

**MANERA**  
WATERMEN EXPERIENCE



# EXO HARNESS 2015 RANGE

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# 2015

## NOVELTIES

To improve the extraordinary comfort of our harness, we worked thoroughly on the foam lining inside the harness. After numerous tests, analyses and comparisons, the R&D department decided to line the new EXO harness with some specific comfort foam called: NEST FOAM.

This new foam lines the entire interior volume of the harness that comes in contact with the body of the rider and provides better cushion under tension with optimum comfort. The harness will give the rider a maximum range of motion and flexibility, while maintaining great support and an ideal distribution of the forces across the EXO harness.

We also improved the COCCON CONCEPT that places the rigid parts on the outside of the harness while the inside layers gradually get softer as they get closer to the riders body. The new EXO harness is built with 5 layers of different density foam, plus the EDF that channels all the forces and redistributes the pressure evenly across the harness.

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**The entire EXO harness was design to provide the best support and extraordinary comfort. It provides the rider with a stable base to lean into, allowing him to focus on his riding and improve his performance.**

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Our International and local riders have been now been using the EXO harness for a more than a year and their feedback is simply exceptional!

Comfort, support and reliability are the three key factors that keep coming back the reviews we get from them. Some riders have even stopped using their seat harnesses due to the fact that the new EXO harness does not ride up like a classic waist harness.





To improve the extraordinary comfort of our harness, we worked thoroughly on the foam lining inside the harness. After numerous tests, analyses and comparisons, the R&D department decided to line the new **EXO** harness with some specific comfort foam called: **NEST FOAM**.

Different thicknesses of **NEST FOAM** are used according to the pressure absorption needs: Double layer in the center of the back where pressure is the highest, single on the outline for added comfort.

This new foam lines the entire interior volume of the harness that comes in contact with the body of the rider and provides better cushion under tension with optimum comfort.

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**The harness will give the rider a maximum range of motion and flexibility, while maintaining great support and an ideal distribution of the forces across the EXO harness. Over time the foam keeps its original shape and thickness, maintaining the comfort of the harness.**

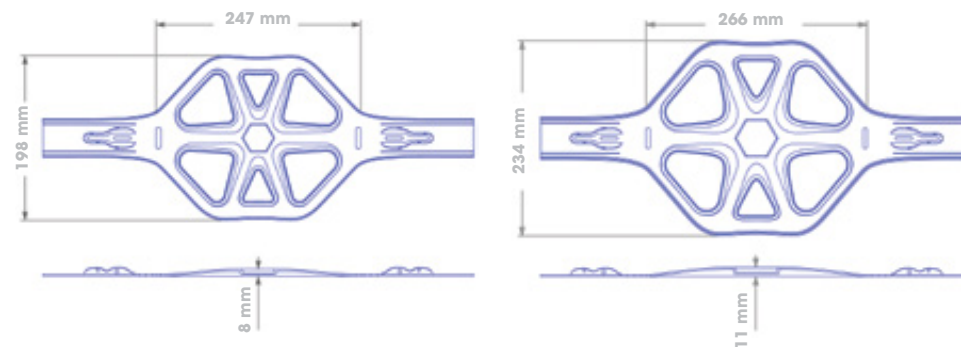


## ✳ ENERGY DISPERSION FRAME

This **MANERA** innovation has a hexagonal structure, built with various stiffness and volume degrees to control its flex and resistance. Its main advantage and innovation is to be connected directly to the spreader bar through webbing and buckles for a direct transfer of the load and therefore receiving 100% of the kite power. Its design and structure helps distribute consistently the pressure over a much wider area.

Pressures are no longer concentrated on a narrow area of the back, which protects the rider and prevent him from having to compensate with his lumbar muscles.

**This technology brings a new vision on the energy transfer science and provides the rider with a level of comfort never seen before.**



**The frame was developed in two versions with differing heights, widths and stiffnesses to offer the best fit to all morphologies.**





The EXO harness is going to rush the existing market with its advanced structure.

This new approach consists in transmitting all the loads and pressures outside the harness through the frame while placing the totality of all foam and reinforcement layers between these forces and your back.

Usually straps, plates, and other devices are hidden inside the harness and are sandwiched between two layers of foam.

Unfortunately only one of these layers remains between your back and the structure of harness to reduce the tensions.

**On the MANERA EXO harness, the integrality of foam thickness is here to soften and suppress the pressure, for maximum comfort.**



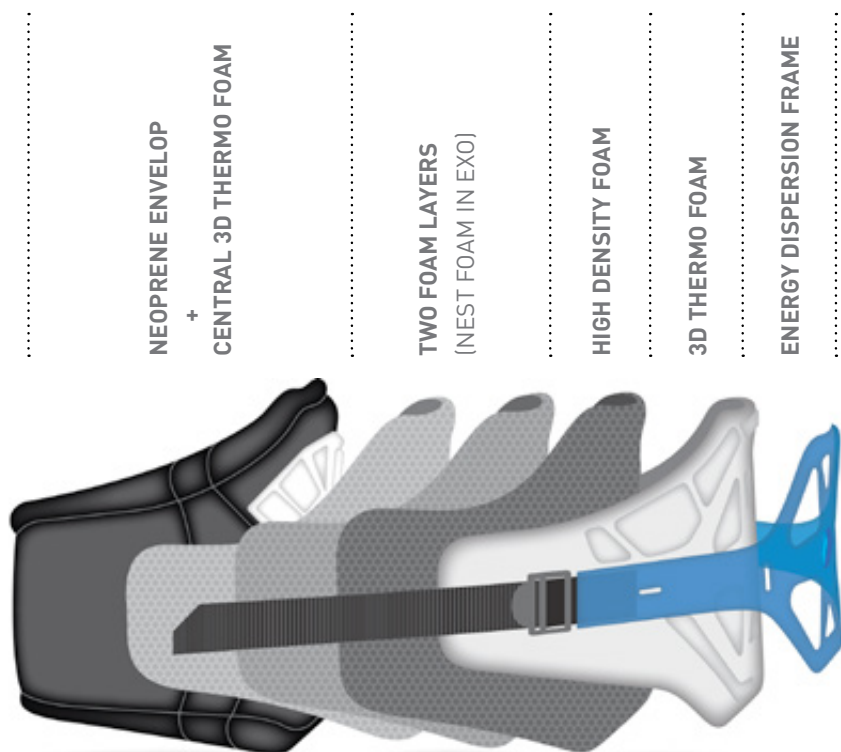
We have done some extensive work on the human body anatomy to find the right harness shape.

Our goal was to build a harness that perfectly fits the natural curves of the back, so that it adapts actively to your movements during riding. This ergonomic shape provides freedom, flexibility & softness, while minimizing friction areas.

To ensure optimum comfort during action, the EXO harness is pre-formed, which means the

ergonomic shape of the harness is built in to each layer of material that composes the product during manufacturing.

**This product fits the rider and protects him from injuries and friction right from the first use.**





## SEAMLESS NEOPRENE AREA

Hips are a really sensitive part exposed to frictions, in order to avoid injuries we designed this area with **a full piece of neoprene without seams.**







The MANERA R&D team developed a brand new asymmetrical buckle system to maintain the spreader bar position by generating downward force.

**Stuck in its original normal position, the spreader bar doesn't go up.**



Helping the **DOWN HOLD SYSTEM**, two flaps situated on each side of the spreader bar are inserted into the harness; once the straps are tightened, the flaps are compressed and blocked inside.

The aim is to reinforce the link between the spreader bar and the harness structure.

**The result is surprising as the hook never goes up to your chest.**



## MANERA LEASH RELEASE

Whether you are right or left hander, the **MANERA** leash release will be easy to trigger as we placed one on each side of the harness.

Depending on your preference, you will also have the choice between setting your leash free to slide along your back or lock it to the right or the left between the rings.



## MANERA KITE KNIFE Optional



# EXO

MODEL



Blue



Red





Blue



Pink



Green



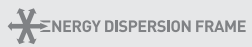
Red



Carbon



White



# SENSO

## MODEL



**Black**

**When we designed the 2015 EXO harness we made zero concessions on the choice of materials and technologies. To answer the needs of a maximum of riders, we have chosen to offer a less exclusive version: the SENSO model.**

This new model benefits from all the experience gained with the **EXO** and we kept most of the technologies: the **EDF** because it is the key to the

structure and the efficient force distribution, as well as the **COCOON CONCEPT**, the **ERGONOMIC PREFIT**, the **SEAMLESS NEOPRENE AREA** and the **DOWN HOLD SYSTEM**. The harness **SENSO** is the perfect compromise for any rider demanding comfort with an amazing fit and support.



ENERGY DISPERSION FRAME



ERGONOMIC PREFIT



SEAMLESS NEOPRENE AREA



COCOON CONCEPT



DOWN HOLD SYSTEM





**F-ONE SAS**  
ZAC de la Méditerranée  
170, Route de la Foire  
34470 PÉROLS - FRANCE

Tél. +33 (0) 4 67 99 51 16  
Fax. +33 (0) 4 67 99 61 93

[www.manera.com](http://www.manera.com)