



SUP FINS

RACING, TOURING & SURFING.

RAY24

TIGER21

CONDOR18

SONIC18

MALIKO21

LITE CORE TECH 9.45" / 279.0" / 43.2" / 45° SURFING TECH 8.27" / 229.0" / 35.5" / 45° SURFING CORE TECH 7.09" / 182.0" / 28.21" / 45° SURFING TECH 7.09" / 183.0" / 29.9" / 45° SURFING CORE TECH 8.27" / 223.0" / 34.6" / 45° SURFING

ALOHA & WELCOME

I am excited to share Black Project's 2022 collection of high-performance SUP fins for racing, surfing and recreational paddling. Each one of these innovative products has been meticulously designed and tested to ensure the highest quality and ultimate on-water performance.

We believe every paddler, regardless of skill level, benefits from lighter, stronger and more efficient fins. With a lethal combination of cutting-edge technology and real-world feedback from an elite team of professional athletes, we are able to better design every fin we produce. The result is a fin collection that delivers superior speed, stability, maneuverability and unmatched quality--a paddling experience that can only come from Black Project.

Throughout the pandemic, we've refocused our energy on product development. With competitive racing slow to return, the past year has given us unprecedented access to team athlete Connor Baxter here in Maui. Over the past year, we've collaborated extensively with Connor and utilized his expert insight and testing more than ever. As a result, we will be launching three all-new innovative fin designs in 2022.

The Ray v2 and Tiger v2 replace the legacy models, while the physical design of the Condor, Maliko and Sonic v2 have remained unchanged. The all-new Vector fin represents a totally new concept for standup paddling--asymmetric fin design--ideal for the growing discipline of short course sprinting. The collection also gets a visual makeover with enhanced graphics that offer a clean and cohesive look.





The new Ray v2 replaces our best-selling design and has been carefully refined based upon countless hours of research, development and detailed feedback from Connor Baxter. The Ray v2 has been updated to feature our new deep foil concept, which enhances tracking and stability while also improving fin fit on a range of boards. Additionally, the new curved outline more effectively sheds weed and trash, while simultaneously improving foot steering. All together, these new features produce that unrivaled tracking and stability you've come to expect from Black Project, but now with more speed, better maneuverability, and improved weed shedding. This design is a big upgrade over previous models, and we can't wait to hear your feedback.

The new Tiger v2 replaces the most successful fin in competitive racing history. The top choice for many athletes as a reliable flatwater race fin, the Tiger blends the tracking of our bigger fins with the speed and efficiency of the smaller Condor. The new higher aspect outline, reduced cord length and optimized foil have led to improved maneuverability and speed. This fin is a favorite of our team due to its ease of use, especially on narrow race boards.

The all-new custom Vector fin shatters

the norms of traditional SUP fin design by enabling racers to concentrate their power on their favored side, reducing or eliminating the need to swap paddle sides and lose valuable time. The asymmetric design counteracts the force of the paddle to create a stable course, so you concentrate on maximum cadence. We have a left and right version to suit all paddlers. For example, paddling on your left side will naturally make the board veer to the right, but this fin will correct your course to get you across the line faster. This fin was first used at the 2021 ICF Worlds in Hungary. Due to the extremely specialist nature of this fin, it will be made in small quantities.

As we near the end of our 11th year, I am incredibly proud and thankful for our continued opportunity to enhance the sport of standup paddling. We will continue working to secure our long-term success by testing the limits of innovation; while simultaneously reducing our impact on the environment and operating in a socially conscious way.

We'll see you on the water.

Chris Freeman
Founder, Black Project Hawaii

11+ YEARS OF INNOVATION AND PERFORMANCE

In mid-2010, Black Project originated from humble beginnings as a backyard project for co-founders Chris Freeman and Tom Hammerton. The goal was simple: Build a better windsurfing fin.

More than a decade later, that original passion for performance has grown into an obsession with innovation - both in windsurfing and standup paddling. And while we love seeing our athletes set world records and win world titles – 21 and counting - what truly inspires us is YOU.

We want YOU to experience that same stoke and love for watersports that inspired us to make our first fin over a decade ago. This is our story and we welcome you to join our ohana.

CHRIS FREEMAN
FOUNDER BLACK PROJECT HAWAII





BETTER TECHNOLOGY, BETTER PEOPLE, BETTER PERFORMANCE

At Black Project, we don't subscribe to guesswork or gut-feeling when it comes to building high-performance equipment. Instead, we invest in cutting-edge technology and world-class athletes to ensure our paddle and fins are second-to-none.

Our design process begins with a suite of sophisticated computer software which allows us to develop new prototypes through careful CFD analysis (computational fluid dynamics). To improve our testing capabilities, we use a high-tech 3D printer to do all of our prototyping for both fins and paddles. The Condor - was the first fin to have been fully designed and tested using a 3D printer from start-to-finish. We have continued to enhance this capability and that has enabled us to push the boundaries further. 3D printing was instrumental in the development of the new fin models. We can now conceive, design, print and test new fins and paddles inside 7 days, previously this would have taken two to three months.

To ensure our paddles and fins deliver optimal performance, we collaborate with elite paddlers – including world champions Connor Baxter, Arthur Arutkin and Seychelle Webster - to test and provide feedback about our newest prototypes. And as a perk of being located on Maui's north shore, our backyard is our testing grounds.

A BRAND FOR EVERY PADDLER

We understand the future of standup paddling is dependent upon the next generation of paddlers - both young and old. We are ready to meet that challenge and provide top-of-the-line equipment to all paddlers.

While the Pandemic has led to unforeseen challenges, we have adapted, overcome and grown as a company. In light of circumstances, it has reaffirmed our steadfast commitment to helping all paddle enthusiasts reach their health, wellness and paddling goals with elite equipment.

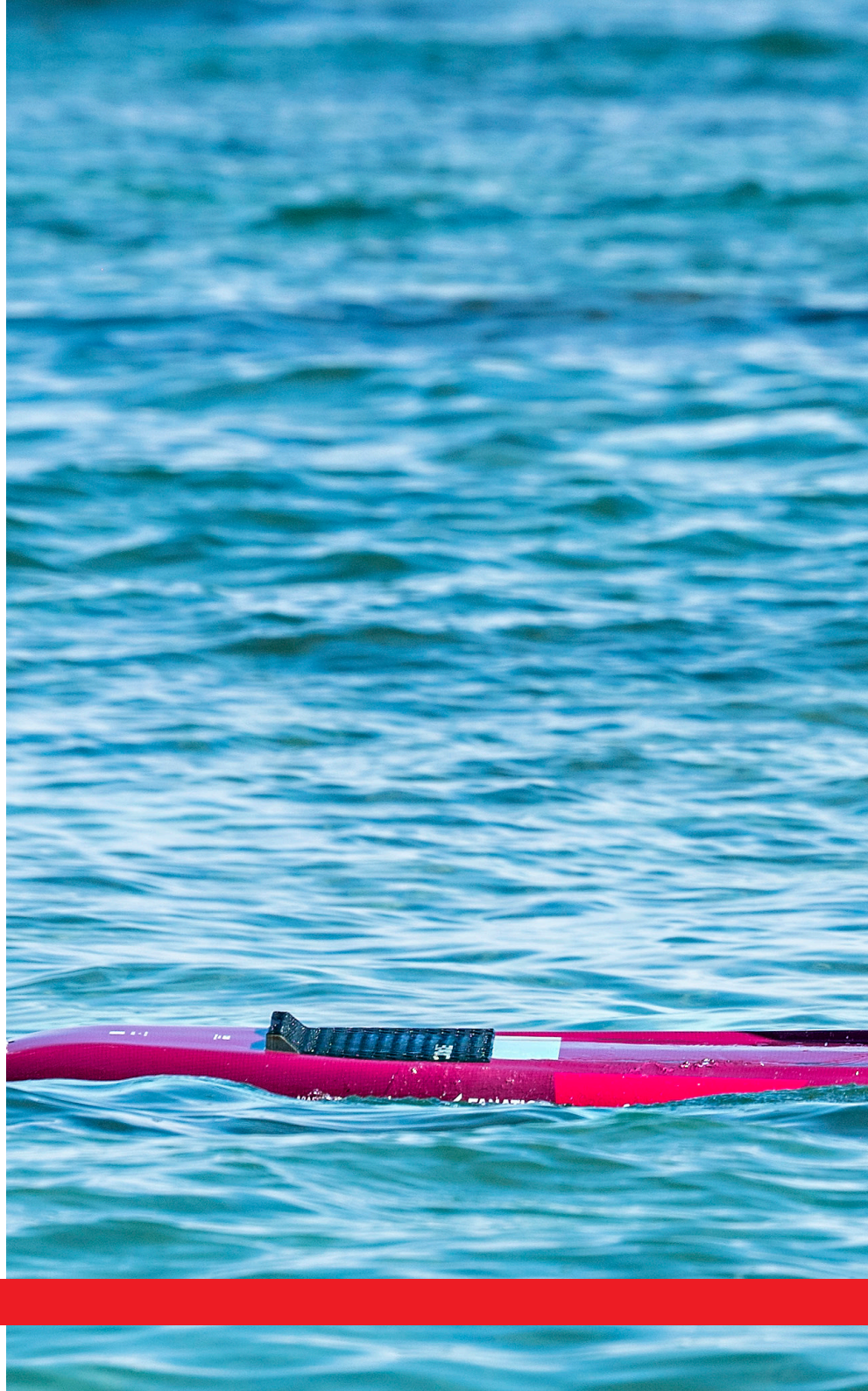
For the 2022 season, we will continue to push the innovation envelope, reduce our impact on the environment and operate in a socially conscious way.

SUP FINS DESIGNED AND BUILT TO TUNE AND ENHANCE BOARD PERFORMANCE.

Designed to excel in a range of paddling conditions Black Project SUP fins are fast, efficient, and lightweight. Built from ultra-light carbon with LiteCore technology, these are the lightest SUP fins ever built.

Fins have a huge influence on your board's characteristics and performance. Our goal is to help paddlers fine tune their performance and enhance the characteristics of their board for various SUP disciplines including racing, touring and surfing. Even if you paddle on an inflatable SUP, our fins will help you achieve maximum performance and enjoyment while on the water.

Black Project fins are the top choice for both elite and amateur SUP athletes worldwide. In fact, our athletes have shattered world records, racked up world titles, and amassed countless international, national and regional victories in racing, surfing, and endurance paddling. The Black Project Advantage is undeniable, are you ready to perform?





ARTHUR ARUTKIN
WORLD CHAMPION STANDUP PADDLER

FINS FOR FLAT-WATER TOURING & RACING

These fins are designed for flat-water touring and racing, ranging from cruising your local lake to hammering out a 200-meter sprint. Finding the right combination of tracking, stability, speed and maneuverability will optimize your performance on the water.



SEYCHELLE WEBSTER
WORLD CHAMPION STANDUP PADDLER



BEST FOR: INTERMEDIATE PADDLERS | STABILITY | TRACKING | GLIDE

RAY

The Ray is a SUP racing and touring fin designed to improve board stability and tracking. Ideal for intermediate paddlers and those looking to progress on narrower boards, this is the biggest fin we make and it utilizes an increased depth, greater surface area, and our new Deep Foil Concept for an easier paddling experience. Best-suited for flat and choppy water, the Ray keeps you upright and allows you to focus on improving your form. You're not fast if you're falling off, but the Ray keeps the wobbles at bay.

KEY FACTS:

- A big fin with a thicker foil (24cm / 9.45" & 279cm² / 43.25 in²).
- Designed for intermediate paddlers and those new to narrower boards.
- Deep Foil Concept (DFC) increases tracking and stability.
- Ideal upgrade for many touring and race orientated inflatable boards.
- Increased foil and surface area enhances tracking and stability, ideal for windy and rough paddling days.
- Complete with premium fin case, fin screw, leash string and board sticker.


BEST FOR:

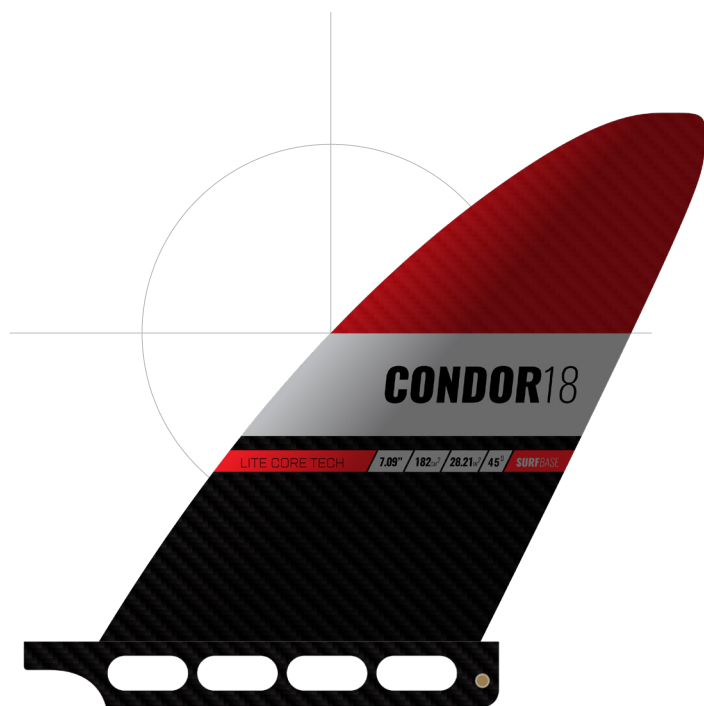
PROFESSIONAL PADDLERS | ADVANCED PADDLERS | BUOY
TURNING | FLAT WATER RACING

TIGER

The Tiger is a SUP racing fin designed for situations where speed, tracking and quick buoy turns are important. Ideal for advanced and professional paddlers, this is the fin you want if you're looking to improve performance or get better race results. This medium-sized fin uses a narrow cord and fast foil to increase speed and turning power, while still maintaining excellent tracking. Ideally suited for flat and choppy water, the Tiger is widely used by racers due to its impressive all-round performance. If podiums are what you want, this is your secret weapon.

KEY FACTS:

- A medium-sized fin with a thinner foil (21cm / 8.27" & 229cm² / 35.5 in²).
- Designed for advanced and professional paddlers comfortable on narrow race boards. The most used fin by elite paddlers on the professional circuit.
- Reduced Cord Concept (RCC) enables increased speed and turning power, without sacrificing tracking.
- Built for fast paddling and aggressive buoy turns, ideal for flat water racing.
- Excellent blend of tracking, speed and maneuverability.
- Complete with premium fin case, fin screw, leash string and board sticker.


BEST FOR:

PROFESSIONAL PADDLERS | SPEED | BUOY TURNING | SHALLOW WATER

CONDOR

The Condor is a SUP racing fin designed for maximum board speed and agility. Ideally suited for advanced and professional paddlers, this is the fin for those who aren't afraid to push the limits. The smallest fin we make, the Condor utilizes reduced depth, smaller surface area and our Reduced Cord Concept to enable maximum paddling speed, without sacrificing too much tracking. Best suited for flat water and calmer days, it's the fastest fin on the market. But be warned, due to its size the Condor is not for everyone.

KEY FACTS:

- A very small fin (18cm / 7.09" & 182cm² / 28.21 in²).
- Designed to give professionals athletes a competitive edge.
- Reduced Cord Concept (RCC) enables increased speed and faster turning without sacrificing tracking.
- Short fin base increases positional tuning options, even on boards with short fin boxes.
- Developed by multi-time SUP Racing World Champion Connor Baxter, with additional input from Seychelle Webster, Martin Vitry, Fiona Wylde and other elite paddlers.
- Complete with premium fin case, fin screw, leash string and board sticker.



BEST FOR: PROFESSIONAL PADDLERS | TRACKING | MAX SPEED | 200m SPRINT RACING

VECTOR

The Vector is a SUP racing fin specifically designed for the increasingly popular discipline of sprinting. Ideal for professional paddlers in competition and recreational paddlers looking to achieve maximum velocity over a short distance--this fin is the equivalent of nitro in drag racing. The asymmetric foil design stops the board from veering off-course, enabling athletes to complete a full 200-meter race on their dominant side, without the need to switching sides. This medium-sized fin uses slightly more surface area and depth compared to the Condor, which helps paddlers maintain balance during explosive starts. Ideally suited to racing in lanes at major national and international paddling events, this cutting-edge design concept is focused on one ultimate goal – winning an Olympic gold medal.

KEY FACTS:

- A medium-sized fin with an asymmetric foil (20.5cm / 8.07in & 229cm² / 35.5 in²).
- Designed for professional paddlers competing in short course sprint events.
- Asymmetric Sprint Concept (ASC) corrects board tracking.
- Asymmetric foil enables athletes to eliminate switching sides while paddling.
- Left- and right-orientated versions.
- Developed by multi-time SUP Racing World Champion Connor Baxter.
- Complete with premium fin case, fin screw, leash string and board sticker.

FINS FOR DOWNWIND & OCEAN RACING

In conditions where the fastest line depends on wind, waves and current, these fins enhance the surfing characteristics of your race board so you can maintain better flow and speed while successfully catching and riding swells.





CONNOR BAXTER
WORLD CHAMPION STANDUP PADDLER



BEST FOR:

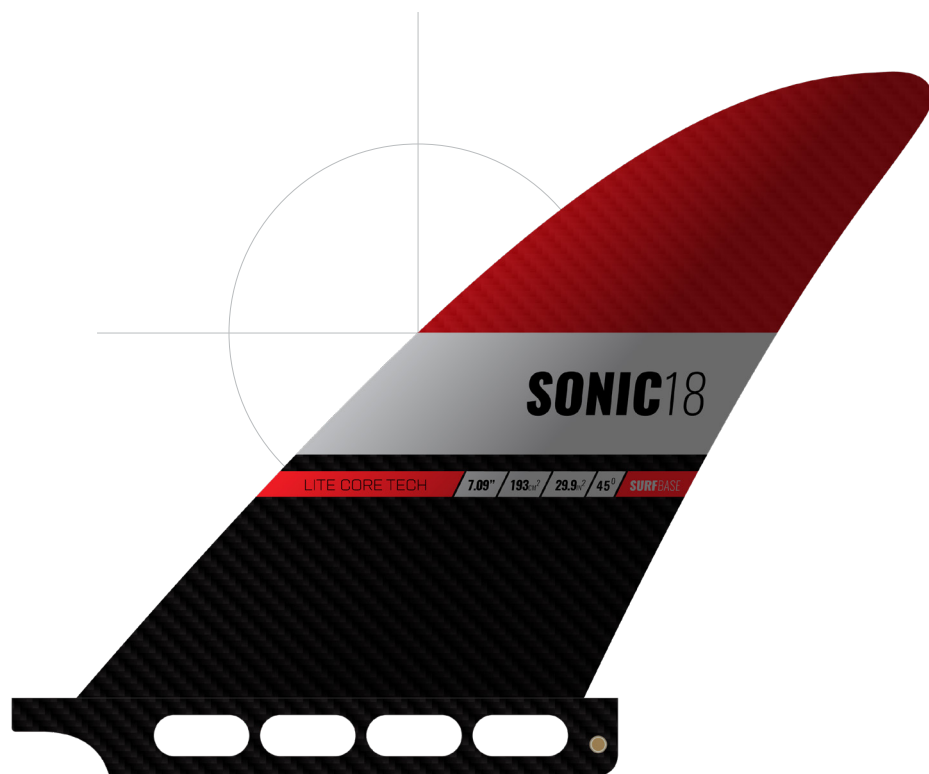
INTERMEDIATE PADDLERS | ADVANCED PADDLERS |
DOWNWIND PADDLING | RIVERS | WEEDY LOCATIONS

MALIKO

The Maliko is a SUP racing and downwind fin designed to improve board maneuverability and glide. Ideal for intermediate-to-advanced paddlers looking to develop their downwinding skills, this medium-sized fin utilizes a surfing-inspired curved outline with a narrow cord and medium foil to help paddlers ride and connect swells. While best suited for downwind conditions, this fin also works great in large rivers with a strong flow. Achieving a faster board speed isn't just about paddling harder, but being able to utilize the flow of the ocean. The Maliko makes it possible to not only go faster, but more importantly, to have more fun.

KEY FACTS:

- Medium-sized fin (21cm / 8.27" & 223cm² / 34.6 in²).
- Designed for intermediate and advanced paddlers in ocean and downwind conditions.
- Progressive Surf Concept (PSC) for easy carving and control while riding swells.
- Great for long, flowing glides on swells.
- Short fin base increases positional tuning options, even on boards with short fin boxes.
- Complete with premium fin case, fin screw, leash string and board sticker.


BEST FOR:

ADVANCED PADDLERS | PROFESSIONAL PADDLERS | SPEED |
DOWNWIND RACING | SHALLOW WATER | WEEDY LOCATIONS

SONIC

The Sonic is a SUP racing and downwind fin designed to maximize board maneuverability and speed. Ideal for advanced and professional paddlers looking to enhance their flow on downwinders, this small fin utilizes a surfing-inspired curved outline with a narrow cord and thinner foil to help paddlers ride and connect swells at speed. Ideally suited to downwind conditions, this fin also performs well in technical surf races, shallow water and rivers with a strong flow and debris. In situations when the fastest racing line is not a straight line, the Sonic enables you to seek out and connect the fastest bumps, waves and sections of flowing water.

KEY FACTS:

- A small fin (18cm / 7.09" & 193cm² / 29.9 in²).
- Designed for advanced and professional paddlers in downwind and surf races.
- Progressive Surf Concept (PSC) for easy carving and control on swells.
- Surfing-inspired outline maximizes agility and flow in ocean racing.
- Short fin base increases positional tuning options, even on boards with short fin boxes.
- The small size, surfing orientated outline and narrow cord make this fin ideal for rapid changes of direction.
- Complete with premium fin case, fin screw, leash string and board sticker.

	RAY21	TIGER21	CONDOR18	VECTOR18
Designed For:	Flatwater	Flatwater	Flatwater	Flatwater
Best For:	When you need extra stability, tracking & glide; excellent in choppy conditions & longer distances.	Ideal for a wide range of racing on flat water courses with multiple buoy turns.	Maximum agility & speed for professional paddlers.	Maximum velocity over a short distance.
Suitable For:	Intermediate paddlers.	Advanced to professional athletes.	Professional athletes.	Professional athletes.
Depth (cm/in)	24 / 9.45	21 / 8.27	18 / 7.09	20 / 7.88
Area (cm ³ / in ²)	279 / 43.2	229 / 35.5	182 / 28.21	229 / 35.5
Cord (cm / in)	14.5 / 5.7	13.5 / 5.3	13 / 5.12	14.6 / 5.75
Fin Base (cm / in)	16.5 / 6.5	15.5 / 6.10	15.5 / 6.10	16.5 / 6.5
Leading Edge (degrees)	45°	45°	45°	45°
Foil Type	Symmetrical	Symmetrical	Symmetrical	Asymmetrical Port and Starboard versions
Construction	LiteCore Technology	LiteCore Technology	LiteCore Technology	LiteCore Technology
Weight (gr / oz)	200 / 7.05	150 / 5.29	140 / 4.94	150 / 5.29
Warranty	1YR	1 YR	1 YR	1 YR





FIONA WYLDE
WORLD CHAMPION STANDUP PADDLER

	MALIKO21	SONIC18
Designed For:	Downwind	Downwind
Best For:	Ocean & downwind racing where you can take advantage of the wind & flow.	Maximum agility & speed in ocean, surf & downwind racing.
Suitable For:	Intermediate to advanced paddlers.	Expert to professional athletes.
Depth (cm/in)	21 / 8.27	18 / 7.09
Area (cm3 / in2)	223 / 34.6	193 / 29.9
Cord (cm / in)	14 / 5.5	14.5 / 5.7
Fin Base (cm / in)	16.5 / 6.5	16.5 / 6.5
Leading Edge (degrees)	45°	45°
Foil Type	Symmetrical	Symmetrical
Construction	LiteCore Technology	LiteCore Technology
Weight (gr / oz)	175 / 6.17	150 / 5.29
Warranty	1 YR	1 YR



SUP RACING FIN PERFORMANCE RATINGS

	RAY21	TIGER21	CONDOR18	VECTOR18	MALIKO21	SONIC18
Professional Paddlers	5	10	10	10	5	10
Advanced Paddlers	8	10	7	7	10	8
Intermediate Paddlers	10	5	3	3	8	3
Stability	10	6	5	7	8	5
Tracking	10	7	5	10*	8	5
Glide	10	8	5	8	8	6
Speed	7	9	10	10	8	10
Buoy Turning	7	10	10	10	8	10
Weedy Water	8	8	10	8	10	10
Shallow Water	6	9	10	9	7	10

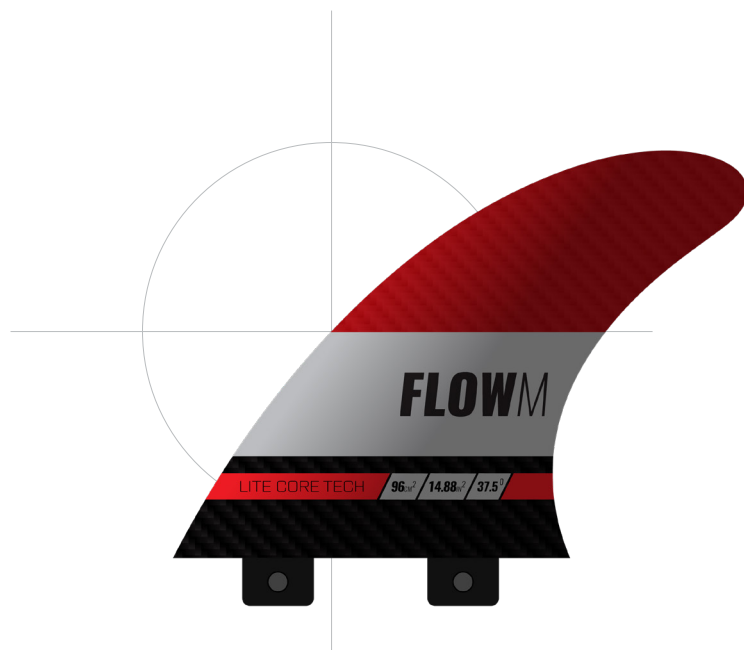
FINS FOR SUP SURFING

Whether you surf a mushy point break or barreling lefts, these fins are designed to accentuate the characteristics of your SUP surfboard. By adapting the ride characteristics of your board, you can be more in tune so you can surf with confidence and style.





BERND ROEDIGER
MAUI WATERMAN



BEST FOR: CARVING TURNS | MAINTAINING FLOW | POINT BREAK WAVES

FLOW

The Flow thruster fins were designed to deliver fast and flowing turns. Ideal for advanced and professional SUP surfers looking to carve open-faced, shallower sloping or point break waves, these fins help you maintain momentum through flatter and less critical sections. The laid-back template with 37.5° of rake (sweep) increases hold and promotes powerful carving turns by helping you engage and flow between sections. This thruster setup was originally developed for Hawaiian waterman Bernd Roediger, who wanted a set of fins to enhance his elegant SUP surfing style. For surfers looking for long rides that ooze with style and flow, these fins will help you engage your rail and feel the power of the ocean.

KEY FACTS:

- SIZES: SMALL (88cm²), MEDIUM (96cm²) & LARGE (102cm²).
- Designed for advanced and professional paddlers.
- Laidback 37.5° of rake (sweep) for increased flow.
- Best suited for flowing carves.
- Great for point breaks.
- Complete with premium fin case, fin key, leash string and board sticker.



BEST FOR: TIGHT SNAPPY TURNS | FAST WAVES | BEACH BREAKS

STRIKE

The Strike thruster fins were designed to deliver fast, tight turns in steep, critical sections. Ideal for advanced and professional SUP surfers, the upright nature of these fins with 32.5° of rake (sweep) increases pivot for fast and snappy turns, especially when navigating hollow waves and beach breaks. The option of a quad setup extends the range of your board to provide a secure feel, ideal for bigger waves. These were originally developed for world champion Hawaiian waterman Zane Schweitzer, who wanted a set of fins to enhance his explosive and progressive SUP surfing style. For surfers looking to perform aggressive turns and maneuvers, these fins will help increase your speed and dare you to smack the lip.

KEY FACTS:

- SIZES: SMALL (89cm²), MEDIUM (94cm²), LARGE (99cm²)
- Designed for advanced and professional paddlers.
- Upright 32.5° of rake (sweep) for increased pivot.
- Best suited for snappy turns.
- Great for fast, critical waves and beach breaks.
- Quad option for increased grip in bigger waves or for boards with wider tails.
- Complete with premium fin case, fin key, leash string and board sticker.

SUP SURFING FIN COMPARISONS

	STRIKE	FLOW
Best For	Faster, tighter turns in critical sections. Ideal for beach breaks.	Flowing turns on open faces. Ideal for point breaks.
Sizes	L / M / S	L / M / S
Rake (degrees)	32.5°	37.5°
Thruster Option	Yes	Yes
Quad Option	Yes	No
Five Fin Option	Yes	No
Foil Type	Asymmetrical front fins with flat inside foil combined with symmetrical rear. Quad rears have asymmetrical foil.	Asymmetrical front fins with flat inside foil combined with symmetrical rear.
Base Options	FCS / Futures / US / Longboard (Bahne)	FCS / Futures / US / Longboard (Bahne)
Construction	Ultralight Carbon with LiteCore	Ultralight Carbon with LiteCore
Weight (gr / oz)	From 115 / 4	115 / 4
Warranty	1 YR	1 YR



RACE FIN CASE

The Fin Case is a padded organizer which has space for two fins, a hidden pocket, and a separate mesh pocket for screws and small items. Ideal for all paddlers, this case is can also house small laptops and tablets.

KEY FACTS:

- 2 padded sleeves.
- Velcro closure.
- Internal mesh pocket for small accessories.
- External pocket.
- Ideal size for iPad and small laptop, fits Apple MacBook Pro 13" and iPad Pro 12.9"
- Ideal for travel.
- Built with low absorption polyester and nylon.

FIN TECHNOLOGY

LiteCore Technology

Black Project fins are hand laminated in a mold using high-quality carbon laminate and a carbon and resin infused foam core. This construction produces a strong and lightweight fin with solid stiffness. Each fin is hand-finished and must pass a rigorous quality-control process.

Deep Foil Concept (DFC)

By moving the max foil point away from the base and into the center of the fin, the effective foil sits deeper in the water. Moving the foil increases the keel effect, which enhances stability. A thinner base to the fin also makes the fin fit easier across a range of boards.

Reduced Cord Concept (RCC)

By combining enhanced foils with a shorter fin cord, we have been able to increase maneuverability and speed without sacrificing tracking. Thanks to the use of RCC, the shorter base enables you to adjust the position of the fin for more tuning options.

Asymmetric Sprint Concept (ASC)

By using an asymmetric foil, the fin counters the lateral forces applied from paddling and converts them into forward motion. The foil is both asymmetric in terms of the foil and angle of attack.

Progressive Surf Concept (PSC)

Inspired by traditional surfing, the progressive surf concept combines fast foils with the familiar curve of surf fins. The result is a fin that is lightning fast and turns well. This combination is designed to improve board agility and control in downwind and surf race conditions. This concept is used on the Maliko and Sonic designs.

FIN RESOURCES

[5-step guide to choosing the right SUP race fin.](#)

[Choosing a SUP race fin with Connor Baxter.](#)

[5 ways SUP race fins affect handling and performance.](#)

FIN BOX TYPES



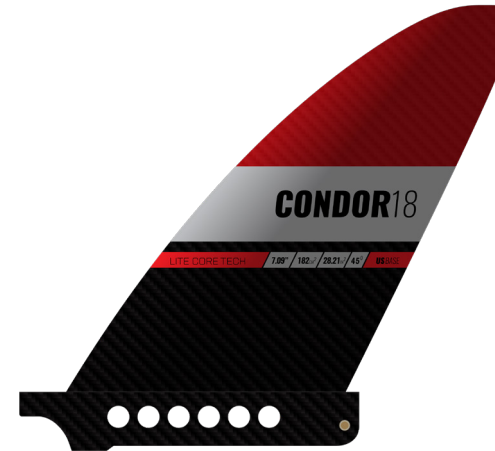
FCS

A long-time industry standard for surf boards, FCS, or twin tab fin boxes are lightweight, inexpensive and versatile. The fin is secured with two small screws from the side. While a little lighter than the Futures system they are not as strong. Often paired with a Bahne rear box for more adjustment.



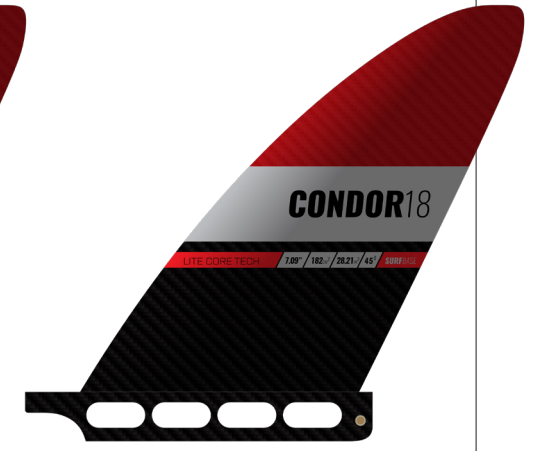
Futures

The rival to the FCS system, these fin boxes are stronger but heavier than the twin tab system. The cant is built into the fin rather than the box which allows for more tuning options. Futures boxes have become more popular in recent years for SUP surf boards and are often paired with a Bahne rear box for more adjustment.



US

Developed by windsurfers in 80s who needed a stronger box for bigger fins and increased forces. The box is deeper, wider and has more reinforcement than the Bahne box, but is also heavier. The US style box is used by many big brands which typically have a windsurfing heritage.



Bahne/Longboard/Surf

The long-time industry standard surfboard center fin box. The Bahne box is thinner, shallower, and lighter than the US box however it is not as strong. Many brands incorrectly refer to this as a US box. It is typically used in Longboards, Single Fin Surfboards, and on many brands of Standup Paddleboards which have a surfing or non-windsurfing heritage.

PADDLER CLASSIFICATION

During our discussion and recommendations, we talk about three types of paddlers--intermediate, advanced and professional. Let's clarify what skill levels we're referring to:

Intermediate

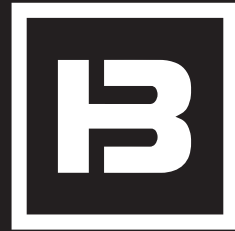
Those who have paddled a fair amount, but are progressing onto racing and touring style boards that are narrower and more challenging to paddle than beginner round nose boards. If you're SUP surfing, you are still likely on a larger board. If you can paddle a good distance, but tracking and stability are skills you want to work on, then you're probably in this category of paddler.

Advanced

These paddlers have completed a lot of paddling miles and are the biggest group in terms of classification. Advanced paddlers will be using narrower race boards or smaller SUP surfboards, but occasionally still need help with stability or tracking, especially in windy or choppy conditions.

Professional

These paddlers are extremely experienced in a range of conditions. They will be comfortable on narrow race boards or small SUP surfboards in any weather conditions. The focus for these paddlers will likely be increased speed for racing, and improving the quality of turns for surfing.



UNDERSTANDING WATER