Measuring for Your Shade Sail

Once all relevent posts, eye bolts, and wall plates are securely in place you can accurately measure the correct size for your custom shade sail.

1. MEASURE PERIMETER LENGTHS

Measure the distance between each consecutive attachment point, from the inside of one eye bolt to the inside of the next. Keep the tape taut to prevent sagging. Record these measurements on your diagram using the letters you assign.

For a square or rectangle sail, this would be A–B, B–C, C–D, and D–A.

2. MEASURE DIAGONAL LENGTHS

For a sail with four sides, measure and record the diagonal distances between opposite corners. This allows the manufacturer to cross-check your measurements for accuracy.

For a square sail, this would be from A–C and B–D.

3. MEASURE RELATIVE HEIGHTS

If your sail will be installed with a slope (which is recommended for water run-off), you need to measure the vertical height of each attachment point relative to a single horizontal reference point.

1. **Create a horizontal reference line:** Use a laser level or stretch a string line between the posts, ensuring it is perfectly level with a spirit level.
2. **Mark each post:** Make a clear mark on each post or wall bracket where the level line intersects.
3. **Measure up from the mark:** For each attachment point, measure the vertical distance from your level mark up to the center of the eye bolt. Record this measurement on your diagram.

IMPORTANT CONSIDERATIONS

Tensioning allowance: The manufacturer will account for the hardware and tensioning needed to stretch the sail tightly. Do not subtract for turnbuckles or other hardware yourself; simply provide the exact "eye-to-eye" measurements.

Double-check everything: Take each measurement twice to ensure accuracy. Mistakes can lead to a sail that doesn't fit properly.

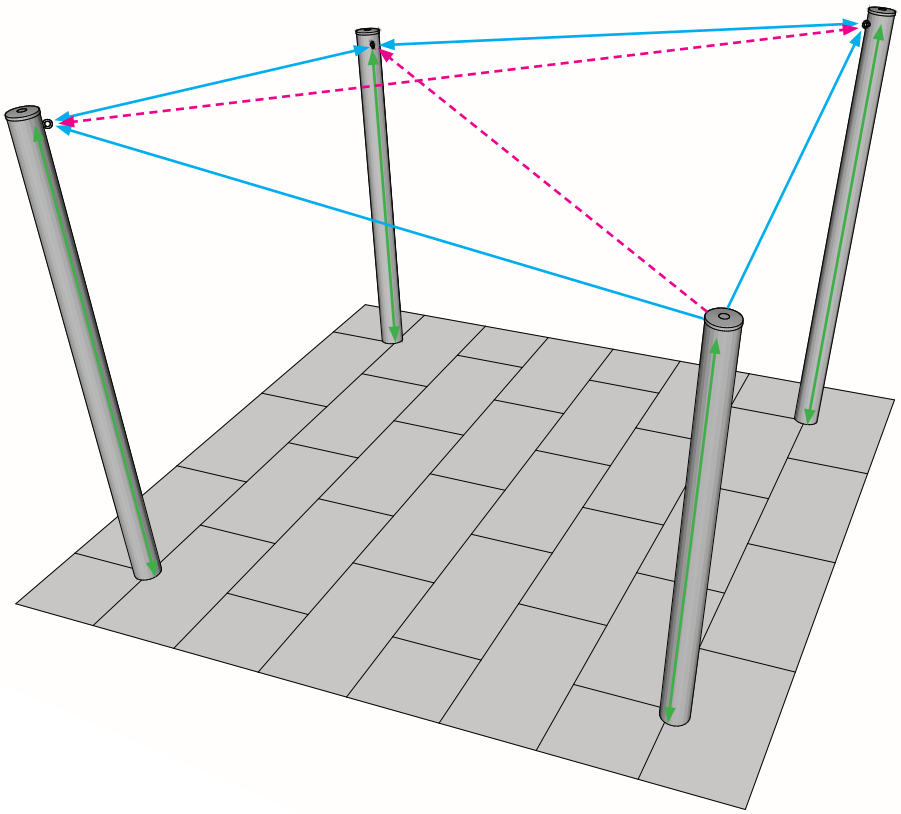
How to Measure

Measuring your shade sail is a critical part of the project. **Always install your poles and accurately locate any other fixing points before measuring up for a custom made shade sail.** Custom made sails are specifically manufactured to fit your site, they can be made to almost any shape or size, so make sure to ensure all your fixing points are established before measuring your shade sail.

Make sure you take accurate measurements and double check them all while on site. You must have all poles installed first. We also recommend all eyebolts and any eye plates are installed too. It is possible to mark where your eye plates will be attached and measure to that mark, but you must be sure the eye plate can fasten at that exact point. This must be noted on your plan.

The example below shows a 4 point shade sail and all the required measurements.

4x perimeter measurements (required)
2x diagonal measurements (required)
4x pole height measurements (required)



All measurements must be taken from the inside of the fixing eyes.
The manufaturer will account for tensioning hardware and the sail stretch.
If you have any questions please contact us at **sales@nzcustomshade.co.nz**

Shade Sail Example

CURVES & ANGLES

This is an example custom shade sail project for a 4 corner sail.

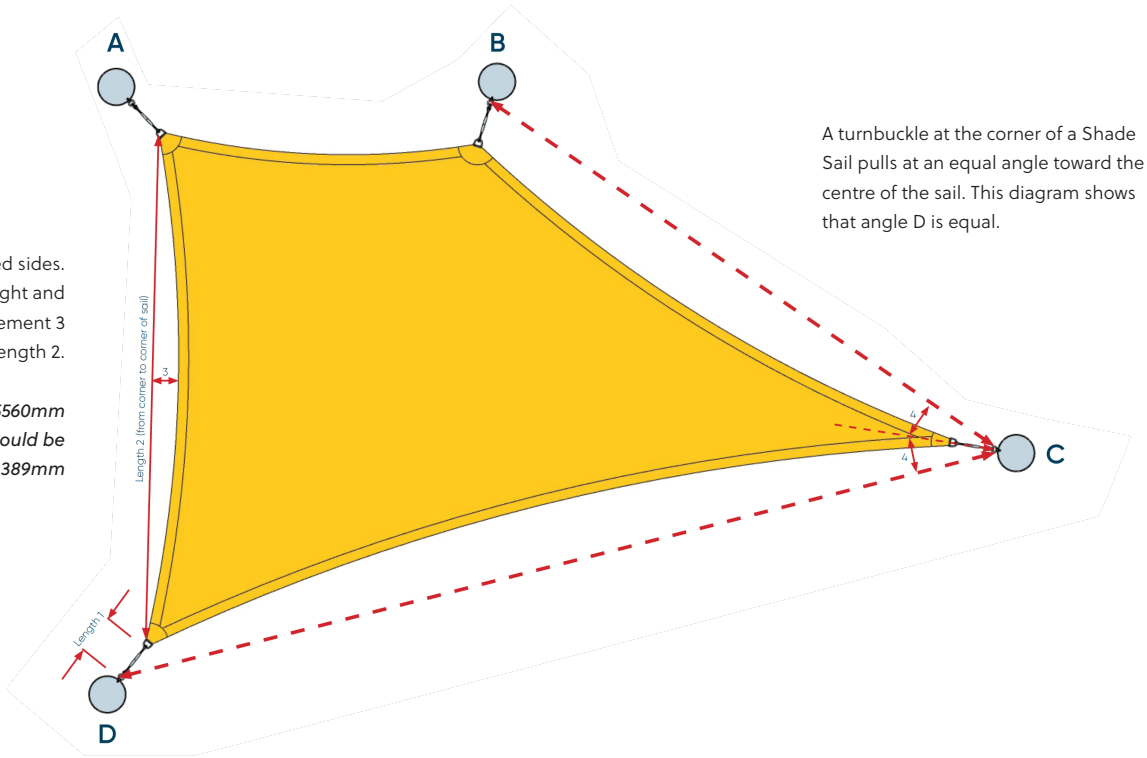
Always label your Shade Sail corners A, B, C etc. in a clockwise direction. This helps to orientate the sail at each point in the design and manufacturing process

Our Shade Sails are custom made so the posts can be placed where they suit best. They do not have to be perfectly square or symmetrical.

There is always some fixing hardware at the corner of a shade sail, it may be a shackle, turnbuckle or short length of chain. Length 1 is usually between 60mm–350mm depending on the type of hardware used.

Shade Sails must have curved sides. This is to keep the sail tight and stable. The dip measurement 3 ranges between 5% – 7% of length 2.

***Example:** If length 2 was 5560mm then the dip of that side would be somewhere between 278 – 389mm*



A turnbuckle at the corner of a Shade Sail pulls at an equal angle toward the centre of the sail. This diagram shows that angle D is equal.

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