteristics together with the economical price make it the ideal board for those who want to get to know alpha.

The extended flat scoopline and the double concave V gives fast acceleration. Lots of volume in the standing area makes the board stable, and safe in turns and gybes. The box rails with steep side edges give the board outstanding cruising qualities. Even newcomers soon feel safe enough to make longer tours.

The German magazine SURF tested 6 boards for "beginners" and "intermediates" in their July 89 edition. The result: "The alpha 215 offers altogether the best price-performance relationship..."

## 190 AF

The alpha 190 AF is a sportive Allround-Funboard for use in all locations (except in the surf). Especially suited for Surf Grades 1-3, and for sportive "heavyweights". Volume is concentrated in standing area for optimal stability, easy rope starts and to prevent board sinking too fast in gybes.

Low volume in bow lessens vibration and makes for smooth sailing even at high speeds. The race shape with a triple concave underwater surface gives good acceleration even in low winds. The superior scoop-rocker line makes the board easy to control in stronger winds.



V throughout, slight double concave



Bow: flat V  
Middle: double concave  
Stern: flat V



triple-concave, leading to quadruple concave bow

The alpha 160 has the best test results of any board in the 3.30 m Funboard class. The uncomplicated shape guarantees surfing fun up to 6 Bft.

Though the board is designed as a Funboard, the 160 F still offers an easy rope start and has good cruising qualities even in light winds - you'll have no trouble getting back!

The ideal board for ladies and lightweights, and for newcomers to the Funboard class.

The price/performance ratio of this board makes it particularly interesting - it combines the surfing qualities of an Epoxy board with the durability and price of PE.

160 F



130 F

The alpha 130 F makes the changeover to the Funboard class easy. And not only because of its economical price.

The classic Euro-Funboard shape gives it enough volume for a rope start. The double concave on the underwater shape gives early acceleration and excellent control in stronger winds.

The 130 F is easy to surf in either inland or coastal waters even in medium wind (3-5 Bft.).

Fun



Bow: flat V  
Middle: double concave  
Stern: flat V



Double concave throughout

# 120 SL

The new alpha 120 SL. Fast planing and easy handling. Designed as a slalom board for early acceleration in low wind conditions.

Especially interesting for beginners to funboard surfing: 120 l volume concentrated in the standing area take the problems out of rope starts.

The triple concave underwater shape with a panel V in bow and planing area give soft wave contact and a smooth ride on fast reaches.

The inward extending soft rails and distinct tailkick make the 120 SL easy to control even in strong winds, and the domed deck gives you the chance to surf over the leeward edge. The board reacts sensitively to footsteering and performs manoeuvres easily.

The alpha 120 SL ist designed for flat water and moderate waves.



# 105 SL

The new alpha 105 SL: the best synthesis of speed and manoeuvre qualities, combined in a top class slalom board.

The triple concave underwater shape with a V panel in the bow and planing area gives soft wave contact. The extended scoop and distinct tailkick make the board

easy to control even in top wind limits and to perform radical manoeuvres with minimal edge pressure. For even more speed, the regatta trim has footstraps, mastfoot and skegbox far to the back.

The 105 is designed for flat water and moderate waves. Water start only.

# Slalom

NEW



Triple concave, Panel-V in bow and acceleration areas



Triple concave, Panel-V in bow and acceleration areas

# 60N

The alpha 60 N "Speed Needle" is, with 68.96 km/h (31.24 knots/h) the fastest production board in the world. This board's winning streak goes on and on. Over the past 3 years, the alpha 60 N "Speed Needle" has broken the speed record for production boards - 4 times. The last time was with Austrian Michael Pucher on 24th February 1989 at the Speed-Cup in St. Marie de la Mer.

This radical speedboard is only for absolute experts (Surf Grade 6).



1

# Speed and Wave

# 85W

The alpha 85 W is an ideal wave board for newcomers to coastal surfing. Particularly suited for Surf Grades 4 - 6 and medium to heavyweight surf experts.

The strengths of this board lay where use of other radical waveboards is limited - in medium offside and onshore winds, and medium size waves. The classic shape with rounded pintail and only one skeg makes for high speeds. The voluminous scoop-outline makes the board extremely versatile. For fast manoeuvres and lots of fun in the waves.



Multi-concave



Tri-concave (moderate)

3



# 220 PR

The alpha 220 PR is an extreme Fun Race Board for all regatta sailors and sportive, ambitious surfers. It leads in international Fun-Cup-Regattas.

This board reveals its particular strengths at between 3 and 5 Bft. As it has its widest point in the acceleration area, and the triple concave underwater shape gives a progressively dynamic drive, the 220 planes fast and controlled.

"With a large sail it's already possible to plane at 3 Bft." (Surf 7/87).

The "flat bottom" in the stern area gives higher acceleration.

The slim outline in the stern, together with the speedstraps give better control at high speeds. Sailing upwind the board is unbeatable, with the high box rails and the sharp edges which run right from bow to stern.



The alpha 195 PR advances our successful raceboard concept. It's made especially for professional regatta sailors, and sportive, ambitious surfers. Because the 195 PR is all but unbeatable in heavy wind locations, its strengths come into their own between 4 and 7 Bft.

The middle concave of the underwater shape tapers towards the stern. This gives a progressively dynamic drive. On broad reach

and beam reach courses particularly does this board take off and reach high speeds.

The speedstraps, arranged in pairs in the stern area, will give you the best possible standing position, and optimal board control in high winds. At the same time they give you the chance to sail the board over the leeward edge - the new surfing technique.

# 195 PR



# Race



Bow and middle: triple concave  
Stern: flat-bottom with speed step

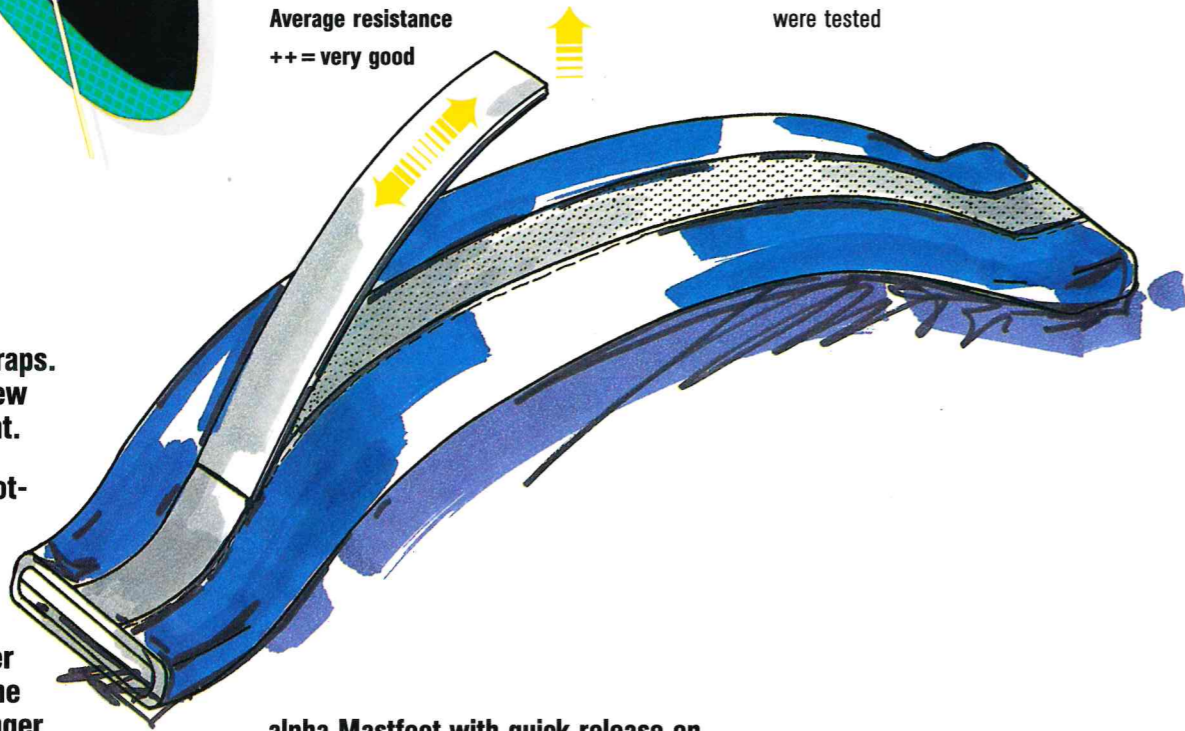
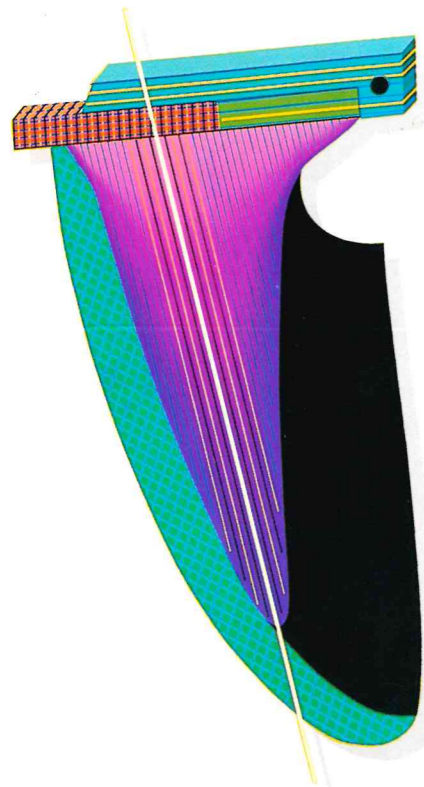
Triple concave throughout

**alpha LightTec Skeg**

The ultimate skeg from alpha. We have spent considerable time and effort in the development of our LightTec skeg. Employing the latest technology from the aircraft industry, this sandwich/foam construction with reinforcement in the major stress areas of carbon and Twaron, provides excellent impact resistance, antitwisting characteristics and stiffness. The major feature however, is its lightness. Pick one up and compare it with any competitively priced product on the market. No wonder this skeg was awarded the highest marks in all the most important criteria in the skeg test in "SURF" magazine\*):

- Upwind** ++ = very good
- Half-wind** ++ = very good
- Reaches** + = good
- Average resistance** ++ = very good

\*) "SURF" Magazine  
BRD May/89  
10 skegs from well-known manufacturers were tested



**alpha Mastfoot with quick release on all alpha epoxy boards**

Top quality materials and flawless technique ensure that the alpha mastfoot is not only extremely tough, but also easy to handle. Through the extra low fixture point for the luff tensioner, the sail trims perfectly with the board surface. This increases the effectiveness of the sail and prevents the irritating endplate effect (pressure compensation at clew). The luff tensioner can now be stowed away in an opening in the mastfoot upper part. Two cleats have been designed into the mast to provide easier rigging from both sides. As these cleats do not protrude, there can be no damage to the deck.

**New alpha Footstraps. A revolutionary new alpha development.**

The new alpha footstraps can be adjusted simply and quickly – no more awkward fumbling. The inner strap and neoprene cover need no longer be opened in order to adjust the strap length.

**alpha Accessories. High quality. Practical. Fashionable.**

Now you can buy matching accessories to the latest alpha boards. In vogue with alpha design. Practical, high quality workmanship.

**ALPHA TRAVEL-BAG**  
Always useful. With an extra inner pocket, large side compartments, spacious front pocket and wide shoulder straps + hand straps.  
65 cm x 30 cm x 30 cm  
45 cm x 30 cm x 30 cm

**ALPHA SAIL-BAG**  
for 4 to 6 sails. Robust nylon with reinforcing straps and adjustable shoulder strap.

**ALPHA RUCKSACK**  
For the "little things" of surfing. With extra inner pocket and separate outside pocket.



**ALPHA WALLET**  
with lots of compartments, and credit card case.

**COMBI-CITY-BAG**  
for holidays or business trips. With a removable "Briefcase". Lots of compartments and comfortable shoulder straps and hand straps.

**ALPHA DUFFLEBAG**  
(no picture) for your trip to surf paradise. With comfortable shoulder straps and separate base bag.

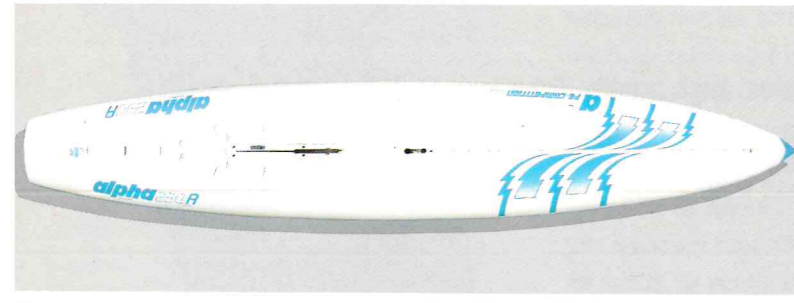
**ALPHA TRAPEZE**  
(no picture) Superlight with optimal freedom of movement for even more speed fun.

**ALPHA MAST PROTECTOR**  
robust padded nylon for optimal mast protection.

**ALPHA SERVICE CASE**  
Double zipped case with removable plastic compartment tray for parts, inner pocket for skegs and separate document compartment. Size approx. 35 cm x 25 cm



# Boards



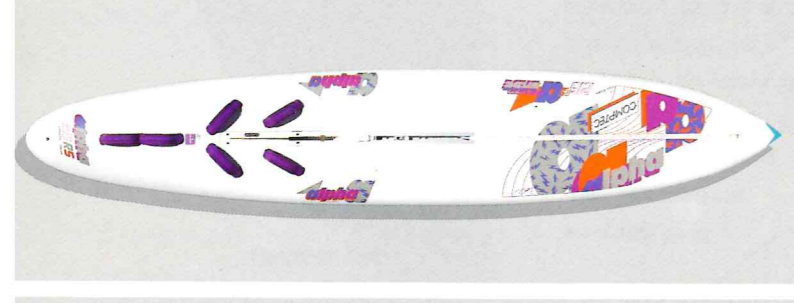
**230 A**  
 alpha CompTec with alpha Competition Base (ACB) and a 5 years limited warranty\*  
 Volume: 230 liters  
 367 x 67 cm (12'0" x 26.5")  
 approx. 20 kg (44 lbs)  
 Shape: rounded squashtail, V throughout, slight double concave  
 Equipment:  
 alpha safety mastfoot  
 Retractable daggerboard  
 6 footstrap positions\*\*  
 1 race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

21% 62% 17%



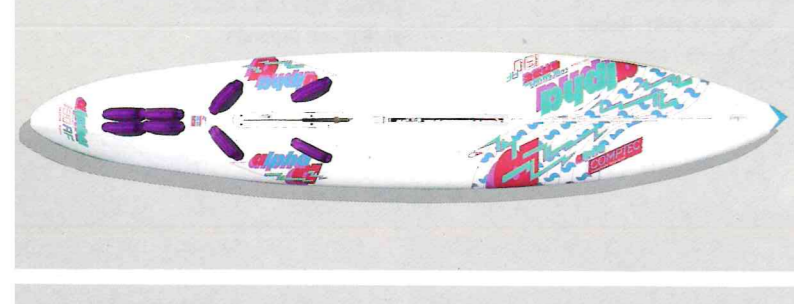
**215 RS**  
 alpha CompTec with alpha Competition Base (ACB) and a 5 years limited warranty\*  
 Volume: 215 liters  
 355 x 66.5 cm (11'8" x 26")  
 approx. 20 kg (44 lbs)  
 Shape: rounded pintail, box rails, bevels bow; flat V, middle: double concave, stern: flat V  
 Equipment:  
 alpha mastrail (adjustable to 240 mm)  
 alpha mastfoot system, Large retractable daggerboard, alpha alu-skegbox  
 6 footstraps  
 1 race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

30% 55% 15%



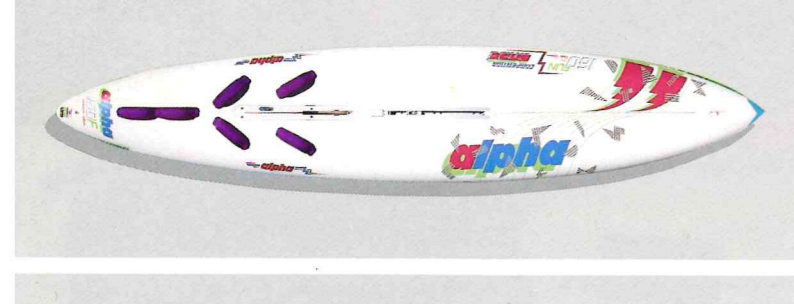
**190 AF**  
 alpha CompTec with alpha Competition Base (ACB) and a 5 years guarantee\*  
 Volume: 190 liters  
 350 x 66 cm (11'5" x 26")  
 approx. 18 kg (40 lbs)  
 Shape: Full rails, tucked-under-edges throughout, with sharp edges, squared Pintail  
 Underwater Shape: Triple concave, leading into quadruple concave bow.  
 Equipment:  
 Long alpha Mastrail (adjustable to 420 mm)  
 alpha mastfoot system, alpha retractable daggerboard, alpha alu-skegbox  
 8 footstraps, 1 race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

28% 59% 13%



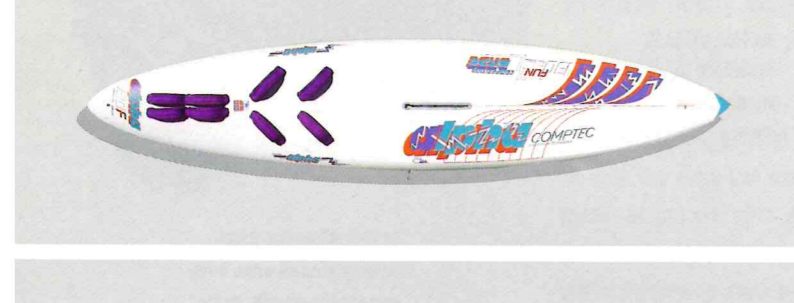
**160 F**  
 alpha CompTec with alpha Competition Base (ACB) and a 5 years warranty\*  
 Volume: 160 liters  
 330 x 66.5 cm (10'10" x 26")  
 approx. 16 kg (35 lbs)  
 Shape: Pintail winger, bevels, tucked-under-edges  
 bow: flat V, middle: double concave, stern: flat V  
 Equipment:  
 alpha rail (adjustable to 340 mm)  
 alpha mastfoot system, alpha retractable daggerboard, alpha alu-skegbox  
 6 footstraps, 1 race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

33% 57% 10%



**130 F**  
 alpha CompTec with alpha Competition Base (ACB) and a 5 years guarantee\*  
 Volume: 130 liters  
 295 x 63 cm (9'8" x 25")  
 approx. 11.5 kg (25 lbs)  
 Shape: Pintail  
 Underwater shape: double concave throughout  
 Equipment:  
 alpha maststep system for skegbox  
 alpha mastfoot system  
 alpha alu-skegbox  
 8 footstraps  
 1 race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

31% 59% 10%



**120 SL**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 120 liters  
 290 x 59.5 (9'6" x 23.5")  
 approx. 10 kg (22 lbs)  
 "light version": approx. 8.6 kg (17.5 lbs)  
 Shape: Pintail  
 Underwater shape: triple concave, Panel-V in bow and acceleration area  
 Equipment:  
 alpha mast step system for skegbox  
 alpha mastfoot system with quick-release  
 alpha alu skegbox with shock absorber  
 3 footstraps and 1 wide speed strap\*\*\*  
 1 GFK Slalom skeg, Softdeck as option

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

30% 61% 9%



**105 SL**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 105 liters  
 270 x 57.5 cm (8'10" x 22.5")  
 approx. 9 kg (20 lbs)  
 "light version": approx. 7.9 kg (17.5 lbs)  
 Shape: Pintail  
 Underwater shape: triple concave, Panel-V in bow and acceleration area  
 Equipment:  
 alpha mast step system for skegbox  
 alpha mastfoot system with quick-release  
 alpha alu skegbox with shock absorber  
 2 footstraps and one wide speed strap\*\*\*  
 1 GFK Slalom skeg, Softdeck as option

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

30% 61% 9%



**85 W**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 85 liters  
 265 x 57 cm (8'8" x 22.5")  
 approx. 8.5 kg (19 lbs)  
 Shape: rounded pintail, triple concave (moderate)  
 Equipment:  
 alpha mast step system for skegbox  
 alpha mastfoot system with quick-release  
 alpha alu skegbox with shock absorber  
 2 footstraps and one wide speed strap\*\*\*  
 1 GFK Slalom skeg  
 Softdeck as option

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

33% 57% 10%



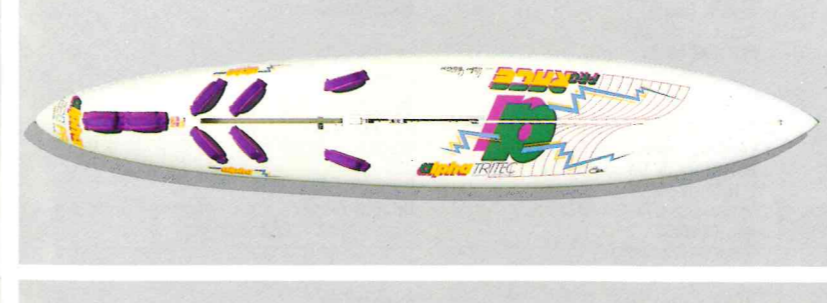
**60 N**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 60 liters  
 275 x 43 cm (9'0" x 17")  
 approx. 6.5 kg (14 lbs)  
 Shape: Needle-Pintail, multi-concave  
 Equipment:  
 alpha maststep system for skegbox (with 26 cm trim area)  
 alpha mastfoot system  
 alpha alu skegbox with shock absorber  
 2 footstraps and 2 wide speed straps  
 1 GFK Speed skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

28% 63% 9%



**220 PR**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 220 liters  
 370 x 65.5 cm (12'1" x 26")  
 approx. 16 kg (35 lbs)  
 "light" version: approx. 13.5 kg (29 lbs)  
 Shape: Pintail, Box Rails  
 bow and middle: triple concave  
 stern: flat bottom with speed step  
 Equipment:  
 Long alpha rail (adjustable to 420 mm)  
 alpha mastfoot system, large wooden regatta daggerboard, alpha skegbox with shock absorber, 6 footstraps and 2 wide speed straps, 1 GFK race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

36% 53% 11%



**195 PR**  
 alpha Epoxy with 2 year guarantee\*  
 Volume: 195 liters  
 370 x 65 cm (12'1" x 25.5")  
 approx. 15 kg (33 lbs)  
 "light" version: approx. 13 kg (28.5 lbs)  
 Underwater shape: triple concave throughout  
 Equipment:  
 Long alpha mastrail (adjustable to 570 mm)  
 alpha mastfoot system with quick-release  
 Large wooden regatta daggerboard  
 alpha alu skegbox with shock absorber  
 6 footstraps and 2 wide speed straps  
 1 GFK race skeg

Suitable:  
 for surfers of Surf Grade 1-6

1	2	3	4	5	6

Volume distribution:

36% 54% 10%

\* In accordance with the international alpha guarantee stipulations  
 \*\* Footstraps available as optional extra  
 \*\*\* with extra footstrap positions on board for more comfort  
 Errors and technical changes excepted. All weights: hull weight without equipment.

**Key**

4 marks: very good	3 marks: good	2 marks: average	1 mark: satisfactory

○ no marks: not satisfactory