ATOMIC
AQUATICS

Fins

Before Atomic Aquatics
there was no

"Best"

in scuba diving

Atomic Aquatics divers have a choice of fins designed to perform specifically for your diving needs, kicking styles and price range.

Spring Heel Straps
"An Atomic Exclusive"

Unique rust-resistant stainless steel springs are designed with variable pitch geometry for a more comfortable fit and easy one-hand removal.

Available for all Atomic Fins and a Universal retrofit for most other brands. Available in medium and long.

SplitFins®
"Ease and Efficiency of Kicking"

Atomic SplitFins have a flexible blade designed with Propeller-Fin™ technology to "feel" very easy and slice through the water with very little drag.

BladeFins™
"Power and Speed"

Atomic BladeFins have a moderately firm blade combined with a unique structural engineering design to deliver more thrust and speed.

X1 BladeFins
"Ultimate Power"

Atomic X1 BladeFins have a firmer, shorter blade to maximize every kick for raw thrust and deliver control for alternate kicking styles.

SplitFins®

Aerodynamic... Hydrodynamic... simply Dynamic

With the slightest kick, the split blade deflects to form a pair of wings that slice through the water with reduced drag, creating lift in the forward direction to propel you ahead. Compared to conventional fins, the SplitFin® swims with less effort, stress and strain resulting in greater sustained speed, power and comfort. Independent testing has shown that this design can significantly reduce air consumption.

SplitFin Design

1. Power Rails

The backbone of the SplitFin, the highly resilient power rails, store and release energy with every kick. Proprietary and exclusive to Atomic Aquatics, this material will not deteriorate or lose its resiliency.

2. Flex Battens

Semi-rigid battens set in the soft elastomeric blade controls the precise wing shape to optimize thrust and reduce drag.

3. Split Blade

The split blade deflects with the slightest kick to form a pair of wings that slice through the water with reduced drag, propelling you forward.

4. High Surface Ratio Blade

Large surface area blade improves pivoting, turning and alternate kicking styles.

5. Hinge Points

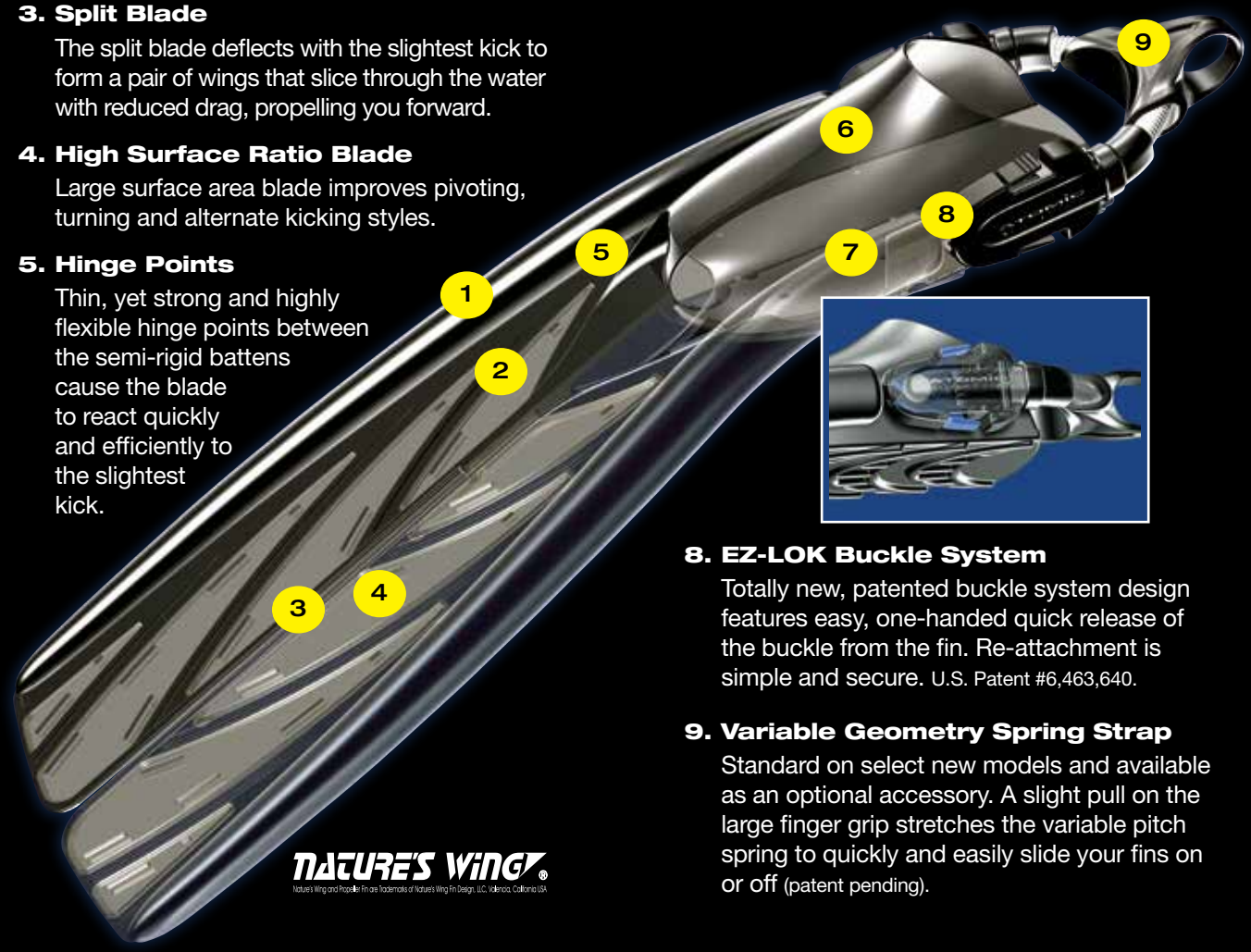
Thin, yet strong and highly flexible hinge points between the semi-rigid battens cause the blade to react quickly and efficiently to the slightest kick.

6. Anatomically Correct Foot Pocket

Contoured to fit your foot without stress points, with semi-open toe for added comfort.

7. Power Plate

Internal sole plate creates rigid platform beneath the foot for greater power transfer to the blade yet allows for a soft, comfortable foot pocket.



8. EZ-LOK Buckle System

Totally new, patented buckle system design features easy, one-handed quick release of the buckle from the fin. Re-attachment is simple and secure. U.S. Patent #6,463,640.

9. Variable Geometry Spring Strap

Standard on select new models and available as an optional accessory. A slight pull on the large finger grip stretches the variable pitch spring to quickly and easily slide your fins on or off (patent pending).

NATURE'S WING®

How SplitFins Work

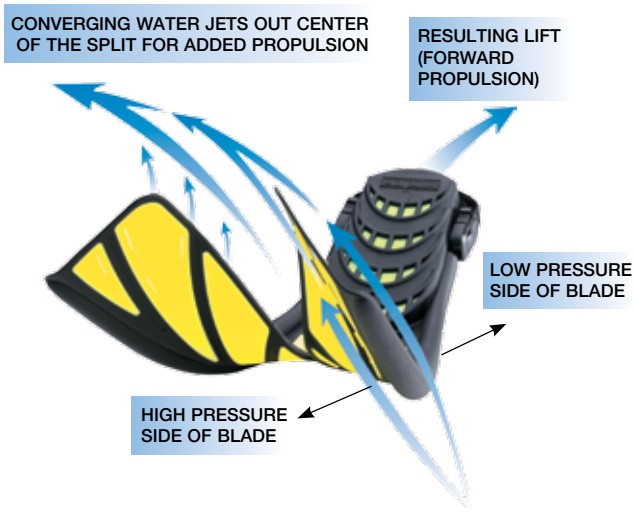
Conventional paddle fins work by pushing water rearward. In contrast, the SplitFin slices though the water with two wing shaped surfaces, creating lift and forward propulsion more like a propeller. Any water traveling over the top of the blade is funneled into and out of the opening (split) between the blades. Drag is reduced, effort is reduced and efficiency is increased. Atomic SplitFins use Propeller-Fin™ Technology to deliver ultra-high speeds with a small-range rapid flutter kick, much like a boat propeller accelerates it to higher speeds.

How to Swim Atomic SplitFins

SplitFins are to incredibly easy to kick. In fact, they may “feel” so easy that you wonder if you are moving. There is nothing wrong, you’re probably already going just as fast as you did with your old fins. Although they work with a variety of kicking styles, a smaller-range, more frequent flutter kick delivers maximum performance. The flutter kick also keeps your legs within the slipstream of your body profile effectively reducing drag. Less drag means more speed with less effort.

Not All SplitFins are the Same

SplitFins come in a variety of shapes, sizes and stiffness contributing to overall comfort and performance. Fins with short, soft blades kick easier than longer, stiffer ones but will require more kicks to travel the same distance. A blade that is too stiff will require too much effort to kick comfortably. Atomic SplitFins were specifically designed to optimize all these variables. They are easy kicking fins that deliver high thrust, speed and efficiency with a comfortable, low-frequency kick cycle.



Open Heel SplitFins

Smoke on the Water

Reef Red

Lightweight High Energy Compound

Pink

Purple

Neon Yellow

Royal Blue

Standard Power Compound

Blue

Silver

Full Foot SplitFins

Black

Lightweight High Energy Compound

Neon Yellow

See back cover for SplitFin sizing.

BladeFins™
Speed Demon

All paddle fin designs are NOT equal. Atomic Aquatics BladeFins feature exclusive engineering and materials designed to deliver more speed from every kick.

BladeFin Design

Atomic BladeFins are engineered for power and thrust.

1. **Power-Loop Monocoque Structure**
   The engineering term Monocoque means "single-shell" utilizing the external skin to support most of the load area while power is applied through the frame rails.
2. **Foot Pocket Power Plate**
   The Power-Loop Monocoque structure is connected to the sole plate (Power Plate) giving divers a solid feeling like the fin is "bolted" to the foot.
3. **Power Rail**
   The frame rail design on each side of the fin mimics a backbone or spine connecting to the Monocoque.

BladeFin Structural Engineering

Atomic Aquatics BladeFins uniquely combine two structural frame designs used in aircraft and Indy race cars: **Power-Loop Monocoque** and **Frame Rail**.

4. **Vertical Stabilizers (Strakes)**
   Oversized stabilizers at fin tips keep the fin tracking straight up and down.

Why BladeFins are Better

- Power and thrust that only a paddle fin design can provide divers to cruise through the water.
- Unique structural engineering combines two designs to create a solid feeling and maximize kicking power.
- Vertical stabilizers on fin tips keep the fin tracking straight up and down with every kick.
- Wicked styling on fin and buckle for a distinctive look that perfectly complements the Atomic VENOM mask and SV Series snorkel.

How BladeFins Work

The Four C's:

Capture water.

Contain the flow of water without spilling it over the edges.

Channel the flow of water down the blade and off the vertical stabilizer (strake) edge tips.

Control the power with two frame structures (Monocoque and Frame Rail) to fully optimize the paddle fin design and kicking effort.

EZ-LOK Buckle System

Easily snap the buckle on and off. And be confident that it will not release accidentally. Buckles rotate 180 degrees and straps adjust with a simple pull.

Blue

Yellow

Silver

Red

Pink

Purple

(Pink and Purple are only available in small & medium)
See back cover for BladeFin sizing.

X1 BladeFins

Power Trip

Ultimate power with every kick. The Atomic X1 BladeFin combines a solid internal frame and firmer, shorter blade design to maximize kicking power and raw thrust.

X1 BladeFin Design

1. **Rigid Low-Profile Side Rails** and shorter, stiffer blade make turning and pivoting easier. Most fins have taller side rails for tracking and bending strength. The Atomic **X1 BladeFin** has lower profile rails with less side-to-side resistance that allow you to rotate, spin and turn more efficiently during alternate fin kicks.

2. **Monocoque Structure and Power Plate** is connected to the low-profile rails, efficiently transferring power from the leg and foot to the rails.

3. **Asymmetrical Blade Bend Flexing** is better for alternate kick styles. Scissor kicks, frog-kicking and helicopter turning in tight circles put more emphasis on the up-kick or return stroke. For these kick styles, the **X1** provides more feel and control of the fin to maneuver more effectively without folding under heavy load.

4. **Vertical Stabilizers, or Strakes,** add stability and lower drag to keep the fin tracking straight as an arrow. Other fin designs use taller side rails to keep the fin tracking straight. By using strakes to straighten the fin, the **X1 BladeFin** does not add significant side drag like tall side rails.

X1 BladeFin Kicking Styles

The **X1 BladeFin** delivers optimal performance for general purpose diving, tech diving, extreme applications and alternate kicking styles. It has the backbone to control and maneuver in tight spaces, perfect for alternate kicking styles such as helicopter, scissors, backwards, flutter and frog-kicks. Another design attribute of the **X1 BladeFin** that contributes to improved alternate kicking styles is asymmetrical blade bend flexing which provides more feel and control of the fin to maneuver more effectively without folding.

Taller Foot Pocket Design

The **X1 BladeFin** foot pocket design is taller with low-friction entry sections inside the pocket, perfect for large boots and drysuit boots.

EZ-LOK Buckle System

Easily snap the buckle on and off. And be confident that it will not release accidentally. Buckles rotate 180 degrees and straps adjust with a simple pull. Standard on all **X1 BladeFins.**

Blue

Red

Yellow

Silver

Pink

Purple

See back cover for X1 BladeFin sizing.

Fin Sizing

SplitFin Sizing
(Open Heel)

	Men's USA	EU
Small	5½	37 - 38
Medium	6 - 8½	39 - 41
Large	9 - 11	42 - 43
XLarge	11½ - 13	44 - 46

SplitFin Sizing
(Full Foot)

Men's USA	EU
4.5 - 5.5	37 - 38
6 - 7	39 - 40
7.5 - 8.5	40 - 41
9 - 10	42 - 43
10.5 - 11.5	43 - 44
12 - 14	45 - 46

BladeFin & X1 BladeFin* Sizing

	Men's USA	EU
Small	5½	37 - 38
Medium	6 - 8½	39 - 41
Large	9 - 11	42 - 43
XLarge	11½ - 13	44 - 46

*X1 BladeFins have taller foot pockets

Warranty & Care

Atomic Aquatics fins are warranted against defects for a period of one year. Keep out of direct sunlight when possible to avoid color fading. Store your fins with the foot pocket inserts in place and in a manner that prevents deforming.

ATOMIC AQUATICS

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6/16