



# THE VORTEX®

## A DELTA VOILES EXCLUSIVE

**THE ONLY FURLING GENOA THAT RETAINS 100% OF ITS EFFICIENCY**

**REGARDLESS OF HOW MUCH IT'S FURLED**

### THE VITAMIN SUPPLEMENT FOR YOUR CANVAS AS THE WIND INCREASES....

You sail with your family or otherwise..., you're retired... or far from it, but you spend a lot of time sailing. A lover of comfortable and peaceful cruising, you count on the seaworthiness and performance of your yacht, whatever the windspeed and point of sail. Our VORTEX® perfectly meets your quality requirements.

### THE INTELLIGENT SOLUTION FOR THOSE WHO WANT TO SAIL BETTER AND MORE...

Most furling genoas, made in the traditional way, deepen as soon as they start to be reefed. This leads to the boat heeling more, inconvenience for the crew and the reduces of the boat's ability to hold a course. But it's precisely when you have to reduce sail that you need all the efficiency of the genoa!

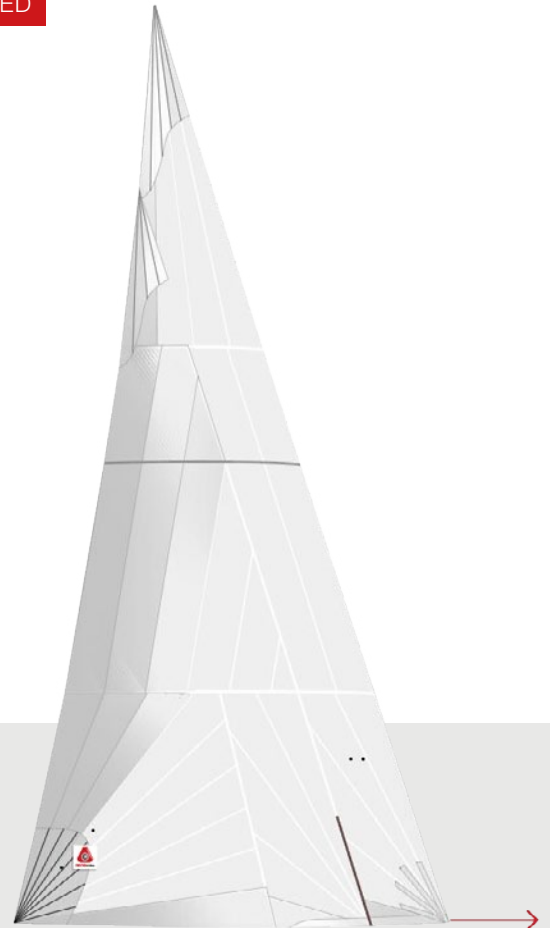
**In 2012 our design team created the VORTEX®,** the furling genoa that retains 100% of its efficiency regardless of how much it's furled.

Even partially rolled, our VORTEX®, with its special design, furls better than most genoas on the market, shows no "pocket" on the luff and above all still performs just as well!

#### **+ CRUISER/RACER OPTION**

- **Specific study of the sail area and its design** in order to perfectly meet the class requirements and the performance characteristics of the sailboat
- **Sail numbers**
- **2<sup>nd</sup> visualization strip**

SAIL SET



### THE SECRETS OF THE EFFECTIVENESS OF THE VORTEX®

- Panels designed with double tack point
- A **vertical battens** to smooth out creases from the tack
- **Head and tack reinforcements** that stick the fabric to the foil, with no hard points
- A design that benefits from **all DELTA Racing's experience**, backed up by championship wins all ver the world
- Available in triradial cut only, in the following fabrics: Hybrid from Contender®, DCX, PRO RADIAL or Hydranet Radial from Dimension Polyant or in DS black Kevlar double taffeta external membrane (or black Kevlar®/ Dyneema® mix)

### THE FURLING GENOA WITH MAXIMUM AND PERMANENT EFFICIENCY EVEN PARTIALLY FURLED

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### TECHNICAL CHARACTERISTICS

#### VISUALIZATION STRIP (LUMINOUS OPTION)

- Allows to better visualize the shape of each section of the sail
- Allows for better sail trimming to suit the point of sail and windspeed

- ⊕ **Airflow over the sail is better-controlled**
- ⊕ **Less heel**
- ⊕ **More speed**
- ⊕ **Maintain the best course**

#### THE ANTI-UV STRIP

Protects the entire sail, including the leech hem, from the effects of sun and rain when furled

- ⊕ **Less wear from chafe**
- ⊕ **Longer sail life**

#### TRIRADIAL CUT MADE UP OF MANY NARROW PANELS

Maintains the alignment of the loads with that of the thread of the fabric lower down on the sail

- ⊕ **Improved shape stability with VORTEX®**
- ⊕ **Maintaining quality over time with VORTEX®**

#### ORIENTATION MARK FOR THE GENOA SHEET AT THE TACK

Allows to control and optimize the adjustment of the genoa car depending on how much the VORTEX® is furled

- ⊕ **Less wear and tear on the VORTEX®.**
- ⊕ **Better genoa trim, therefore more performance in both course and speed**

#### THE SHEET AND HALYARD REINFORCEMENTS ARE RADIAL AND CUT IN THE SAME FABRIC AS THE SAIL

Ensures a uniform surface to the VORTEX®

- ⊕ **Shape stability**
- ⊕ **Maintains the qualities of VORTEX® over time**

#### THE 2<sup>ND</sup> TACK POINT

Allows to maintain the logic of a triradial sail even when furled up to 85%

- ⊕ **Maximum permanent efficiency of VORTEX® even partially furled**

#### BATTEN PARALLEL TO THE LUFF AT THE 2<sup>ND</sup> TACK POINT

Smooths out any creases caused by furling and gives a more attractive shape

- ⊕ **Improved air flow**
- ⊕ **Sailcloth works better**
- ⊕ **Extends the life of the VORTEX®**

#### THE PANELS ARE GLUED BEFORE BEING STITCHED; THEY GUARANTEE A PERFECTLY SMOOTH SURFACE TO THE VORTEX®

- ⊕ **Perfectly fluid airflow**
- ⊕ **Less wear and tear on the VORTEX®.**
- ⊕ **Increased longevity**