



**Installation Guidelines for  
Umbrella Structure**

## Check to see if you have all parts

- main post x1
- top arms x4
- support beams x4
- shade cloth x1
- cable x1
- nuts and bolts x12
- washers x24
- cable clamps x4



## Set main post:

Step 1:

Auger 12" hole

Step 2:

Place 12" sauna tube in hole

Step 3:

Install main post and level. Temporarily install one top arm and support beam to use as measuring guide to ensure that you have a 7'-8' clearance from the bottom of the top arm to the surface

Step 4:

Use support to anchor structure and pour concrete

*\*Wait for concrete to set before building frame\**



## Building the frame:

### Step 1:

Start with 4 top arms, bolt all top arms to top hoops on main post and let them hang down the main post

### Step 2:

Repeat step 1 with the horizontal beams; bolt the 4 horizontal support beams to bottom hoops on main post

### Step 3:

Attach 3 top arms to the support beams – do this with ONLY three sides, leaving one top arm and support beam still hanging down (this will make it feasible to install the shade cloth)





### **Installing the shade cloth:**

#### **Step 1:**

Push / pull the cable through the hem of the shade cloth - all 4 sides. Install tension cable so that you have left slack on all four corners. Be sure that the cable is always on top of the corner of the shade cloth.

#### **Step2:**

Use ratchet strap and hook it to one corner of the shade cloth and use to pull cloth over structure.

#### **Step 3:**

First, attach the shade cloth to two corners (of the three sides that are up); be sure to use the two sides that are parallel from one another. Push the shade over the pin hook at the end of the corners. Now attach the shade cloth to the third side.

#### **Step 4:**

Using your ratchet strap hook the last corner of the shade cloth. You will need two people to do this, as there will be a lot of tension. Now, pull the shade cloth over the pin hook at the end of last corner of the arm that is still downward. Once this is completed, push the top arm and support beam upward and secure in place with bolt.

#### **Step 5:**

Make sure that the cable goes over the shade cloth and under the pin hook so that the cable pins down the shade cloth. The cable must be under the pin hook.





### **Get tension on the sail:**

**Step 1:**

Make (2) temporary loops at the end of the cable. Use two cable clamps in the to fasten the loops. Tighten it really well – beware if the loops slip.

**Step 2:**

Get one ratchet strap and slide it around the main post. Get it as high as you can around the main post.

**Step 3:**

Hook the two hooks of the ratchet strap into the two temporary loops. The cable must x-cross at this point under the pin hook.

**Step 4:**

Use the two other cable clamps and attach to the top cable where it crosses under the pin hook. Leave cable clamps loose so that you can tension the cable.

**Step5:**

Tension the cable to your preference. Once you have tensioned the cable with the ratchet strap to your liking, then tighten your main clamps under the pin hook. These clamps will now be permanent clamps.

**Step 6:**

Release ratchet strap and undo the loops. Feed both ends of the cable back into the hem of the shade cloth.



**Follow all steps thoroughly.**