

## Points to Consider

1. **Do you need building approval?**  
Always check with local authorities or the council for any relevant building regulations before installing any type of shade sail.
2. **Find the best location**  
Note the direction of the sun during the time you need the most shade. Make sure that the style of shade sail you have chosen will fit your desired space and block the direction of the sun.
3. **Assess your environment**  
Consider your normal wind conditions- the speed and direction. Consider any dangers or obstacles such as trees, power wires, water pipes and barbeques in the area you are installing the shade

## Wave Shade Installation

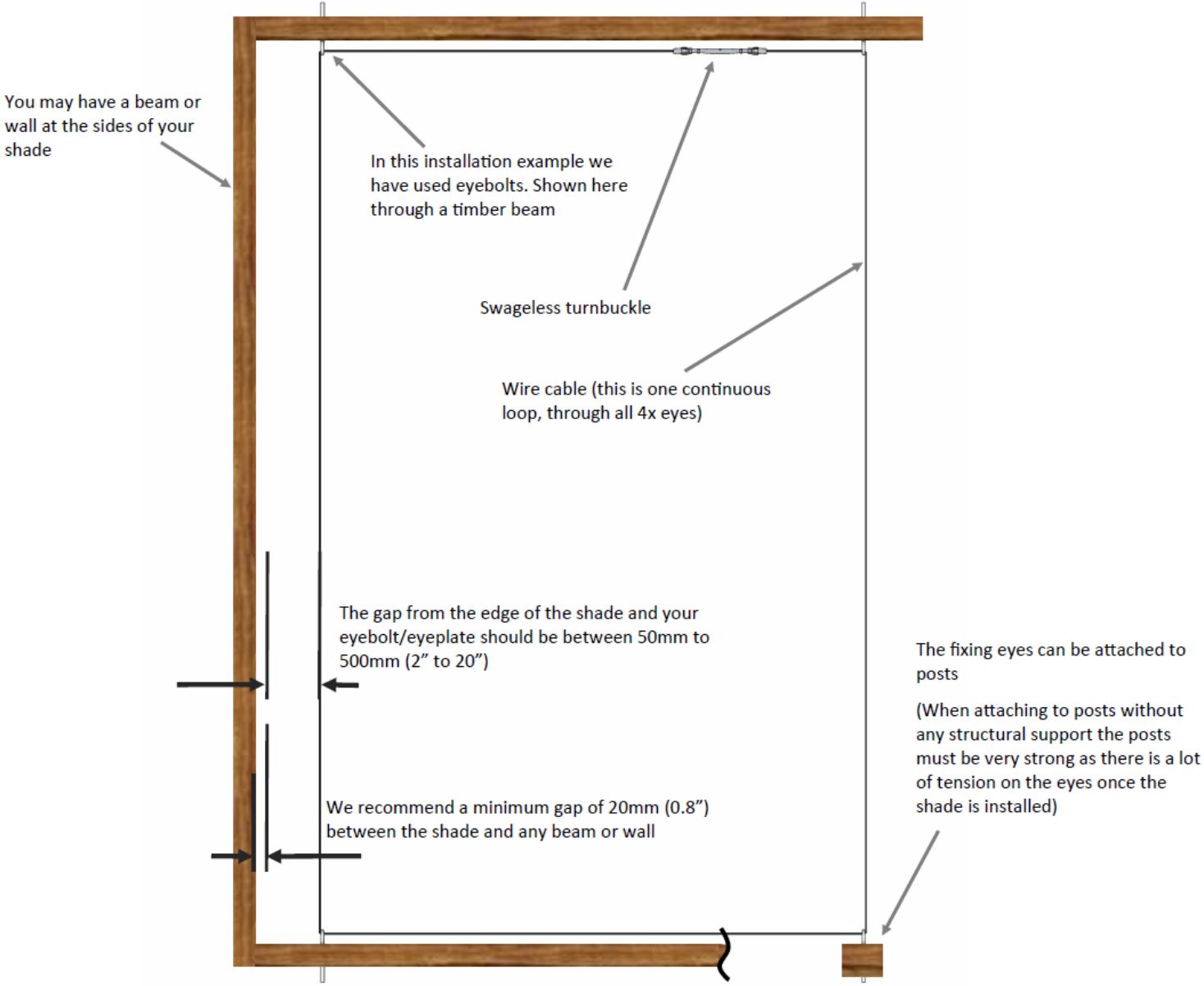
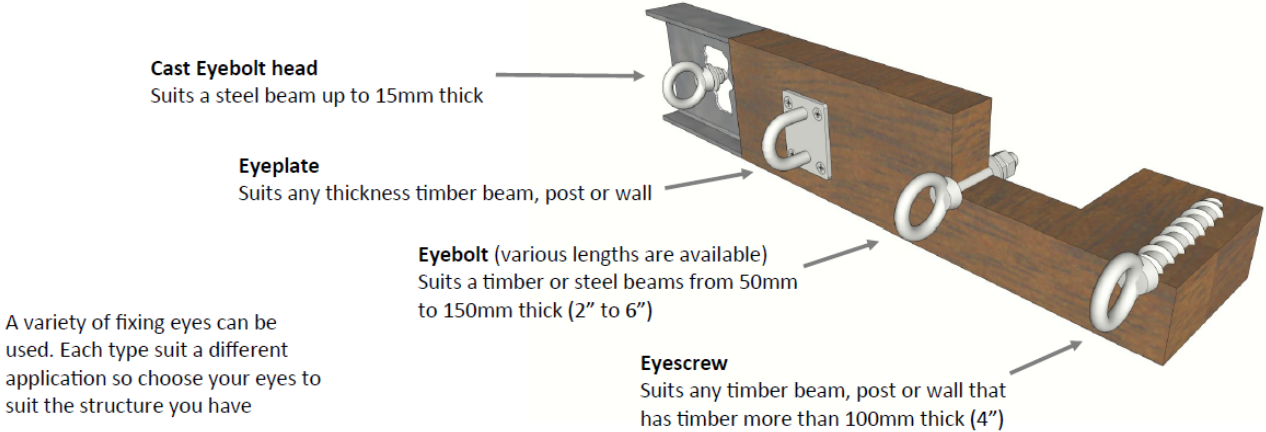
We recommend using at least two people and allowing half a day to get your Wave Shade installed. Your Canopi Wave Shade has been manufactured to the highest standard so please take care when handling and installing it, so it looks and operates like the premium product it is! It is also important that you grease the wire really well. This is one of the vital steps to ensuring your Wave Shade operates correctly.

It is a good idea to have some drop sheets or a protective cloth to put down to lay your Wave Shade on so you don't scratch it.

1. **Check you have the right tools**
  - Battery driver with two charged batteries
  - Tape measure
  - Marker pen
  - Drill bit set with a range of sizes
  - Ring spanner set
  - Socket set
  - Smaller screwdriver
  - Ladder or height access equipment
  - NuLan grease (this will come with your Wave Shade)
  - Adequate personal protection equipment
  - Protective cloth to lay your Wave Shade on
2. **Install the fixing eyes to your structure**  
A variety of fixing eyes can be used, during the ordering process choose those that suit your structure. Our Canopi experts are here to help with any questions.

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The eyes need to be very secure and fixed to a strong structure as there will be a lot of force on them once the shade is installed. Seek help from a building professional if you are in doubt of the strength. Each eye should be able to take 1000lb of force in a horizontal direction.



### 3. Install the wire cable using the turnbuckle

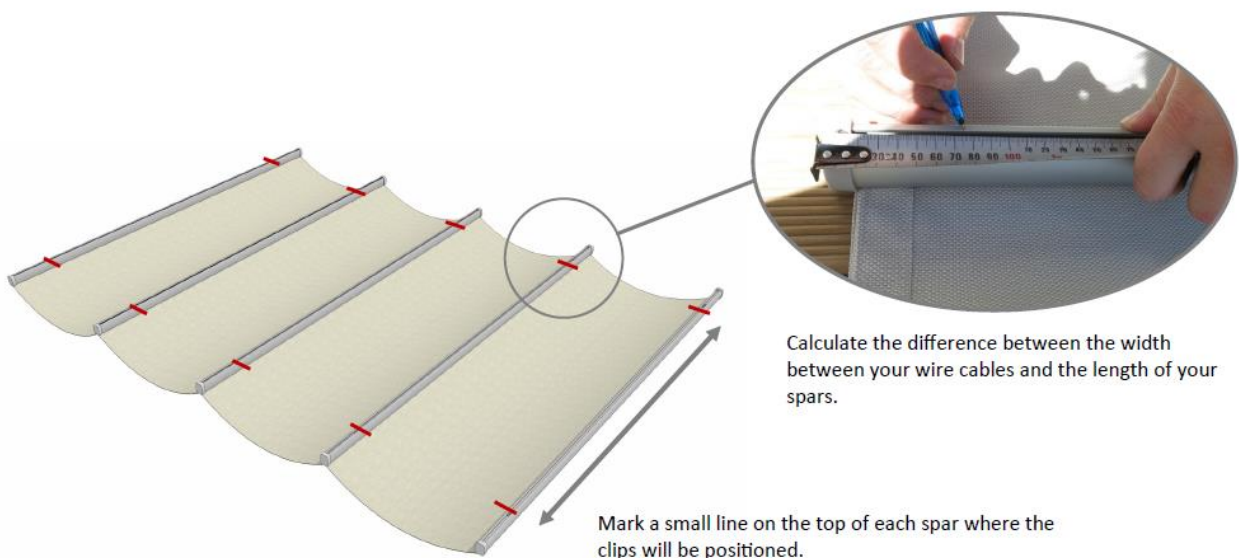
Run the wire around through all eyes and pull tight by hand. Fit the loose end of the wire cable into the other end of the turnbuckle and then tension the turnbuckle until the wire is as tight as you can make it. The tighter the wire, the better your shade will look and operate. Make sure you grease the wire well to prevent binding and to allow your shade to glide smoothly. Getting your wire as tight as possible and greasing are the two most important steps in a Wave Shade installation. These are the two things that will make your Wave Shade glide smoothly.

### 4. Mark where the clips will go

Measure the width between your wire cables and calculate the difference between this measurement and the width of the spars on your Wave Shade. Mark a small line on top of each spar where the clips will be positioned.



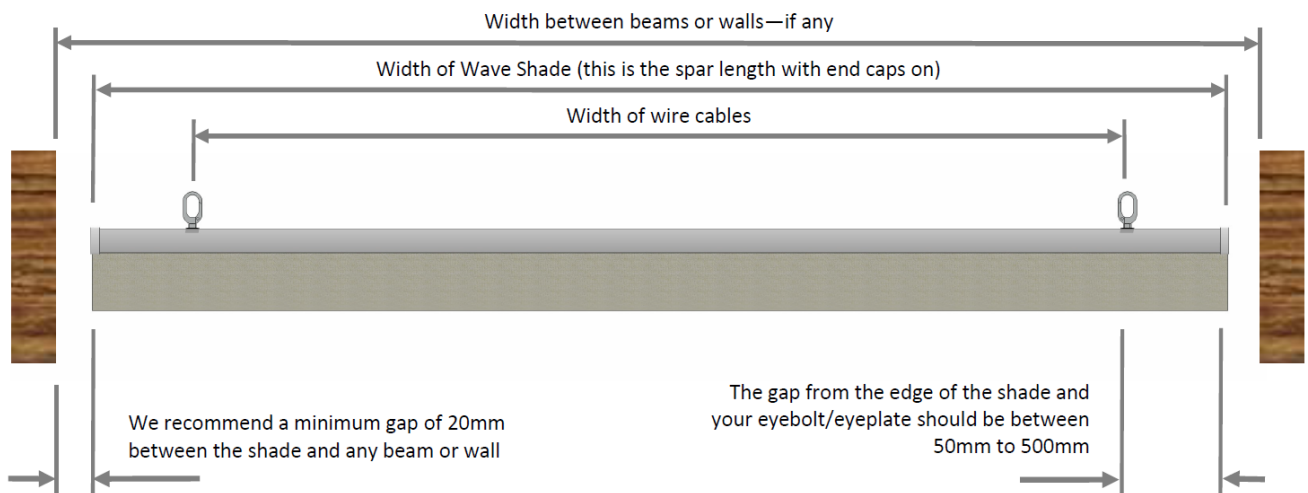
Measure the width between your wire cables, from centre of cable on one side to centre of cable on the other side



Calculate the difference between the width between your wire cables and the length of your spars.

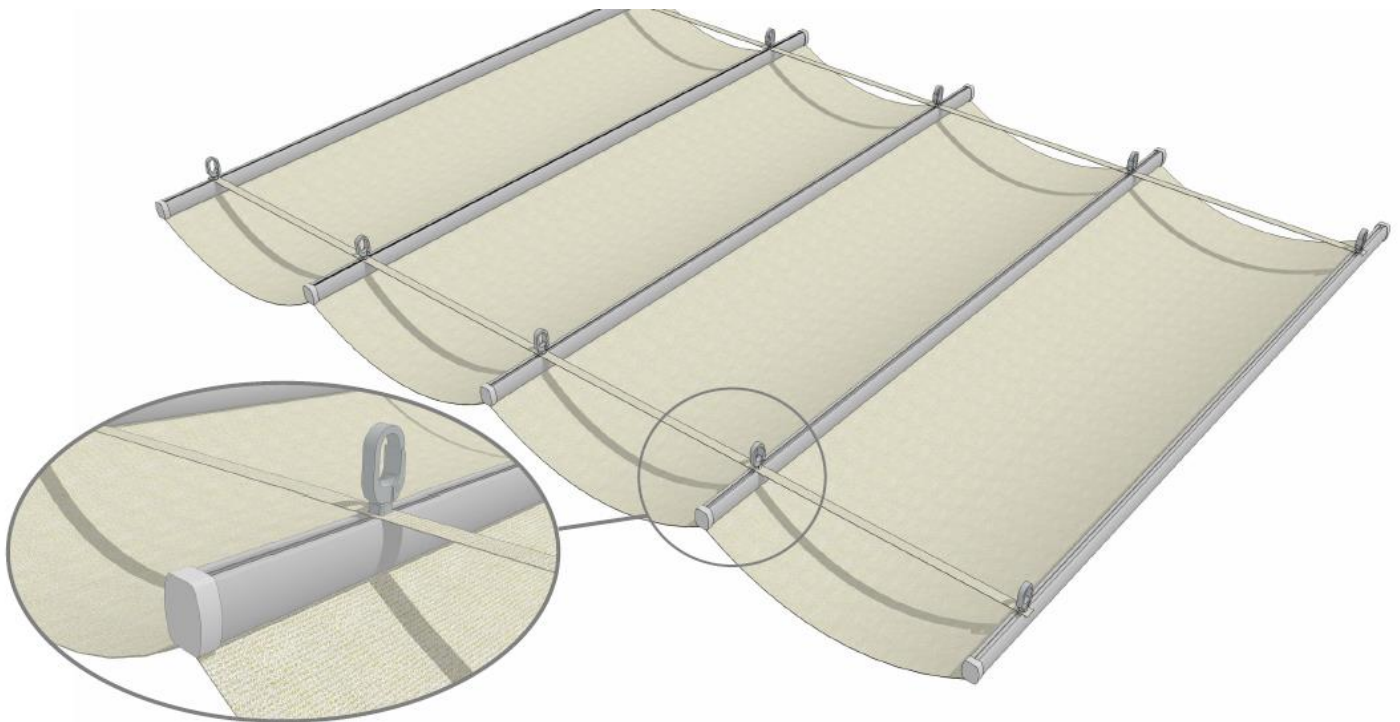
Mark a small line on the top of each spar where the clips will be positioned.

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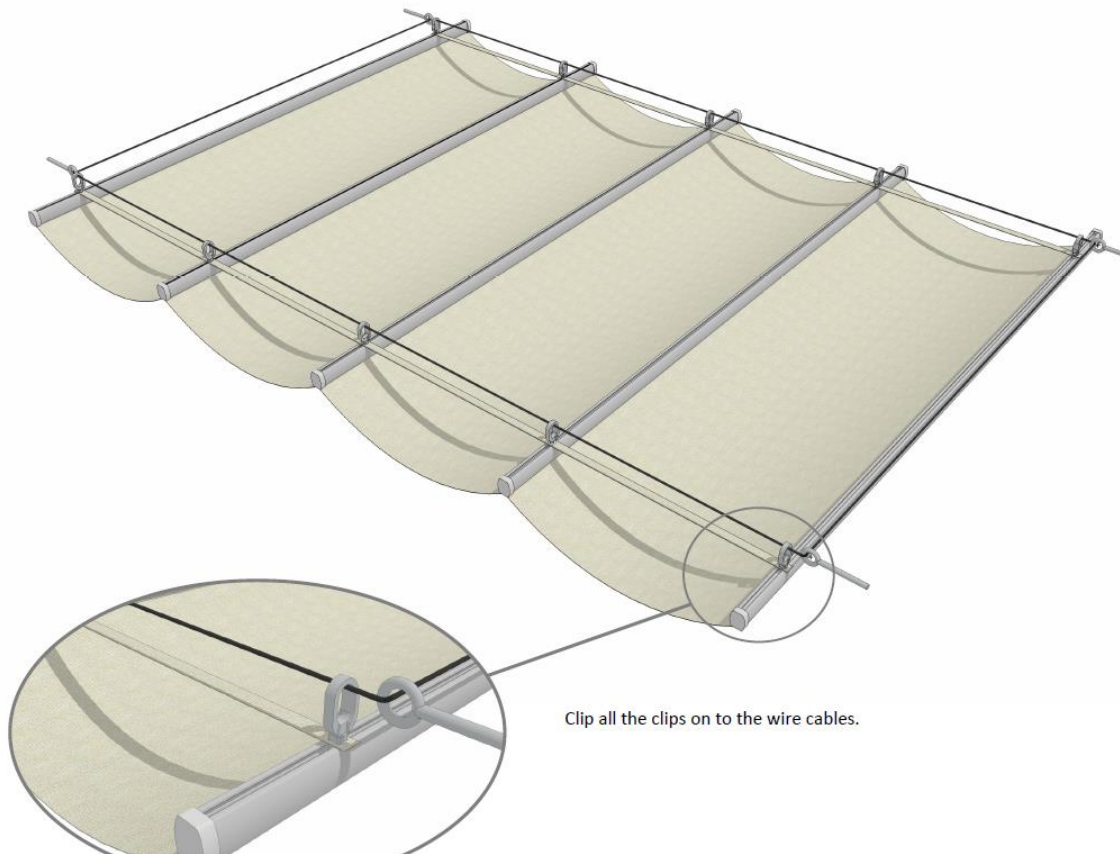
## 5. Attach the spacing strap and clips

Slide the nuts inside each spar to the points you have marked. Attach the clips here using a spanner to tighten them until they are in line with the spar then hold it at right-angles to the spar and lock the top nut down tight to hold it all in place.

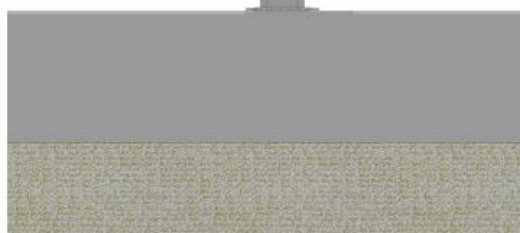


## 6. Fit the shade

This is the exciting part! Lift the shade into place taking care not to damage it, always have at least two people to lift the shade. Clip all the clips on to the wire cables and make sure the wire sits nicely in the middle of all of them.

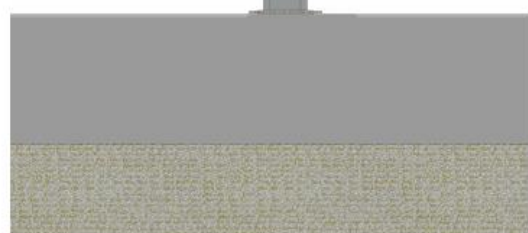


CORRECT



The wire should sit nicely in the centre of the wave shade clip, this will ensure it runs smoothly

INCORRECT



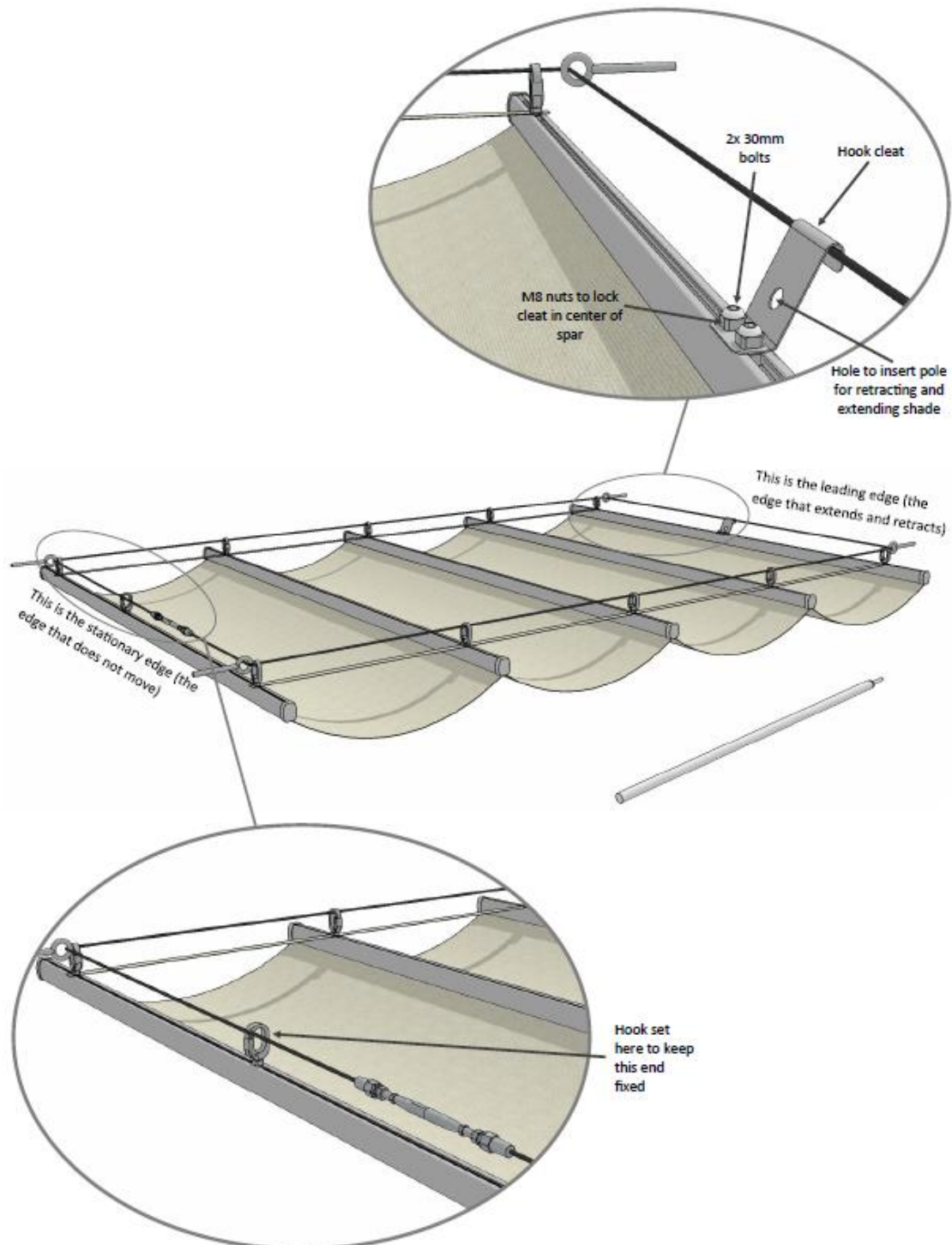
If the wire is pulling to one side of the wave shade clips then you will need to adjust the clips along the spar so they are set at the exact same width as the wire cables



## 7. Attach the pole or cord retraction kit

### Pole Retraction:

It is now time to fit the pole retraction kit. This is a simple cleat that is used to extend and retract your shade. It is also used to clip the shade out once extended. Attach the hook cleat using the nuts to lock the cleat in the centre of the spar.

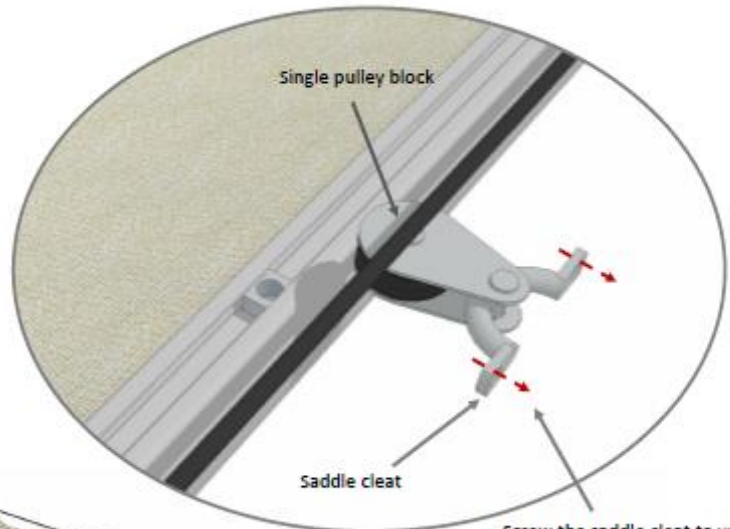


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## Cord Retraction:

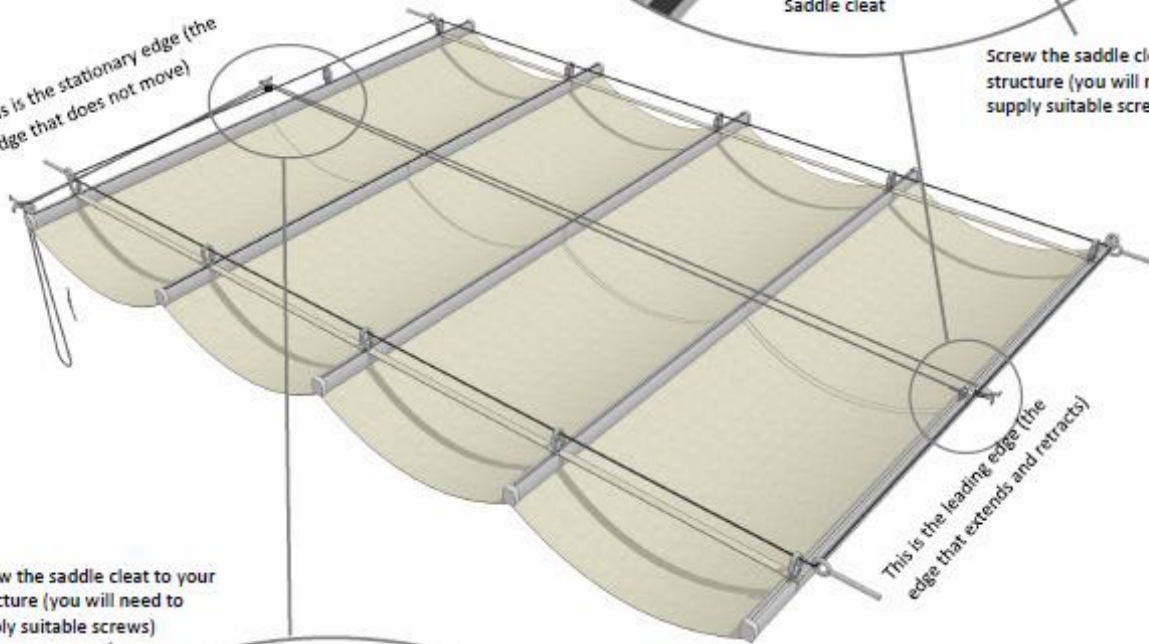
- a. There are three pulley blocks to be fitted. Below is the recommended position for these but if your pergola or structure does not allow you to configure them this way then you will need to reposition them.

At the end of your pergola or structure where the shade will extend to and retract away from—fit a single pulley block. Mount a saddle cleat in the centre just below the wire cable level. Slide the pulley block on to the saddle before screwing it in place.

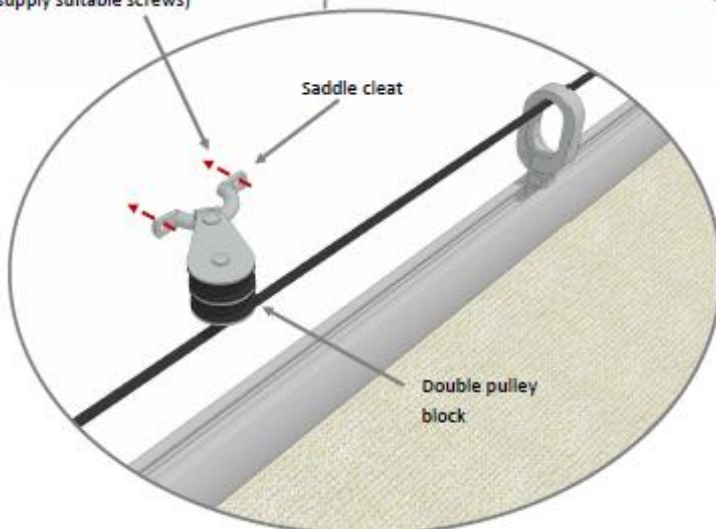


Screw the saddle cleat to your structure (you will need to supply suitable screws)

This is the stationary edge (the edge that does not move)



Screw the saddle cleat to your structure (you will need to supply suitable screws)



At the end of your pergola or structure where the shade is stationary—fit a double pulley block. Mount a saddle cleat in the centre just above the wire cable level. Slide the pulley block on to the saddle before screwing it in place.

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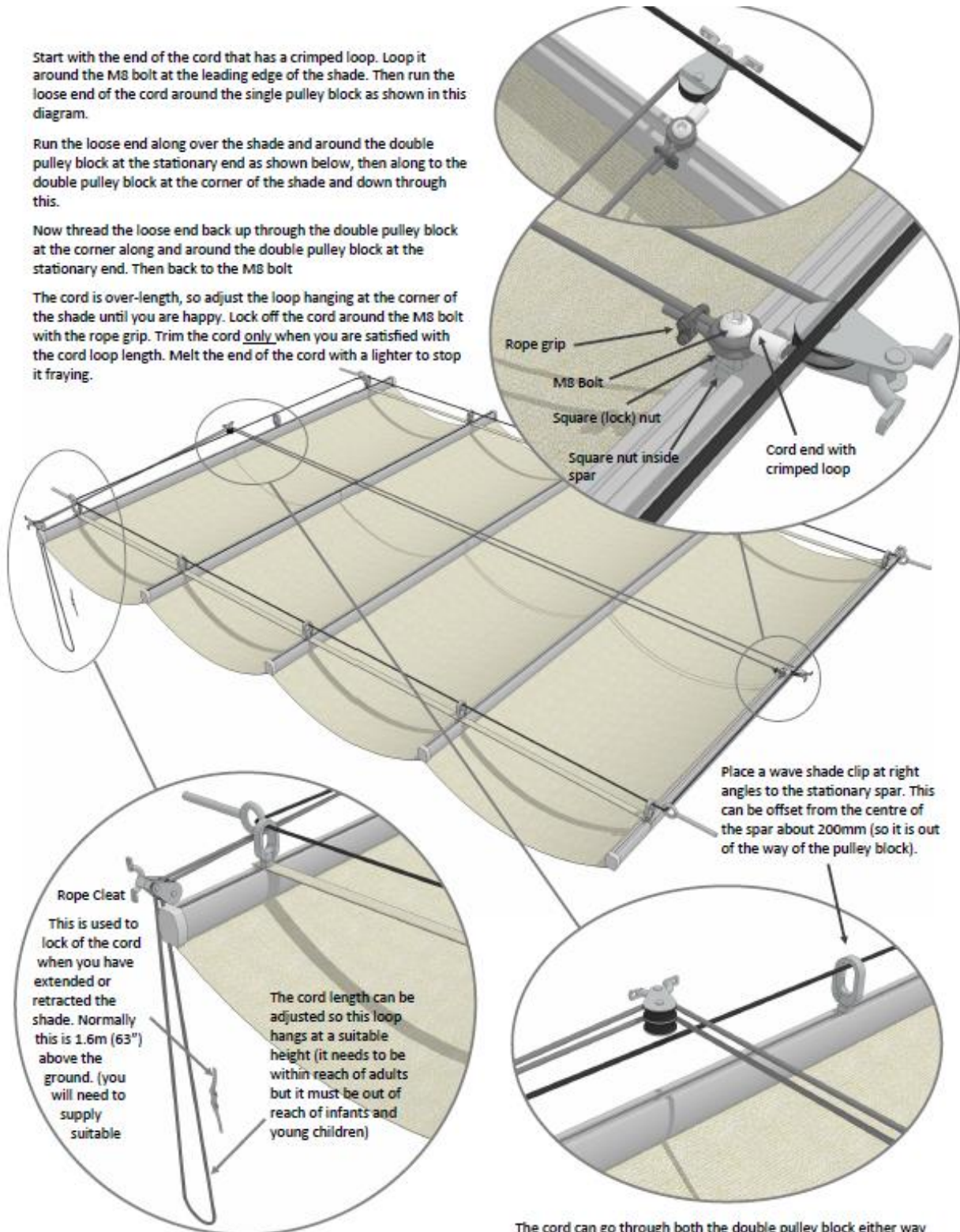
- b. The cord now needs to be threaded through all three pulley blocks to form a loop. This allows you to pull the cord one direction to extend the shade and the other direction to retract it. A rope cleat fitted to a pole or wall allows you to then lock the shade in any position.

Start with the end of the cord that has a crimped loop. Loop it around the M8 bolt at the leading edge of the shade. Then run the loose end of the cord around the single pulley block as shown in this diagram.

Run the loose end along over the shade and around the double pulley block at the stationary end as shown below, then along to the double pulley block at the corner of the shade and down through this.

Now thread the loose end back up through the double pulley block at the corner along and around the double pulley block at the stationary end. Then back to the M8 bolt

The cord is over-length, so adjust the loop hanging at the corner of the shade until you are happy. Lock off the cord around the M8 bolt with the rope grip. Trim the cord only when you are satisfied with the cord loop length. Melt the end of the cord with a lighter to stop it fraying.



The cord can go through both the double pulley block either way around, so long as the cords do not twist around each other.