

1995 -- Apollo embraces Nature's Wing Split-Fin™ concept. Our team immediately gets to work testing design options and building prototypes

1998 -- Apollo introduces split-fin technology to diving

1999 -- "Tester's Choice"
Bio-fin: Pro Black & Elastomer Eco

2000 -- "Tester's Choice" & "Best Overall"
Bio-fin: Pro Black & Polyurethane EX

Other brand split-fins become available

2001 -- "Tester's Choice"
Bio-fin: Pro Metallic Silver

2002 -- "Tester's Choice" & "Best Overall"
Bio-fin: Pro Metallic Blue

2003 -- "Tester's Choice" & "Best Overall"
Bio-fin: Pro Black & Pro XT

Apollo introduces Bio-fin C-series
1st split-fin built with a spring strap

2004 -- "Tester's Choice" & "Best Overall"
Bio-fin: Pro Yellow & Pro C-series XT

2005 -- "Tester's Choice"
Bio-fin: Pro C-series Yellow

2007 -- "Tester's Choice"
Bio-fin: Pro C-series White

FYI -- Awards & Quotes: Rodale's Scuba Diving Magazine & Scuba Lab Annual Fin Review
"Best Overall" reference retired in late 2004
Annual review not held in 2006/2008/2009

FAQ -- Read on. Learn more about how the fin works, as well as which model and size will work best for you.

POV -- Visit www.diveapollo.com for additional test data, video clips, links to Nature's Wing, discussion boards, and more.

"may fit like your favorite slipper...
outraced all comers on speed test, muscled
top score out of thrust, and easily dusted the
competition on slalom and efficiency courses"

Scuba Diving Magazine October, 2005

N A T U R A L R U B B E R

Nature's Wing (www.split-fin.com) invented, patented, and licensed the concept behind Split-Fin™ technology. Licensees add their own technological imprint onto the basic concept. Fins are identifiable by a split down the center, Nature's Wing logo, and patent.

Apollo was the first manufacturer to embrace the Nature's Wing Split-Fin concept. Duroprene, Elastomer, Polyurethane, we tested too many materials to name. Some made the cut. Our award winning Eco & EX Bio-fins are proof that when used properly plastic and man made rubber compounds are a good match.

Rather than settle for good, our team went in search of great. We chose to keep looking for ways to further improve comfort and performance. Bio-fin series quickly evolved into the natural rubber Pro available today.

The purity of rubber and compression molding process required to produce Bio-fins is slower and more costly than materials and injection molding chosen by every other manufacturer. Natural rubber is the best material for split-fins and we simply had to use it.

Rubber can also be a bit heavier to tote around in your dive bag. But, when diving, weight and flexibility are essential to the responsiveness and comfort of a split-fin. It just can't be beat!

No fluff, just fin! Apollo continues to research alternatives. We have increased size, strap, and durometer options but retained the essential design elements. Leaving aside lesser materials and slick sounding modifications, we remain focused on changes that actually improve performance, minimize stress & maximize comfort.

Brand really does make a difference. Test after test has confirmed the superiority of Apollo Bio-fins.



Bio-fin Pro

Fin Type: Open heel

Models: Bio-fin Pro & Pro XT (rubber strap)

Bio-fin Pro C-series & Pro XT C-series (spring strap)

Strap: Adjustable Rubber or Spring Strap

Hardness: (durometer varies) Black 65°, Orange, Metallic Blue, Metallic Pink, White, Yellow 66° - 70°, & XT 75°

SIZE	L	W	WT (lb)	COLORS	XT	SHOE SIZE (M)	SHOE SIZE (F)
XS	20"	8.25"	4.5 - 5	● ● ● ● ● ● ● ●		5-6	5 - 6
S	21"	8.75"	5 - 5.5	● ● ● ● ● ● ● ●		7 - 8	7 - 9
M	22"	9.25"	6 - 6.5	● ● ● ● ● ● ● ●	●	8 - 9	9 - 10
L	22"	9.25"	6.5 - 6.75	● ● ● ● ● ● ● ●	●	9 - 11	10 - 11
LL (XL)	22"	9.25"	6.5 - 6.75	● ● ● ● ● ● ● ●	●	11W - 13+	11W - 13+

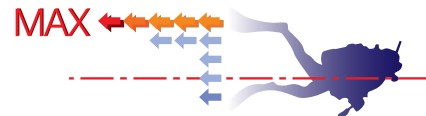
Note: Weight and dimensions reflect average for all fin options, actual may vary +/- 0.5.

How the bio-fin works

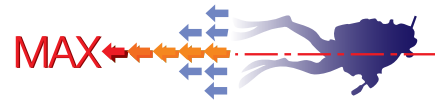
Bio-fin provides lift and propulsion with less effort and more power. Unlike old style fins, which "push" water up and down. The Bio-fin directs water flow over the leading and trailing edges of the fin blade to provide power, lift, and forward thrust on each stroke. This reduces turbulence and ensures a more even distribution of resistance during the upstroke and downward thrust motions of the kick cycle. Working both muscle groups equally to increase power and reduce stress on the body.

Extensive field testing has shown that participants were able to reach and sustain higher speed when using the bio-fin than with conventional paddle fins. Speed, comfort, and maneuverability... you can have it all!

Paddle fins = power on downstroke only



Bio-fins = consistent power on up and downstroke



↓	JOINT STRESS	Effortless kicking with little to no strain on ankle and knee joints
↓	MUSCLE FATIGUE	Up to 40% reduction in muscle fatigue and air consumptions
↑	SPEED/ ENDURANCE	Highest speed & endurance levels in fast current, free of cramping often caused by lactic acid build-up
↑	VISIBILITY	Shallower kicking style and direction of force result in little to no silt up & significant improvement in visibility
↑	DIVE TIME	Longest recorded bottom times in testing against alternate brand split fins as well as traditional paddle fins

TECH TIP Rinse fins with fresh water after each day of diving to avoid drying effects of saltwater. Do not use solvents, cleaners, polishers or UV protectants of any kind as they can cause early wear and damage to rubber. Clean with fresh water only.

$$10^{\circ} - 20^{\circ} + 30^{\circ} = 20^{\circ}$$



Ergonomic design

Bio-fin is designed with a 20° angle to accommodate a diver's natural tendency to bend slightly at the ankle and knee. The angle is crucial to top performance and comfort. The result is maximum propulsion with the least amount of stress on the body. Apollo's choice of superior material and intelligent design provide divers with quick acceleration and the ultimate in power, speed and control.



bio-fin pro



**“Year after year, test after test...
consistently proven... fastest, most
powerful, and most popular fins”**

Scuba Diving Magazine December 2007

65

model bio-fin pro
style open heel split fin
strap adjustable rubber
material natural Rubber
durometer hardness level 65 - 70
colors (stock) black, orange, white,
metallic blue, yellow, & metallic pink
sizes xs, sm, med, lg, & xl(LL)

Color ensures stealth, visibility, coordination and more. Regardless, of your needs, we have the right fin for you. With a durometer of 65°, our original black fin is the top performer for speed, distance, and comfort. The lower durometer rubber provides the maximum amount of power throughout kick cycle and the absolute least amount of strain on your body. It is the fin of choice for many military special operations forces worldwide. That said, if you prefer another color... go for it. Although nominally higher in weight and durometer, performance and feel are very similar to black. The average sport diver would not even register the difference. See pages one-two for size chart, features, benefits, and history of the bio-fin.

*Special order options usually ship in two weeks.

bio-fin pro **EXTRA TORQUE**



“bonafide speedster”

Scuba Diving Magazine November 2004

model bio-fin pro XT
style open heel split fin
strap adjustable rubber
material natural Rubber
durometer level 75
colors charcoal
sizes med, lg, & xl(LL)



The bio-fin pro XT is 15% stiffer than our original pro (black). Specifically designed for strong swimmers and technical divers that prefer a more traditional feel. The durometer was increased to 75° during production. The result is a fin that provides the highest level of control, comfort, and performance possible with a more rigid blade. See page two for size chart, features, benefits, and history of the bio-fin series.

TECH TIP Rinse fins with fresh water after each day of use. Do not use cleanser or apply protectant as coating will likely cause damage to fin material.

bio-fin pro c-series



65



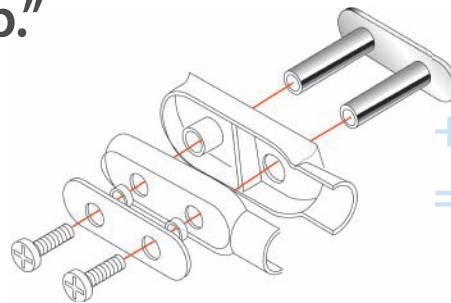
model bio-fin pro c-series
style open heel split fin
strap stainless steel spring strap
material natural Rubber
durometer level 65 - 70
colors (stock) black, white, & yellow
New stock colors (April 2011) orange, metallic blue, & metallic pink (pink xs-m only)
sizes xs, s, m, l, & xl(LL)

IN DEPTH Bio-fin Pro P1-3, C-series Strap P.5

- 1 Auto Adjust **Neoprene boots compress at depth. Spring straps automatically adjust to keep heel strap secure.**
- 2 Unbreakable **Whether diving for business or pleasure, the time it takes to replace a broken strap can be costly. SUS304 stainless steel spring is very strong, practically unbreakable, even in the most demanding dive environments.**

“How do you improve on a fin that’s just about perfect? By... adding a spring strap.”

Scuba Diving Magazine October 2005



bio-fin
 + spring strap
 = bio-fin c-series

bio-fin pro EXTRA TORQUE c-series



model bio-fin pro XT c-series
style open heel split fin
strap stainless steel spring strap
material natural Rubber
durometer level 75
colors (stock) charcoal
sizes see m, l, & xl(LL)



“The undisputed king... smoked the competition”

Scuba Diving Magazine November 2004

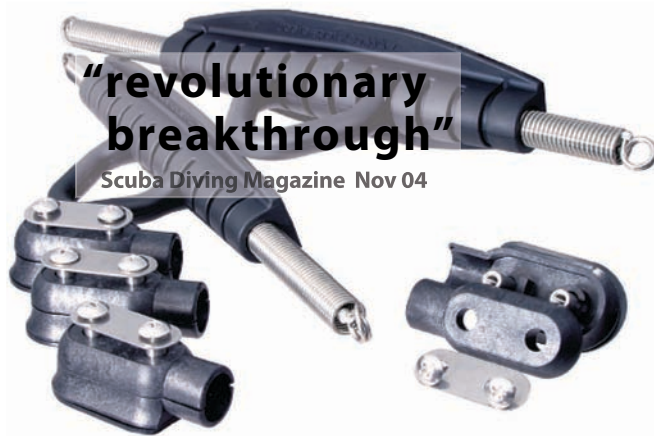
3 Superior Hardware **Rugged spring needs proper support. Smooth steel plate sits flush with interior wall of foot pocket. Posts welded to plate run directly through fin. Strap and exterior hardware are then secured to post with screws.**

4 Molded **A clip on attachment is vulnerable to popping off and causing loss or injury. Apollo’s C-series is the only split-fin built specifically for use with a spring strap.**

5 Get A Grip **The rubber heel guard increases stability and comfort. Sporting an oversized finger loop, the straps are easy to don and doff, even while wearing bulky gloves**

TECH TIPS Stainless steel is less prone to rust and staining but it is not rust proof. For maximum life and cosmetic appeal rinse after each use. We strongly recommend occasional disassembly of hardware for a more thorough rinsing of all metal parts. See next page for more information. Blades should be rinsed with fresh water after each use. Do not use cleanser or apply UV protectant as coating will likely cause damage to fin material.

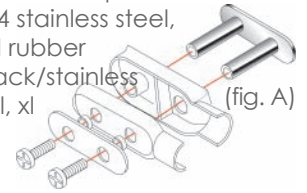
c-series spring strap kit



“revolutionary breakthrough”

Scuba Diving Magazine Nov 04

kit includes springs, mounting hardware, and heel gaurds for one pair of fins
materials SUS304 stainless steel, abs plastic, and rubber
color (stock) black/stainless
sizes (stock) m, l, xl (fig. A)



STRAP SIZE	SPRING LENGTH	FOR FIN SIZES
M	10" (250 mm)	XS & S
L	12" (300 mm)	M & L
XL	13" (325 mm)	L, LL, & XL

Length and weight are approximate, actual may vary +/- 0.25.

So, you

were in strong current, swimming with dolphins, or maybe playing underwater hockey and your fin strap came loose... again.

Pliable and comfortable, a thin slice of rubber makes a good fin strap. However, it cannot self adjust and the slightest nick can result in breakage.

Neoprene boots compress at depth and the force generated with each kick can pull straps out of set. You are left with a loose heel strap that demands attention. The problem is enough to make some divers get out the duct tape. The silvery patch job does look a bit like steel but the sticky mess is temporary and only addresses part of the problem.

Whether diving for business or pleasure, the time it takes to deal with a strap can be costly.

Locked, loaded and rugged enough for just about any dive, the C-series spring straps solve problems and increase comfort.

SUS304 stainless steel springs automatically compress and expand as needed for a snug reliable hold. The material is also longer wearing than rubber and practically unbreakable.

The steel spring is essential, but a weak support system can result in breakdown. A clip on attachment is vulnerable to popping off and a buckle style can simply slip out of place.

Apollo's C-series strap isn't just attached to exterior, it actually becomes part of your fin.

Auto Adjust Spring straps expand and contract as needed for a snug reliable hold.

Unbreakable SUS304 stainless steel spring is very strong, practically unbreakable, even in the most demanding dive environments.

Superior Hardware Smooth steel plate (fig. A) sits flush with interior wall of foot pocket. Posts welded to plate run directly through fin. Strap and exterior hardware are then secured to post with screws.

Get A Grip Rubber heel guard increases stability and extra comfort. Oversized loop for easier don/doff, even with bulky gloves

Fins (Apollo and Other) Install a C-Series strap set on your current Apollo Bio-fins as well as most alternate brand open heel split-fins

PDF Slideshow Installation is semi-permanent and a little extra effort is required for addition to your current fins. Be prepared to get out a cutting implement and drill. It is so worth it! Visit Apollo website to view installation slideshow www.apollosportsusa.com/Service/Manuals.htm select: C-Strap Installation Instructions



350, 325, 300, 275, 250

CUSTOMIZE

Five strap lengths, two heel protector colors, & hardware are available for individual purchase.



* latest heel guards are a bit more rugged than original (*standard with current model c-series kits, fins, and spares)

TECH TIP Stainless steel is less prone to rust and staining but it is not rust proof. For maximum life and cosmetic appeal rinse after each use. We strongly recommend occasional removal of screws with Phillips (PH#2) or Torx (T20) driver for a more thorough rinsing of all metal parts. Examine screw head to determine appropriate driver. For cross shape uses PH2, star shape T20.