

Orca Surf

EN

# Tango 3:2



Whitepaper

orca



Orca

# Heritage

A love and respect for the ocean are values shared by our Orca team and implemented in each step of our wetsuit development. It is evident through our dynamic combination of panels built with innovative and proprietary technologies, as well as a commitment to using 100% Yamamoto neoprene to ensure maximum comfort and durability. Orca creates high-quality, cutting-edge wetsuits to meet the needs of any athlete or ocean enthusiast. With over 25 years of experience, a passion for the ocean, commitment to the environment, and a steadfast mission to introduce the sport and sea to as many ocean lovers as possible, the first Orca surf wetsuit is born!

Orca Surf

# Tango 3:2

The Tango 3:2, made with 100% Yamamoto neoprene, offers the highest elasticity and the perfect fitting due to the combination of Yamamoto neoprene and the Power Fit inner lining. Additionally, the use of GBS seams covered by inner taping plus the front YKK zipper and the special wrist sea, give the Tango 3:2 suit a high level of thermal insulation within its thickness category. This is the most comfortable suit of the market in its category to enjoy surfing.

# Tango 3:2

WOMEN ↓

MNB2  
XS, S, M, L, XL

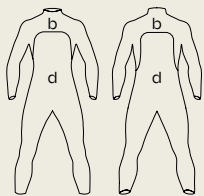
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Flexibility  
●●●●●●

Thermal insulation  
●●●●○

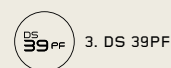
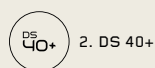
Panels



b. 2 mm

d. 3 mm

Inside



# Tango 3:2

MEN ↓

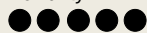
MNA2

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

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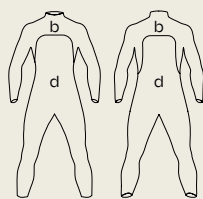
Flexibility



Thermal insulation



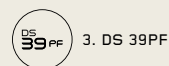
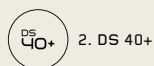
Panels



b. 2 mm

d. 3 mm

Inside

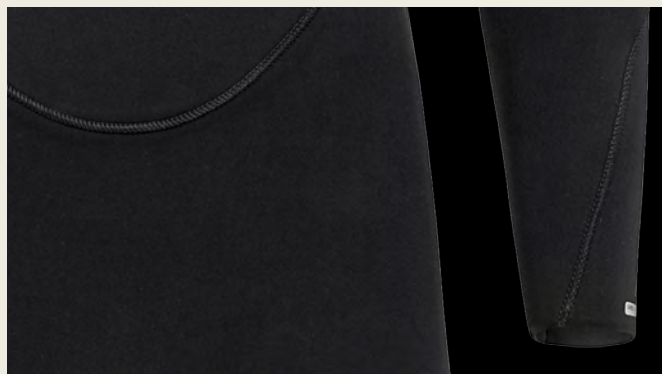


# Highlights



## SUPERIOR ELASTICITY

The use of Yamamoto neoprene, the GBS seams, its front zip construction and the advanced pattern construction all provide you with the needed elasticity to enjoy surfing for hours. Technologies such as DS 40+ are also incorporated in the shoulders and back which allow you to move without restrictions.



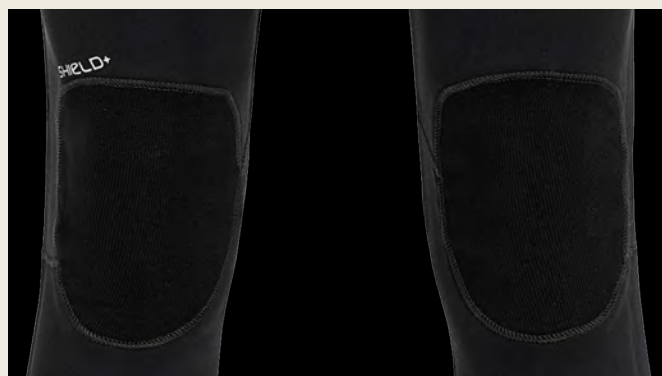
## PERFECT FIT

The suit's perfect fit in the chest and back is achieved thanks to the use of DS39PF technology, which includes a compressive inner lining. This lining and the Smoothskin finish on the wrists and neck prevent the ingress of water and the formation of air pockets in the wetsuit.



## THERMAL INSULATION

The use of GBS seams covered by inner taping give the Tango 3:2 suit a high level of thermal insulation within its thickness category, preventing the loss of body heat and allowing you to surf for longer.



## DURABILITY

The DuraSkin outer fabric, which is highly resistant to abrasion, ensures the durability of your suit, despite the many hours you spend on your surfboard. The inner taping also reinforces the seams and the Shield + panels cover and protect the knee area so that you can enjoy your wetsuit for a longer time.

# Recommended uses

Triathlon	Openwater	Freedive	Swimrun	Surf	Stand Up Paddle	Kayak	Snorkel
●○○○	●●○○	●●○○	●○○○	●●●●	●●●○	●●●○	●●●○

- Designed for it.
- Not designed for this purpose but can be used without problems.
- Not designed for it but with loss of performance.
- It is not advisable to use it, it may affect the durability of the neoprene, the use is not covered by the warranty and physical problems may occur.

# Technology



## Yamamoto

Orca wetsuits are made from 100% Japanese Yamamoto neoprene. The performance of this neoprene, which is produced from limestone, is unmatched. Its elastic properties are superior to that of any other type of neoprene, feeling it fluid and endlessly elastic while surfing. Its low weight and density improve thermal insulation, resulting in a light and comfortable suit.



## Seal

A combination of different technologies prevents water from entering the wetsuit, improving thermal insulation and comfort for surfing. The neoprene panels are sewn together and reinforced with adhesive and inner taping in order to seal the seams. Smoothskin technology is also used in the neck and forearms, which clings to the skin, sealing the wetsuit completely.



## Shield+

Shield+ technology reinforces the knee area of the wetsuit to prevent wear from surfboards or sand. It combines abrasion and shock-resistant fabric with high-elasticity neoprene, allowing for greater freedom of movement for getting up on your board.



## DS 40+

DuraSkin 40 + (DS 40+) technology combines high-stretch Yamamoto 40 neoprene, Duraskin outer fabric, and Infinity Skin 2 inner lining. The outer Duraskin fabric offers great insulation due to its fast-drying properties, and it is very resistant to abrasion from equipment, such as your surfboard. The Infinity Skin 2 inner lining contains bamboo fibers that provide added flexibility for surfing while reducing odors and resisting bacteria. This combination also results in maximum flexibility to the shoulders of Orca surf wetsuits, which require 60% less force to stretch than conventional neoprene, and in a more durable wetsuit than traditional neoprene.



## DS 39 PF

DuraSkin 39 PF (DS 39 PF) technology combines high-stretch Yamamoto 39 neoprene, Duraskin outer fabric, and Power Fit inner lining. The outer Duraskin fabric offers great insulation due to its fast-drying properties, and it is very resistant to abrasion from equipment, such as your surfboard. The Power Fit inner lining provides comfort, compression, and a perfect fit in the back and chest, preventing the flow of water inside the wetsuit. This combination makes the wetsuit flexible, adapting to the body like a second skin for a perfect fit.





# 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. 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, our entire range of wetsuits and accessories uses recycled cardboard packaging instead of single-use plastic for some years now.





# 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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