



Beneteau

Eight Outstanding Sail Features every Owner Should Know about.

Multi-Track Foam Luff System:

Correctly shaped sails generally have quite a lot of induced shape at the broadest section of the sail. As the sail is furled, more cloth should be removed from this area than elsewhere in the sail. This is impossible without luff foam. By making the Multi-Track Foam Luff in an elliptical shape to fit the draft profile of the genoa we achieve correct sail shapes more precisely for a broad range of wind conditions. This results in better performance, handling and ease of sailing while reefed.

Our Multi-Track Foam Luff System offers another unique advantage: on traditional foam luff systems with a single ply foam, the pad becomes permanently distorted after it has been rolled up for any period of time. Our Multi-Track System is made up of individual one-inch foam strips that provide total furling flexibility without ever distorting the foam or sail shape.



Roller Furling Mainsail Clews:

Our roller furling mainsails have several unique and important features not found on other sails:

- Firstly we finish the leech line with “snubbing eyes” and a metal cleat for maximum strength and life span.
- We equip the sail with a safety clew ring. Should the clew block ever fail (sheave, pin or other damage) the outhaul line can be led through the safety ring and the mainsail can continue to be used.
- Internalized webbing: The webbing that holds the clew block in place is placed *under* the U.V. protection on the sail. In addition, the webbing is covered with U.V. material where it exits the sail and wraps around the block, further insuring longevity.



Radial Head and Clew Design:

We utilize Challenge Sailcloth Radial Weave sailcloth in the head and clews of the main and headsails. This design helps to keep the overall weight of the sail lighter by reducing the need for heavy plies and the radial layout maximizes the inherent strength of the fabric. This means less cloth distortion and a longer lifespan for the sail. In addition this layout provides maximum strength when reefed.



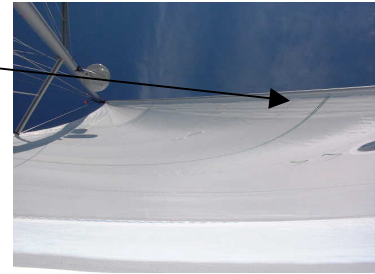
Leather Chafe / U.V. Protection:

The corners of our genoas are fitted with stainless steel external rings. The webbing protects the webbing and sail from U.V. while the sail is furled, leaving only the ring exposed. The webbing is sewn under the U.V. cover on the sail so both the webbing and thread are NOT exposed. This is the single best way to make roller furling genoa clews.



Trim / Draft Stripes:

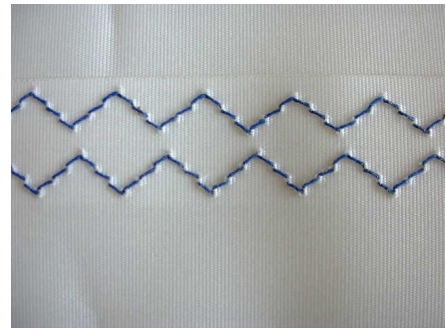
Both the mains and genoas are fitted with 2 sets of double trim stripes. These stripes add a visual reference point on the sail so that the sailor can see both the depth and shape of the sail. This is most helpful when trimming the sail for optimum performance.



Seam Construction:

We use the very best Hemmingway and Bartlett thread on our sails.

- Thread size is V-92 as compared to the industry standard V-69. This larger size makes the stitching stronger and last much longer in U.V. conditions.
- All seams are sewn with 2 rows of 3-step stitching. This stitch is approximately 1.75 times stronger than a conventional zig-zag stitch.
- The signature blue thread allows the sailor to quickly identify broken or chafed threads...before they become a problem.



Leechlines:

Leechlines are used to prevent flutter on the leeches of sails which can occur in certain conditions and/or when the sail is older and stretched a bit. We use a heavy-duty polyester cord that exits the sail through snubbing eyes and then to the cleat.

- The snubbing eyes reduce the load on the cleat and should the cleat ever fail, provides an alternative tying off system.
- Headsail leechline cleat is enclosed in a Velcro cover that is designed not to catch on the shrouds while tacking. In addition the cover has an integrated pocket for the 'tail' of the leechline.



Reefing Marks and Patches:

Both the roller-furling headsail and the roller-furling mainsail are designed with extended reefing patches. These patches extend along the foot at the tack and along the leech at the head and provide additional sail reinforcement when the sail is reefed.

In addition, the genoa is equipped with reefing marks (2 or 3 depending on model) that are used to present leads and reef positions. Details for setting up the genoa lead positions for each Beneteau can be found in our Headsail Tuning Guides.

