

Tri-Furl Genoa

“Reef-down patches” at head and tack reinforce the sail when used partially furled.

Famous Tri-Radial Quilt-Cut construction.

Leech and foot are protected from harmful UV degradation.

“SEAFOAM” Optional Foam padded luff.

Split-Weight Construction features heavier leech and foot fabric to handle high loads in these areas of the sail.

Lighter fabric in sail’s forebody for improved light-air performance and easier handling.



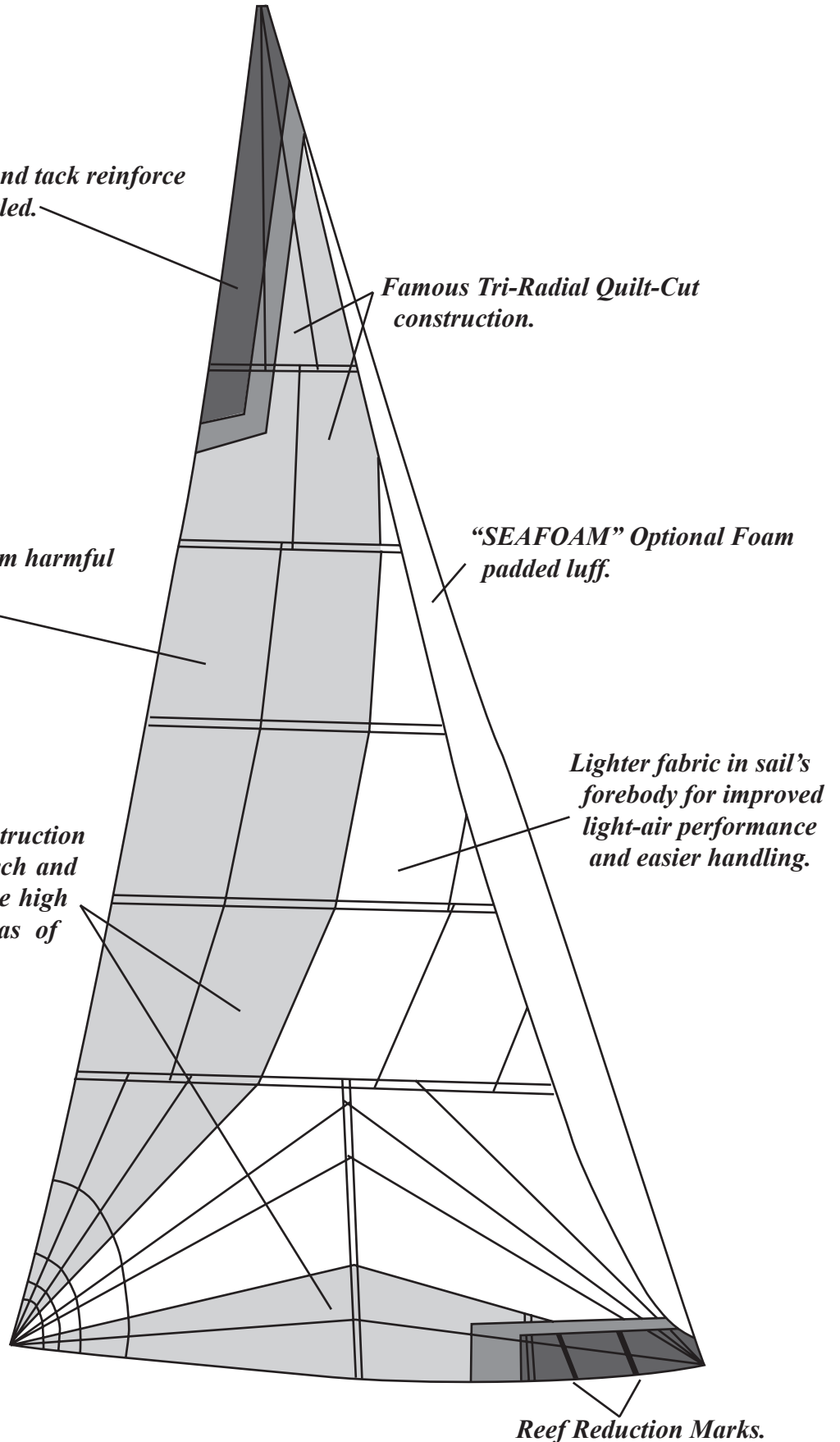
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Reef Reduction Marks.

The Tri-Furl Genoa

The Ultimate Cruising Genoa

Speed: The Haarstick design philosophy produces a fast Genoa that trims easily and predictably. A sail that will respond to the available trimming tools throughout its full wind range is our top priority. This goal is realized via our proprietary design and CAD program, and our Gerber cutter. This system, developed in house, fully optimizes every seam curve, luff curve, foot curve and roach offset – right down to infinitesimal fabric stretch corrections. This makes for a Genoa that performs flawlessly throughout its designed conditions.

No other sailmaker has as many years experience producing vertically and radially oriented genoas as Haarstick. Now cruising sailors can benefit from this experience with a sail built for their special needs – The Tri-Furl Genoa. It is absolutely the best engineered roller-furling Genoa on the market.

As the saying goes, “fast is fun”! Improved windward performance; being able to point a couple of degrees closer to the wind can eliminate the need for a couple of extra tacks on the cruise to your weekend rendezvous. You get there faster and the boat is livelier and more fun to sail giving you more time to enjoy the trip.

Ultra-Violet Protection: UV protection on the leech and foot is a standard feature of the Tri-Furl Genoa. Several types of UV protectant fabrics are available. Your Haarstick Sailmaker can provide you with specific information to help you decide which is best for your needs.

“Reef-Down Patches”: Extra reinforcement layers in the head and tack distribute the loads into the body of the sail when the Tri-Furl is partially furled or “reefed.” These reinforcements prevent the leech and foot from being overloaded and becoming distorted, a function that traditional acrylic covers alone simply cannot perform. In addition to these “reef-down” patches, we install reduction marks to let you know how much sail area you have reduced, and when you are reaching the practical limit of reefed performance.

Seafoam Luff Flattener: For improved performance in heavier conditions when reefed. The “SEAFOAM” padded luff draws excess fullness from the mid-section of the sail as it rolls around the headstay making the sail flatter and keeps the draft-forward.

Construction: Every Tri-Furl Genoa is made with the same attention to fabric quality, proper engineering of the construction and finishing details that go into every racing Genoa. Our goal is to insure that you will receive the finest Genoa available. The sail shapes generated are backed by a solid knowledge of aerodynamics, two years of wind tunnel testing at Stevens Institute for a Master’s thesis, and 40+ years of design experience.

Every seam curve, luff, foot, and leech curve is faired on our proprietary CAD program, before the panels are nested and prepared for our Gerber cutter. Our design and CAD programs are proprietary software, developed in house. Our Gerber Cutter is the most accurate sail-cutting machine in use anywhere in the world (Resolution of 8/1000”). No other sail cutting method,

by hand or by some other computer cutter, can match this. The result is the highest quality Genoa for whatever type of boat you have, race or cruise.

Durability: To make the most durable sails, you have to use the best sailcloth. But you can’t tell what cloth is good by just looking at it, or by “feel”, as the “old-timers” used to do, you have to test it. Our cloth-testing program began in the sixties, and has continued ever since. We believe that we test every batch of upwind cloth with the most thorough and rigorous testing procedures in the sailmaking industry. We not only test cloth when it is new, but we severely “beat” it up with our proprietary IMPACT FLUTTER testing program, and retest the cloth. The loss of strength after our Impact Flutter test is quite amazing, and the results of this test determine the durability of the cloth, and, most importantly, if we will accept the cloth and have it shipped to us. Over the years, this fabric research program has generated an enormous amount of data on all kinds of sailcloth. No loft tests sailcloth like we do. No other loft uses a test procedure as severe as our unique “Impact Flutter” test. This benefits every sail we make, race or cruise, working sail or spinnaker

Nobody tests sailcloth like Haarstick: Proper panel layout, corner reinforcement, and seam assembly play a vital role in the longevity of your sails. The benefits of this attention to detail are visible in every sail we make. Our cloth testing facility, combined with centralized inventory and panel cutting is fundamental to our sailmaking system assuring absolute product integrity. As an industry leader in the field of sail design and construction, you can count on your Tri-Furl Genoa for years to come.

The Tri-Furl Genoa can be designed when partially furled to have an upper wind range of 25- 30 knots apparent, but is more commonly used unfurled in more moderate wind ranges. When the wind gets over 30 knots, we strongly recommend that you have aboard a second heavy-air or storm jib, of suitable weight and construction. The list of possible problems at sea is endless and it is only prudent to have a back-up sail.

Value: Compare us to the competition! No other sail is built with as much attention to detail as a Haarstick sail. Engineering excellence, exhaustive fabric testing, strong customer service and attractive prices all add up to solid value.



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