

## **GENERAL GUIDELINES FOR INSTALLING YOUR SUN DOME FOR SOFT-SIDED POOLS:**

\* You will need at least two (2) people to install the Sun Dome. On larger pools you may need more help to install the rafters and the vinyl dome.

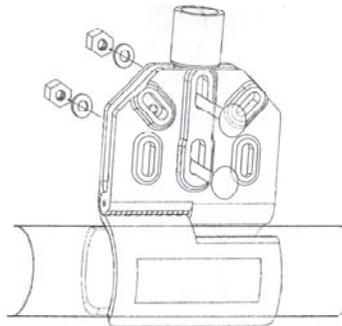
\* If your pool has a railing or deck around it, installing the Sun Dome will be difficult. There **must** be space between the top ledge of the pool and the deck to install the vinyl cover and to tie down the dome properly.

\* **IMPORTANT!** Install the Sun Dome on a day when there are no gusty winds, preferably a day that is sunny and calm.

**BE SURE YOU HAVE ALL THE PARTS!** An illustrated parts list is packed in the frame carton.

**THE FABRICO SUN DOME IS NOT A WINTER COVER!** It extends your swimming season. We will not be responsible for failures or damage due to snow load.

### **STEP 1: INSTALLING THE SOFT-SIDED BRACKETS TO THE POOL.**



The above diagram shows how the bracket is to be placed on the top railing of your soft-sided pool. Open the bracket as wide as needed to fit on the railing of your pool. Once the bracket is on tighten the two sets of screws to secure the bracket onto the railing. Then attach the spline into the top white piece by loosening the screw on the side then tighten to secure. Do this for each bracket. Then take one of the 40 1/4" aluminum tube and test fit all the brackets. Each bracket should have an angle of 60 degrees.

### **STEP 2: ASSEMBLE AND INSTALL THE RAFTERS (ROUND POOLS)**

\* On the ground next to the pool, assemble all rafters. (Refer to the illustrated parts list for an example of your dome). This illustrated parts list should show you how the rafters go together and attach to the spider at the top.

\* **Caution!!!** Check the top of the spider for burrs or rough spots on the casting. If you find any, file or sand them smooth with a file or sandpaper. Rough spots or burrs can damage the vinyl cover.

\* Next place two rafter assemblies opposite of each other on the spider. **A helpful tip is to tape the first set of rafters on to the spider with silver duct tape to prevent them from turning or falling out while you are putting them up.**

\* Next with one person holding each rafter end and pushing towards the spider, carefully lift and walk the assembly over the pool and place the rafters in the brackets.

\* **Another helpful tip is to tape each joining point of the rafter set with silver duct tape to make it much easier to install.**

### **STEP 3: ASSEMBLE AND INSTALL THE RAFTERS (RECTANGLE POOLS)**

\* On the ground next to the pool, assemble all rafters and ridge beams. (Refer to the illustrated parts list for an example of your dome and how the rafters and ridge beams go together).

\* **Caution!!!** Check the top of the spider for burrs or rough spots on the casting. If you find any, file or sand them smooth with a file or sandpaper. Rough spots or burrs can damage the vinyl cover.

\* Note: The rafter tubing comes in matched sets. The Ridge Beam tubing should be what is left after you have put together all the rafter sets. Check your illustrated parts list packed in the frame carton for quantities and measurements.

\* Also casting part #061705 has a right and left hand application. This application is made simple by installing one right side up and the other upside down.

\* Next do the upper roof brace assembly. For each Sun Dome you will have two roof braces to attach. They go between the rafter sets one in from each end section. Each such assembly consists of two sections of aluminum tubing, a pre-drilled hole in the top piece of aluminum on each set of tubing, a roof brace, and one aluminum casting (#061701). It also consists of two screws to attach the roof brace to the aluminum tubing. See figure below.



\*Next after all sets of aluminum tubing are laid out and all the rafters laid out you are ready to begin putting up the framework. A helpful hint is to tape each joining point of the rafter set and where the tubes join to the castings with silver duct tape. This will make it easier to install and prevent the assembly from twisting or coming apart while you install them. You should install the end sections first to give you some stability. Again refer to the illustrated parts list to see how this goes up. Once the end sections are up you can start to add the cross pieces to make it more secure. You will be using our cross-t and end-t to add the crosspieces. The cross-t and the end-t assembly along both sides of the enclosure should be fastened approximately 6 inches below the bend of the tubing. Use square nuts, allen bolt, and aluminum clamps for this installation. The end-t is made up of two pieces of aluminum and one nut and bolt. The cross-t is made up of two pieces of aluminum and two nuts and bolts. The screws should be turned snug but avoid over tightening or you will bend or otherwise distort the fitting. Before tightening the end and cross t, make sure that the framework is standing reasonably straight in all respects. Remember, this is not a rigid structure it must roll with the wind. But it should be reasonably straight and true upon installation. See figures below.



END-T



CROSS-T

\*Once the end sections and cross sections are up, you can begin to put up the rafters and castings on top of dome as well as the side sections. Again please refer to the illustrated parts list to see how these go up. Silver duct tape can also be used with these sections to hold the tubing and castings together. Once these sections are up you can add the last few cross pieces to the sides as follow the directions as before. When you are done you should double-check everything and then you are ready to install the cover.

#### **STEP 4: INSTALLING THE VINYL DOME**

\* If you have the space, spread out the vinyl dome on the ground near the pool and allow the sun to warm the vinyl dome. When you are ready to put the vinyl dome up on the frame, position the vinyl dome so that the door is close to where it will be located on the frame and the window zippers are to the outside of the cover.

\* Thread the 3/16" polypropylene line through two or three grommets in the outer seam of the vinyl dome on the side opposite the doorway and knot it securely.

\* Walk the other end of the 3/16" polypropylene line around to the outside of the pool and over center spider for round pools or the center ridge beam for rectangle pools. For longer ovals it may be easier to tie the rope over 2 places. Slowly pull the vinyl dome up to the center and then fluff the remaining portion of the cover, as you would a bed sheet, while continuing to slowly pull the cover over the top. Additional persons should be located around the pool to assist in lifting and feeding the vinyl from one side to the other.

\* **CAUTION!!!** Take care that the vinyl cover does not catch on the rafters. If it does, gently lift it off before continuing.

\* Once the vinyl dome has been pulled over the rafters, adjust the dome so that the seams of the vinyl are as near as possible to the rafters. You can have someone fluff the remaining portion of the cover, as you would a bed sheet to ease in the adjustment of the cover on the rafters.

\* Gently pull the vinyl dome down over the pool ledge all around the pool.

\* Finally thread the 3/16" polypropylene line slowly through the grommets located between the rafters all around pool. Fit the polypropylene line under each leg or stand of the pool.