

Orca Triathlon

EN

# Athlex Flow



Whitepaper

orca



Orca Triathlon

# Athlex Flow

The Athlex Flow wetsuit achieves a perfect balance between elasticity and buoyancy. High-elasticity materials are incorporated in the upper body, while buoyancy technologies are featured in the legs. These technologies allow the swimmer to correct their position in the water, achieving a more hydrodynamic posture.

# Athlex Flow

WOMEN ↓

MN54  
XS, S, M, L, XL

● Black: 01 / S.S  
8434446089589



Flexibility



Buoyancy



Hydrodynamics

Inside



YAMAMOTO



1. 39+



2. 39 FS



3. 38



4. AERODOME



5. HYDROLITE



6. ULTIMATE SEAL COLLAR



7. YKK 10



8. V FIT

# Athlex Flow

MEN ↓

MN14

4, 5, 6, 7, MT, 8, 9, 10, 11

● Black: 01 / S: 7  
8434446088414



Flexibility



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Inside



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1. 39+



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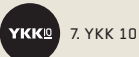
4. AERODOME



5. HYDROLITE



6. ULTIMATE SEAL COLLAR



7. YKK 10



# Technology



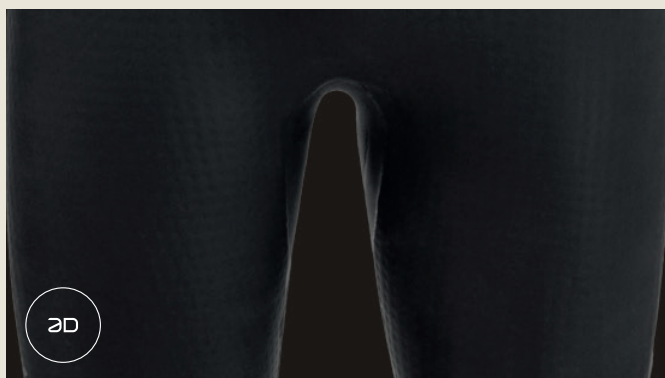
## 39+

The increased flexibility of Yamamoto 39 neoprene, combined with the high elasticity of Infinity Skin 2 lining, provides open water swimmers with maximum freedom of movement. Thanks to this combination, 35% less force is required in fast movements than in conventional neoprene. For slow movements and wider strokes, 45% less force is required than in conventional neoprene. SCS coating also helps reduce friction and water resistance, improving hydrodynamics and increasing speed.



## 39 FS

Elasticity, maximum flexibility and total freedom of movement are brought together thanks to the combination of Yamamoto 39 neoprene, Infinity Skin 2 lining and Smoothskin surface finish. With this combination, the open water swimmer will use 35% less force in fast movements and short strokes, while slower and wider movements will require 45% less force than any other conventional neoprene.



## AERODOME

This new technology, applied to the lower body, gives the swimmer 30% more buoyancy. The secret is in its construction: there are hundreds of pockets located between two layers of pre-treated neoprene. Unlike Exo-lift, the inner layer of this material is composed of a high-quality lining that gives the neoprene more elasticity. Orca utilizes this material in specific areas, depending on the needs of the swimmer, in order to facilitate proper rotation.



# Made to last

This product's unique design is based on the best available materials in the market.

Orca works closely with Yamamoto Corporation to develop new materials for their wetsuits. The exclusive Orca 0.88 Free and Yamamoto 44 materials are proof of this. Orca is also the only brand that is certified to make all our suits using exclusive Yamamoto material, ensuring the highest quality in all products.

Currently, the most sustainable raw material for obtaining neoprene is limestone, compared to other much more polluting processes in which lower quality neoprene is obtained from oil. The process of obtaining neoprene from limestone was developed in the 60s by the Yamamoto company and it has been perfected over time to arrive at the current process, where the best quality neoprene is obtained. Not only do the characteristics of this neoprene contribute to its better performance, but they also ensure its maximum durability.

Other very important materials in our products that may go unnoticed are the materials used for packaging. To minimize the impact of these, as of 2020, our entire range of wetsuits and accessories uses recycled cardboard packaging instead of single-use plastic.





# Care to last

## Wetsuit Cleaning:

Neoprene can be damaged by excess salt or other disinfectants such as chlorine if used in swimming pools. It is important to wash the wetsuit with plenty of water. A small amount of neutral pH soap can be used and then rinsed out. Once clean, make sure it dries so that it doesn't retain moisture, outside or in a ventilated indoor space without direct exposure to sunlight as this can damage the materials.

## Storage:

Storing the wetsuit properly keeps the materials and seams from being folded and stressed over long periods of time. It also prevents the appearance of wrinkles on the material which can affect both the wetsuit's durability and its aesthetics. The best way to store the neoprene is to hang it from its middle, so that the most sensitive areas such as the shoulders and arms do not have any kind of tension on them. For this model you can use a hanger if you can't hang it in half, as long as it is wide enough for the wetsuit not to be stretched in the shoulder and neck area.

To ensure the maximum durability of your wetsuit, it is recommended to pay special attention to three aspects of care; cleaning, storage and transport.

## Travel:

Although traveling time takes up such a small amount of a wetsuit's useful life, it is important to keep in mind that each time it is worn, it has to be transported. Poor transportation, even if it is for short periods of time, can shorten the life of your wetsuit.

Compressing or wrinkling the wetsuit during transport is not recommended, especially in the seam areas. It is also advisable to rinse it off with fresh water before transporting it after it has been used. Be careful that the wetsuit is not stored in high temperatures (such as in a hot car), as this can speed up its degradation.

The elasticity of the top of this wetsuit allows the sizing in this area to adapt well to different bodies. However, the bottom sizing must be adjusted due to the thickness of the panels. So, if the size guide suggests going up a size, plan on weight affecting the sizing more over chest and height measurements.

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