

# Shade Sail Pole Installation

## Tools Required

- Spade
- Spirit Level
- Tape Measure

## Step 1

Mark out where you want to position the poles and dig the hole (Steel Pole: 450mm diameter, Timber Pole: 600mm diameter), to the required depth. If you have a Straitline® plan, please ensure you follow the measurements as closely as possible. If not, please bury one third of the total length of the pole.

## Step 2

Position each pole in a hole. Check the eyebolt is facing the direction of pull (see diagram on the right). The pole base should be slightly offset in the hole towards the direction of pull to allow for a 2°-5° lean (see step 4).

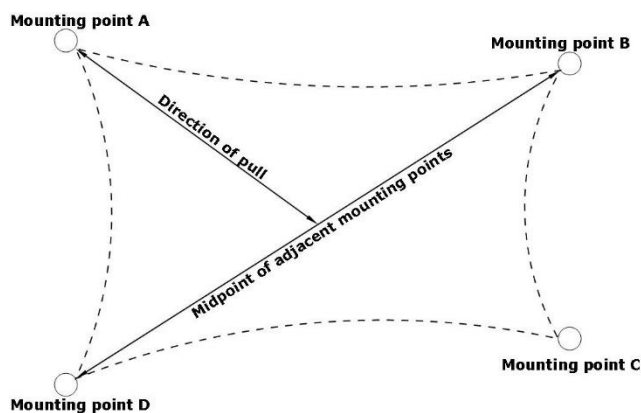
## Step 3

Pour concrete into each hole, around the pole (we recommend 20MPA concrete with 19mm aggregate from a professional concrete supplier). Fill the holes to within 100mm of the surface.

If the hole is surrounded by existing concrete, fill until slightly higher than the surrounding concrete, then trowel to create a slight slope away from the pole (to ensure water drains away and doesn't pool around the pole).

### IMPORTANT

Ensure you carefully read our Shade Sail Pole Specifications before buying poles (email us or download on our website at <https://straitline.co.nz/shadesails>).



### Step 4

Align the poles within 30 minutes of pouring concrete. The pole should lean at 2-5°, away from the direction of pull (as shown) but should be level and straight on its sides.

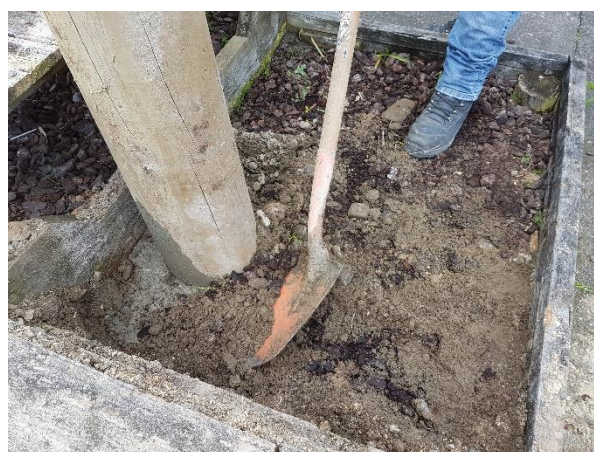
To check, stand so the eyebolt is facing towards you. The pole should lean at 5° away from you but should not be leaning to either side.



### Step 5

Fill in the remainder of the hole with dirt. If you mound it up a little it will help to hold the pole in place while the concrete sets (braces should not be required).

If any pole is surrounded by existing concrete, check to make sure the trowelling from step 3 will drain water correctly.



### Step 6

Take measurements for the manufacture of the shade sail using a measure sheet which can be found on our website here. Email your measurements to Straitline Canvas at [admin@straitline.co.nz](mailto:admin@straitline.co.nz) for manufacture. We require the perimeter measurements and the diagonal measurements between the mounting points. **All the measurements need to be from eyebolt to eyebolt.**

Allow at least 72 hours for the concrete to set before installing a shade sail.

