

Sun Shade Sail Installation Tips

Tools needed: Ladder, drill with appropriate bits, screw driver, hammer, possible chain, cable or rope.

Read the instructions prior to starting in order to determine any additional hardware needs!!

1- Sight Selection- Determine where you want to create shade with your Sail. Lay the unit out to determine the best potential points to which you want to attach the Sail via the "D" rings at the corners of the Sail. You may choose to use trees to attach the unit. Keep in mind the direction of the sun and where you want the shade projected. It may be necessary to have the Sail slightly to one side of the point where you want shade projected. Keep in mind as the sun moves, shade also moves. If a child's play area is involved you may want to consider the time of day when most frequently used by the child. Another option is to use multiple units placed at strategic points.

2- Installation/location of fixing points- If you purchased a triangular Sail, you have 3 points to secure the sail. A square or quadrilateral sail will have 4 points to secure. Depending upon installation requirements, you may have enough hardware supplied (**note some units are sold without hardware**). Several types of hardware may be required. Either pad eyes (shown) or eye bolts which are available at any hardware store are needed for each point of attachment and are used as the permanent fixing point to a structure such as a pole, tree, fence or house. Once you have the Sail laid out you may want to realign the corners toward a fixing point (house, pole, tree). Once you have identified the points (either 3 or 4 depending on the Sail) you will install a pad eye or eye bolt to each fixing point. The corners of the Sails should be hooked to the Sail with an "S" hook or snap hook with the exact amount of tension on the Sail. Keep in mind that two of the Sail's fixing accessories must be tensioning devices, i.e., turnbuckle as shown or strap (ratcheting device). In addition, you may need something, i.e., cable, rope, chain, etc. to extend from the pad eye or eye bolt to the Sail.

***If additional poles or posts are used they must be installed with concrete or properly buried in order to adjust Sail's proper tension.**

3- Be Creative- You may need to add a metal or wooden post as a fixing point off the end of a patio or deck. You may need a chain or cable to extend the sail from the structural fixing point to the point you need. You may actually install 3 or 4 poles in an area around the play area to which a Sail could be attached. The beauty of the Sail is its versatility and flexibility. Use multiple units at different heights to give structure and balance to the garden.

4- The Key point to remember is the need for at least two tensioning devices which allow for adequate tension on the Sail to prevent drooping. The fixing points are up to you as long as they are aligned correctly. Use the amount of chain, cable or rope to achieve the correct distance from the structural fixing point to the Sail "D" Ring. On the corner points of the Sail to which a tensioning device is not used we suggest either an "S" hook or a Snap hook as shown. This allows for the attachment of the "D" ring to the structural fixing point.

5- Assistance in mounting your Sail- Once you have the 3 or 4 fixing points located, install an eye bolt or pad eye **securely** in place at each of these points, you are ready to install or mount the Sail. We recommend having an extra person to help since you will be using a ladder. If mounting a square Sail, hook the snap hook onto the "D" ring and then the snap hook to the pad eye. You may be using a cable or chain extension and require an additional snap hook to secure to the fixing point. Next move to the opposite corner. You may have a chain or cable extension here also and need a snap hook. **This corner will also need a tensioning device like a turnbuckle or ratchet strap.** The correct length of any extending cable or chain is critical since you must allow room to attach the tension device and tighten until the Sail is pulled tight. Next move to the other corners and repeat the process. Once in place, you may want to move back to the initial point and retighten. The same installation procedure is used with a triangle except there are no opposite points. You will use only one tensioning device on a triangular Sail.

PLEASE NOTE:

These Installation Tips are to be used only as a guide and installation requirements will vary based on each installation. Powell and Powell accepts no responsibility for damage or injury. Should you have any questions concerning correct installation at your site, it is your responsibility to contact a reputable builder or qualified engineer prior to installation.

*Fire or open Flame should not be used under or near this fabric as continuous exposure could melt or ignite.

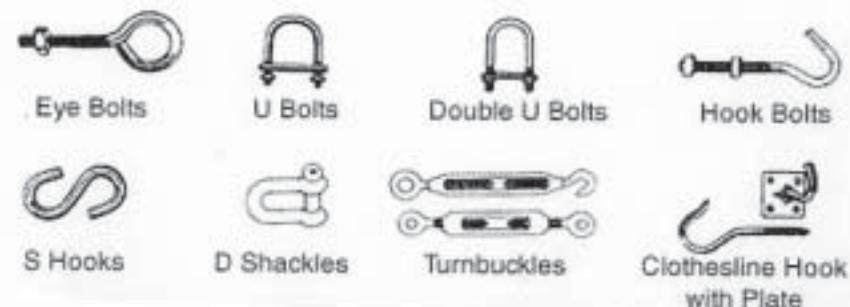
*Do not use chlorine on this product to clean as it will reduce the life of the fabric.

*Do not wash in chlorine bleach product or washing machine.

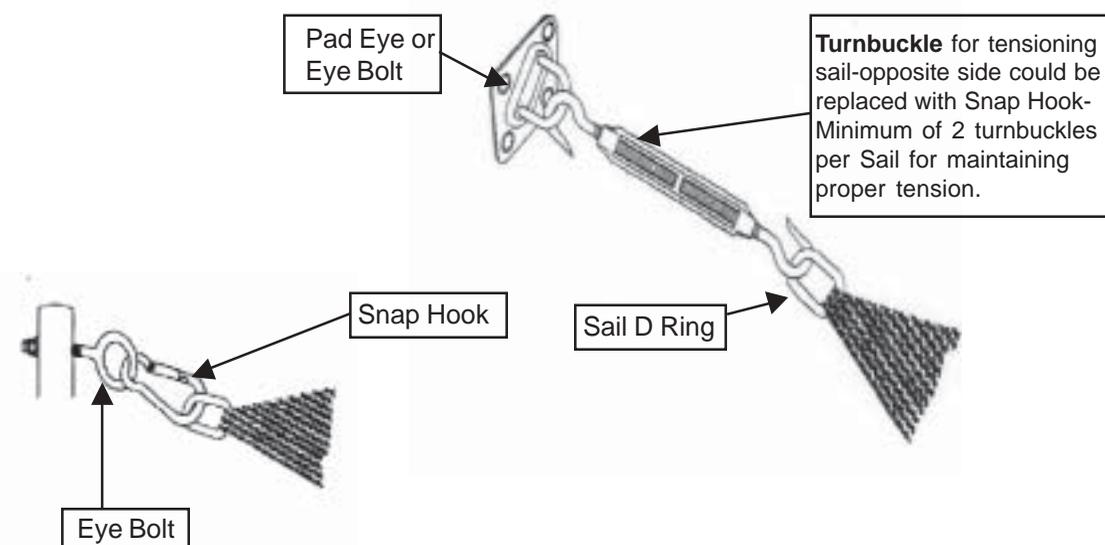
A garden hose with a mild detergent solution and warm water can be used to clean this product.

The product is manufactured for Powell and Powell Supply, 402 McKinney Parkway, Lillington NC 27546

Warranty Period- One year limited warranty from date of purchase for any defect in workmanship. In order to receive a discount or free replacement you may have to return the defective cover to our warehouse for inspection before a replacement is sent. **You must, in all cases, provide a copy of your receipt showing the date of purchase, model number, and price.** This product is not warranted against wind, snow, or other weather damage. Product should be removed and stored when not in use for long periods of time. Construction is of Polyethylene with nylon reinforced banding. This product may stretch and require tension adjustments from time to time.



Additional Hardware which could be used in installation.



MADE IN CHINA