

dolphin COVERS

Marine Tensile Awnings



Over Boom Tensile Awning

The concept of the over boom tensile awning is to provide weather protection, primarily from the sun, for the guests, crew and the boat. Whilst the bimini provides some protection, for most boats the over boom tensile awning offers around 2 ½ times the coverage.

The benefits are sun protection for the crew and large portions of the deck whilst providing a noticeable reduction in overall boat temperature. After a short while with the awning in place the air conditioning usually turns itself off. This of course provides a further benefit of reducing generator hours and diesel consumption.

A further advantage is protection from rain in less than clement weather, indeed the extra covered space almost acts as a further large social area.

The over boom tensile awning comes in 2 possible options:



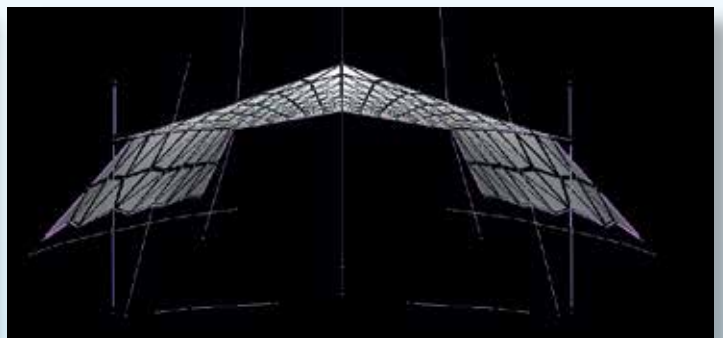
1. Lays along the boom



3.



2. High central peak that is hoisted with the passarelle halyard or topping lift.



3. & 4. - A high peak foredeck awning showing the CAD design and when erected on the yacht

The peaked version provides an increased feeling of space under the awning but does require the use of a halyard.

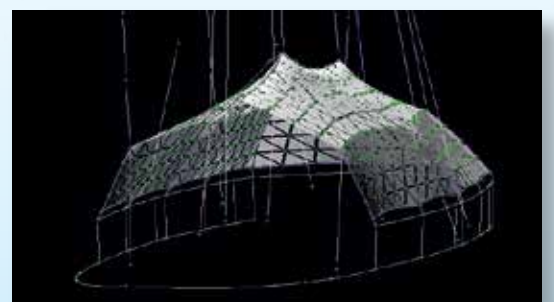
Upgrades & Extras



Design & Fabric

- The design of our Tensile Awnings is enhanced with the use of the 'form finding' software. This method produces a result that is impossible to achieve by traditional techniques.
- Each awning starts with precise digital Proliner measurements taken on board the yacht.
- Proliner measuring and 'form finding' software allows us to create CAD 3D models of the finished awnings.
- This software allows our designer to stimulate different wind conditions and angles on the awning to ensure that we create the strongest, most stable structure possible.
- WeatherMax 80 - WeatherMax is a fabric that combines breakthrough UV technology with water resistance and durability. WeatherMax is the perfect balance of science, resilience and style.
- The new WeatherMax fabric has taken away the need to make a choice between a waterproof and a breathable fabric by offering a solution to both. The WeatherMax has a HydroMax finish which ensures there is no need for extra coatings. This makes the WeatherMax lightweight, water resistant, non-sagging and durable. The HydroMax finish also provides excellent breathability to help reduce condensation and mildew.

Weather**MAX**[™]



Key Features

- No battens or spreader poles required.
- Very lightweight, making for easy and versatile storage.
- Takes minutes to assemble and pack away.
- Protects guests, crew, deck instruments, brightwork (varnish) and paintwork.
- Optional mesh side and fore/aft panels act as wind-breaks and offer increased privacy on deck, whether in port or at anchor.

Aft Cockpit Tensile Awnings



Key Features

The ideal concept is to have an awning that can utilise attachment points that already exist on the boat. This usually comprises the cap shrouds, runners and or spinnaker halyards taken over the top of the rig and fastened to a strong point as far aft and as wide as possible on the boat. This is usually the spinnaker block attachment points near the gunwhale. Additionally the backstays, whether single or twin, are used if applicable.



- All the above are usually adequately strong enough and indeed the firm tensions that are used to deploy the awning are comfortably within the normal dynamic sailing loads. We have consciously tried to avoid the use of battens that take time to deploy, can induce chafe and the need for a place to store them when not in use.
- After a little practice (maybe 3 or 4 times) it should be possible for 2 people to deploy the awning in under ten minutes and remove it in even less time.
- The awnings can have optional zip-on side panels, either in solid fabric as the roof part, or in a mesh fabric. The mesh fabric allows the passage of any cooling breeze that exists thereby affording further shade and cooling.
- The mesh side panels allow vision from inside the cockpit out but restrict most of the vision from the outside in. Rather like the smoked windscreen of a car, a further advantage for the privacy it gives.
- With the form finding software it is possible to design an awning shape that can cope with greater wind strengths than a conventional flat panelled design. This all depends of course on whether the yacht is at anchor (with the ability for the yacht to swing and therefore dissipate some of the force) or at a marina berth (with less ability to dissipate the energy).