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## Coolaroo Ready-Made Sail Shade Installation

*Please note that this is a general guide, as printed in the Coolaroo leaflet that accompanies all Coolaroo Sails and is not necessary the views of Solent Sail Shades Ltd. Please contact us for further advice.*

**Building Approval:** Prior to installation of a Sail Shade, it is good to check with local authorities (Council) for any relevant building regulations which may exist.

**Suitable Location:** Before you begin installation it is very important that you consider the most suitable location for your shade sail(s). Take into account the following:

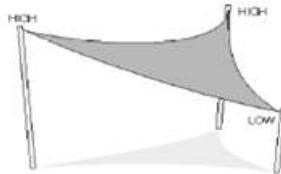
- Size of the sail shade/s
- Strength of existing structures intended to be anchor points
- Location of barbecues, sun direction, high wind areas, electrical/telephone cables, water pipes etc.

There could be other factors, specific to each situation, which may require consideration.

### POSSIBLE SAIL CONSTRUCTIONS

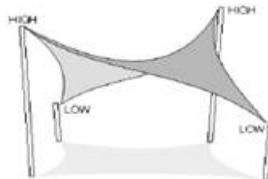
#### **Resort Style (Triangular Sail):**

For a Resort Style effect we recommend constructing the triangle sail with one end at a low point and two ends at higher points. Example shown in the picture below.



#### **Hyperbolic Style (Square Sail):**

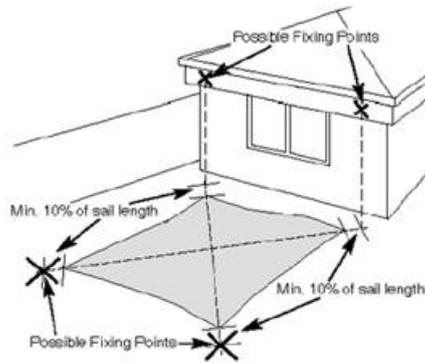
For a Hyperbolic style we recommend constructing the sail with two diagonal ends at a high point and two ends at diagonal lower points.



When establishing the sails' lower points, make sure they are suitable for water run-off

### DETERMINING THE CORRECT POINTS

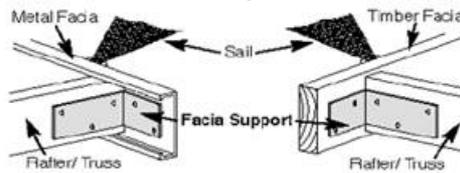
Once you have identified the location for your sail shade(s) it is important to determine the most suitable fixing points for the sails' corners. Some of these fixing points could already exist (E.g. pergola, sundeck, large tree, fence post or fascia). This stage of installation is critical. You should ensure all fixing points are structurally sound, and if unsure about fixing points, obtain secondary advice from a builder or engineer. A fixing height of at least **2.4m** is suggested. In the chosen area, lay out the sail in a relaxed state to determine suitable fixing points. Allow a minimum of an additional 10% of sail length between each fixing point and the end of the Sail's fixing accessory for tensioning. Consider relevant building regulations, sun direction and surrounding hazardous elements. See example in picture below:



**EXISTING SUPPORTS**

**Attaching to Fascia:**

If you intend to fix your sail shade to a fascia, the use of a Fascia Support is strongly recommended. The Fascia Support is used to connect the overhangs of rafters or trusses to fascias giving strong connection between the two and improving strength. Fascia Supports are available from your local hardware outlet.



**Attaching to trees:**

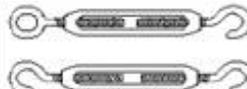
We recommend that the fixing of sail shades to trees be for TEMPORARY USE ONLY. The diameter of the tree where the sail will be fixed must be at least 250mm.

**SELECTING FIXING ACCESSORIES**

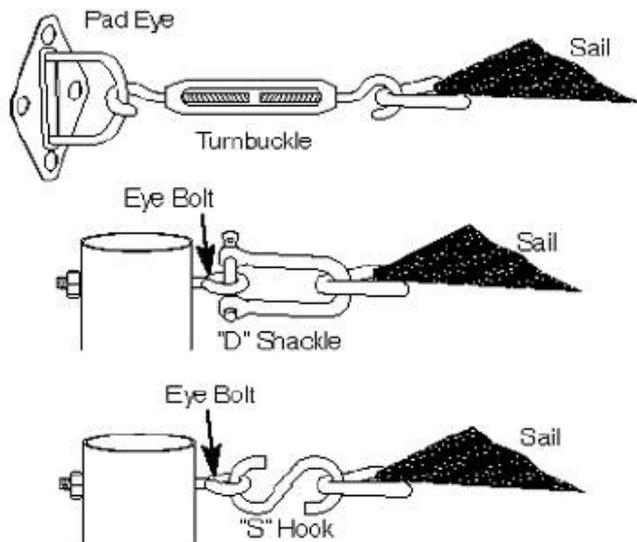
There is an extensive range of stainless steel fixing accessories available to secure your shade sail(s). These accessories are readily available from Solent Sail Shades Ltd.

**Important: At least TWO of the sail's fixing accessories must be tensioning devices.**

A rope or chain can be used to extend your sail shade to a fixing point if required. Select the fixing accessories which best suit your own installation. See picture below for example of possible combinations of fixing accessories.

	<b>TURNBUCKLE:</b> to attach Shade Sail corner ring to a fixing point and provide tension on the Shade Sail.
	<b>'D' SHACKLE:</b> Use to link Shade Sail corner to Pad Eye or Eye bolt.
	<b>PAD EYE:</b> To attach Shade Sail corner ring to a wall in conjunction with 'D' Shackle.
	<b>'S' HOOK:</b> Use to link Shade Sail corner to Pad Eye or Eye Bolt.
	<b>EYE BOLT:</b> To attach Shade Sail corner ring through a timber stud, steel pole or solid support.
	<b>SNAP HOOK:</b> Used to link Shade Sail corner to Pad Eye or temporary use.

**Some possible combinations of fixing accessories:**



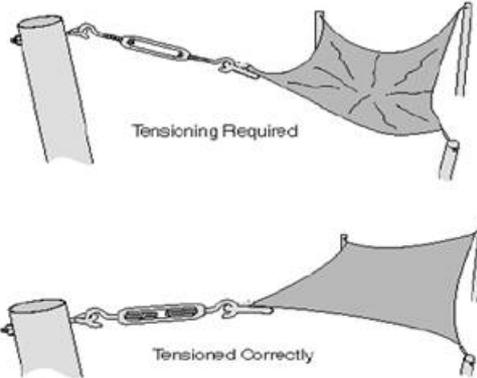
## **CONNECTING THE SAIL SHADE**

Connect fixing accessories to mounting points as required. Ensure all accessories face towards the middle of the sail and tightly secured.



### ***Tensioning:***

Connect all points, using a strap-tensioning tool if necessary to gain increased leverage. Stop tensioning when the sail shade is rigid with a little or no creases.



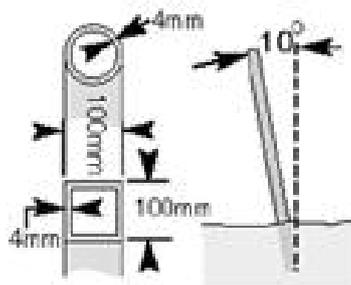
### ***Disclaimer:***

These instructions are to be used as a guide only. Installation requirements can vary depending on factors such as soil types, anchor points, wind conditions in your region, etc. Solent Sail Shades accepts no responsibility for installations. If you are unsure about your specific installation requirements, please consult with a qualified builder or engineer.

## **ADDITIONAL SUPPORT**

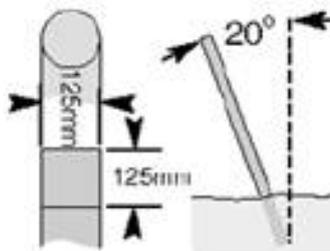
### ***Steel Posts:***

If additional posts are required, galvanized steel posts are suitable and are available from either Solent Sail Shades Ltd or local steel supplier. Steel posts can be cut to predetermined lengths and painted to a colour matching your shade sail and environment. We recommend the use of a minimum 100mm diameter round or 100 x 100mm square galvanized steel post with at least 4mm thickness. An angle of at least 10 degrees is also recommended for steel posts sloping away from the centre of the sail.



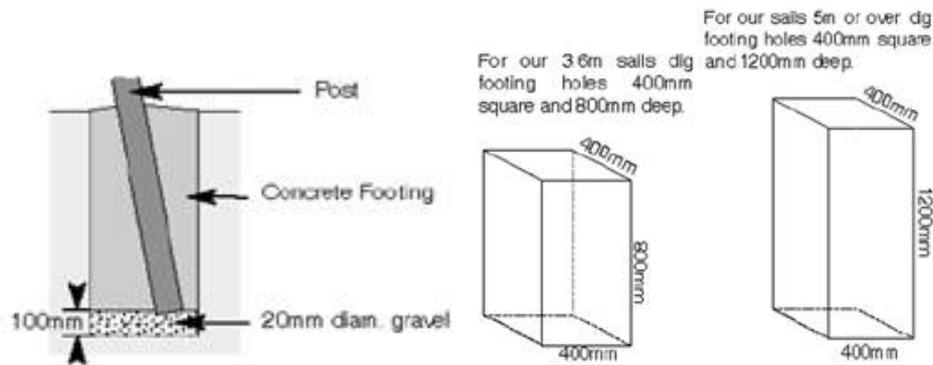
### ***Timber Posts:***

We recommend the use of a minimum of 125mm diameter treated timber posts. An angle of at least 10 degrees is also recommended for timber posts sloping away from the centre of the sail. Consult your local timber merchant for the appropriate class of treated timber for your region.



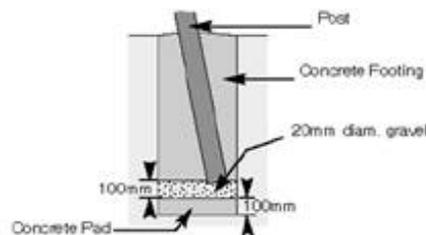
## **FOOTINGS**

Dig footings with the centre of the footings as the approximate location point of the sail. Dig footing holes as illustrated.



### ***Firm Ground:***

Lay a 100mm (4") depth of 20mm (3/4") diameter gravel at the base of the post. Add concrete and brace post on angle.



### ***Soft Ground:***

Pour a 100mm (4") depth of concrete at the bottom of the hole to provide a solid pad. Allow to set. Add gravel, post and the required amount of concrete. Temporarily brace the posts on angle.

## **CONCRETING**

Mix concrete in line with manufacturer's instructions. These will be labelled clearly on the packet. Rapid Set concrete is not recommended. Your local concrete supplier will be able to give you any special advice you may require for your own conditions.

Pour concrete into the top of the footing hole ensuring it is packed well. Make sure the concrete surface is sloping away from the posts to assist water drainage. Allow poles to set in concrete for a minimum of 48 hours. Brace if required.

## **WARNING**

Your sail shade is designed to provide UV protection and comfort in domestic areas. When selecting the position for your shade sail, ensure all fixing points are structurally sound and fixings are tightly secured. Inspect regularly. Prior to installing, consult your local council/authorities regarding building regulations which may apply in your area. Exposure to certain chemicals, e.g. chlorine, can lead to the premature breakdown of the fabric. Chemicals to be used on or around the fabric should be referred to Solent Sail Shades regarding their use. Do not have fire or open flame close to the fabric. Do not use your barbecue under the shade structure.

## **CARE INSTRUCTIONS**

Your Shade Sail(s) may be cleaned at any time using a solution of mild detergent and water. Apply the solution with a sponge or a very soft brush. Let the solution stand on the fabric for 10 minutes and then rinse thoroughly with water from your garden hose. DO NOT put the fabric in your washing machine, clothes drier, or scrub with a stiff brush, scouring pad or an abrasive cleaner.