

dolphin sails Genoa



Genoa Selection Guide

At Dolphin our philosophy is to apply the same attention to detail no matter how large or small the boat, whether racing or cruising. We help guide our customers through the sail selection process to ensure that they have the correct sail option to suit their sailing needs and expectations.

Where possible we will measure the boat's rig, set-up characteristics and discuss with you any personal preferences. Our experience with building racing sails enables us to bring a wide based knowledge to the design and construction of your cruising sails. This experience is invaluable for the production of sails with excellent shape holding, sails that help you to get to your destination as quickly as possible. Boatspeed is important. How often do we hear "I'm not worried about boatspeed", but when we actually get out there we tweak and trim to try to get past the boat in front? We can't help ourselves!

Of equal importance of course is the ease of handling and use of a sail. Dolphin take care to ensure both the sail handling and sail handling systems make your cruising as pleasurable an experience as possible.

Furling Genoas

Dolphin furling Genoas are based on the shapes we have evolved during countless hours in our research and testing for racing Genoas. Subtle differences have been incorporated that are furling Genoa specific. The luff entry has been given a more round user-friendly shape whilst the leach exit is shaped to help accommodate the UV strip that most furling Genoas have. We would recommend the addition of a foam luff to help maintain a flat shape when partially furled.

Sail Design & Construction



Cross Cut



Tri Radial



Membrane



A wide range of fabrics are available from the highly durable woven polyester (dacron), through to single and double taffeta laminates. Dacron fabrics are generally used in a cross-cut construction giving good shape holding and great longevity. For enhanced shape holding, weight saving and speed, a tri-radial construction utilising the warp orientated laminated fabrics is employed. Greater performance will be achieved with a Pentex laminate whilst Vectran/Dyneema will produce the best shape holding capability in panelled sails.

Membrane sails produce the ultimate in performance and shape holding capability. Each Membrane is designed bespoke to the yacht and customer needs. There are various yarn options that we use to create the sails using Kevlar/carbon/dyneema or Vectran to get the best longevity and durability.

Cloth Selection

Our cloth is chosen from the world's leading sail cloth manufacturers. Whilst we can supply all fabrics, below is a guide to the recommended cloth options from the Contender and Dimension Polyant.

Woven Polyester (dacron) for *Cross cut* sail options

Fibercon AP
Fibercon Pro
Fibercon Pro Vectran



Woven polyester/dyneema for *Tri radial* sail options

Hydranet Radial
Pro Radial (polyester)

Cruise Laminate for *Tri radial* sail options

Polyester (mylar) Cruise laminate - DCX
Pentex Cruise laminate - DCP
Dyneema Cruise laminate - DYS available in white and grey
Carbon/Dyneema Cruise laminate - GLXD



Membrane options

Twaron Yarn
Carbon Yarn
Dyneema Yarn
Available in a mixture of yarns along with single or double taffetas

Sail Specification - Cruise

Tri Radial

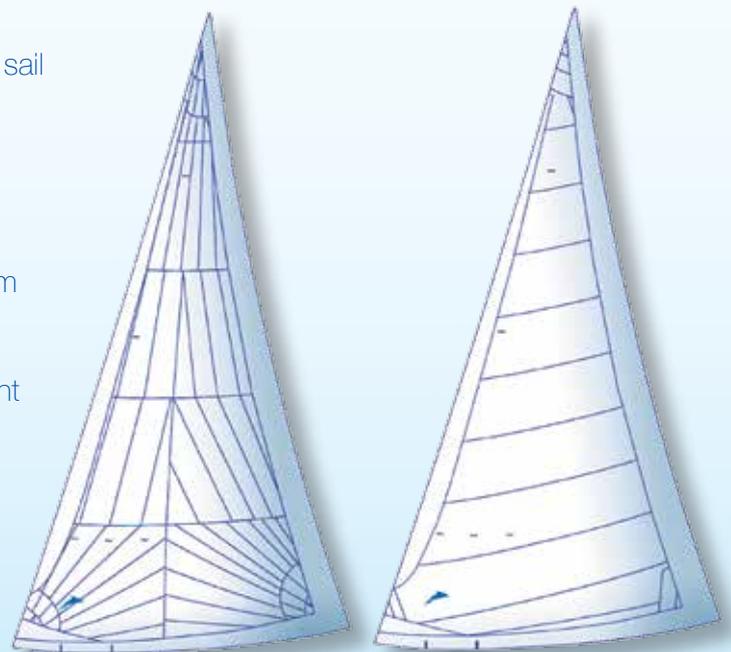
Dolphin tri-radial furling Genoa's offer the lowest stretch and ultimate shape holding capability for the cruising sailor seeking the highest performance. The complex panel construction is finely tuned to match the catenary load paths in the sail. A range of fabrics are available from woven polyesters to taffeta laminates in polyester or Pentex through to Carbon and Dyneema.

Cross Cut

Dolphin cross cut furling genoa's utilise the highest specification dacron fabric. This provides high strength, low stretch, durability and longevity, the prerequisites for any cruising sail. Whilst cross cut, the panels are orientated in a 'rocked' arrangement that aligns the stronger fill orientated fibres carefully with the catenary loads in the sail.

Cruise Specification

- High quality woven polyester or cruise laminate fabric
- Highly refined designs utilising the latest SMAR Azure sail design technology
- Full radial patching to reduce creasing for reinforced areas and to absorb loadings
- Two and three step stitching using Hemingway and Bartlett thread
- Low stretch leech and foot lines using either aluminium or plastic cleats depending on sail size
- Leathered webbing attachment at head and tack
- Stainless steel or soft webbed ring for clew attachment
- UV sun guard on leech and foot
- Multiple tell-tales allowing viewing when reefed
- Foot markers for reefing guidance
- Drawstring sail bag
- Sail ties



Cruise Specification Extras

- Flow Stripes
- Glo flow stripes
- Sail numbers
- Saillkote plus treatment
- Vertical battens for non-overlapping jibs

Sail Specification - Atlantic

Our proven 'Atlantic' finishing upgrade is a must for all sailors who are planning on blue water cruising, more than 50% of our customers select this upgrade for their new sails.

- Extra reinforcing on all areas of the sail that are under stress and load
- Covered webbing for UV protection
- Additional patches are added where needed using leather or heavy duty webbing to reduce chafing
- UV sun guard on leech and foot in WeatherMax 80 fabric
- Foam luff for retention of shape when partially furled
- Double taped leech/foot
- Purchased leech line tensioning system in cloth pockets
- Additional webbing strainers from rings and headboard
- Additional corner patching
- Flow stripes
- Sail numbers and Insignia
- Drawstring sail bag

Extra Features

- Tenara Thread
- Saillkote+ treatment
- Glo flow stripes



UV Sun Guard

Our UV sun guards are fitted in Odyssey as standard with the option of a WeatherMax 80 fabric upgrade, this depends on your application and also weather the UV guard needs to match in with the cover colour scheme on your boat. If you are planning on sailing abroad in high UV areas then the weathermax fabric is a must.

The UV Sun guard is stitched to the leech and foot of the headsail. The side that the UV is fitted depends on which way your furling gear turns when being furled away. We recommend that if you are not wanting to fit a UV guard then you either purchase a Genoa Sock cover or take your headsail down when leaving the boat for long periods of time.



Foam Luff

Foam luff helps with retention of shape when partially furled. The foam luff inserts work by helping to suck out the unwanted sail shape when sailing with the sail partially furled. It reduces the unsightly creases that form from the head and tack of the headsail and create a smoother entry, in turn enhancing the sail shape and performance whilst sailing with the genoa partly furled.

Sailkote Plus UK

- Mildew protection - virtually eliminates the chances of mildew attack
- Tighter furling headsails - reduced windage
- Reduced wear - less friction and chafing
- Sail setting - offwind sails handle and set easily
- Cleaner and dryer sails - repels water & dirt resistant
- Proven track record - tried and tested on thousands of sails

SAILKOTE PLUS UK

Tenara Thread

- UV and weather-resistant
- Unaffected by sunlight UV (ultraviolet) radiation
- Unaffected by weather including water or saltwater
- Will not rot or decay



Dolphin Sails,
400 Main Road, Harwich,
Essex, CO12 4DN
T: +44 (0) 1255 243366
E: sails@dolphin-sails.com

www.dolphinsails.com

Hamble office:
T: +44 (0) 2381 980090
E: south@dolphin-sails.com

West Mersea office:
T: +44 (0) 1206 384412