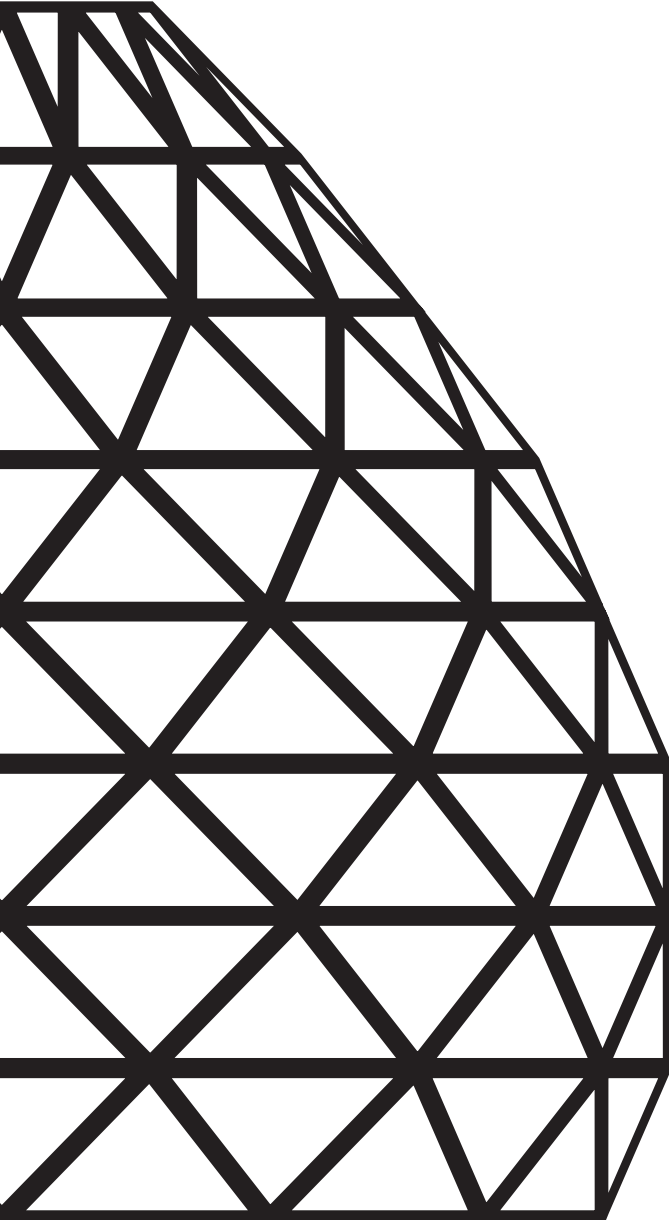


# Zome Building Kit

Installation guide





**Congratulations on the purchase of the Zome Building Kit. We are looking forward to seeing what you create with the kit and how you use the structure.**

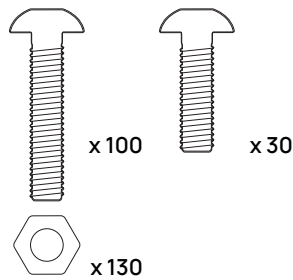
**This installation guide will help you build your Zome. For more information about maintenance please visit the FAQs on our website.**

**If you have any issues or questions during the installation process please reach out to us on [hello@giantgrass.com](mailto:hello@giantgrass.com) and we will more than happy to guide you through the process.**

**Share your creations with us by emailing [hello@giantgrass.com](mailto:hello@giantgrass.com) or on social media and make sure to tag [@giantgrass](#) on Facebook, Instagram and Twitter.**

**[www.giantgrass.com](http://www.giantgrass.com)**

# What's included



Total: 350 precision manufactured bamboo strips  
130 stainless steel nuts and bolts

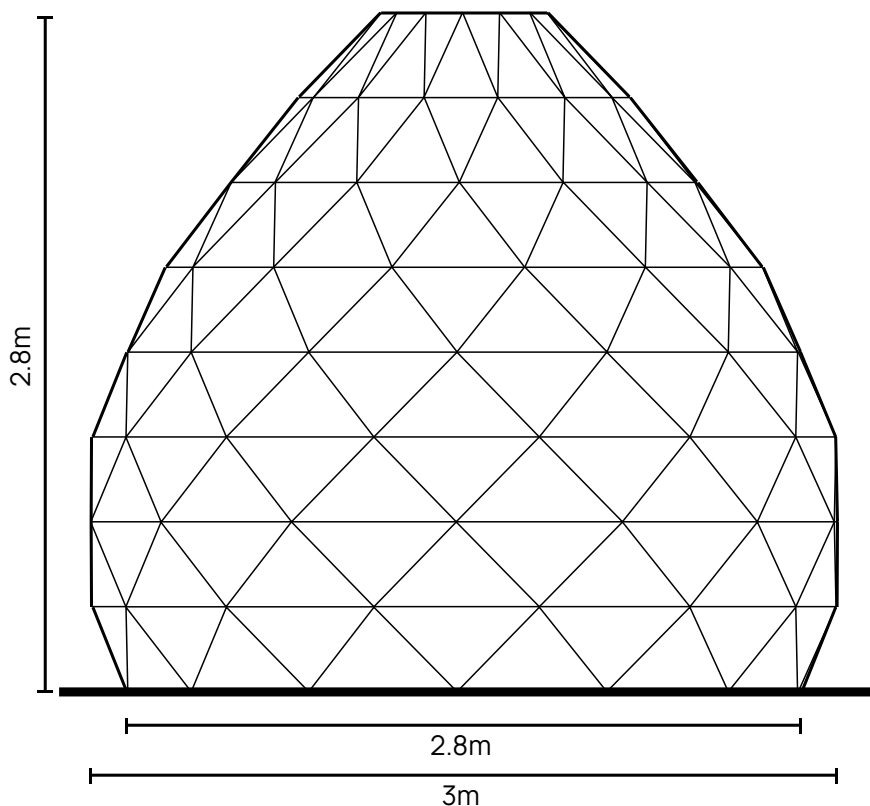


# What you will need

Considering the size of the structure you will need atleast one step stool and one step ladder or working platform that will allow you to reach upto 2.8m in height.

Additionally you will need the following tools:

- Allen keys
- Spanner or shifter
- Gloves

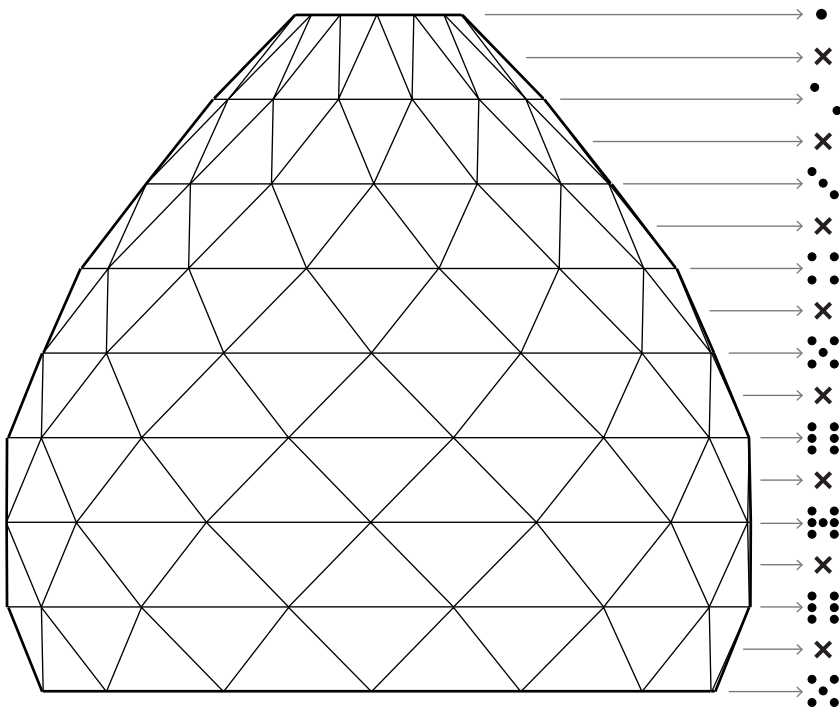


# Installation process

The bamboo strips used in the Zome are all coded to allow for easy installation with dots and cross on the side of the strip.

The strips with the dots are with varying sizes and arranged horizontally on the Zome, while the strips with the cross are all the same size and go diagonally on the structure.

The smaller bolts are for the bottom and the top layer while the longer bolts are for other sections.

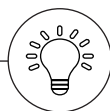


There are two ways you can go about building your Zome.

# Self guided installation

The modular nature of the structure makes it easy for an experimental self guided installation. You can use the diagram on Page 5 as a reference to get an understanding of which strips go where and start installing on your own.

This can be a great way to problem solve the installation with a group of people and can be used as a team building exercise or teach children how to problem solve on the go rather than follow the guide.



## Tip:

- Start the installation from the ground up by laying the bottom most layer first.
- There are 14 sides to the Zome so each circular ring includes 14 pieces.
- Use the smaller sized bolts for the bottom and the top layer and the longer bolts for all other connections.

# Step by step installation

1. Take out all the bamboo strips and arrange them on the ground to make sure you have all the pieces.



The strips with dots are of varying sizes and go horizontal in the Zome. The strips with X are all the same size and form the diagonals. You can arrange them in order of dots from 1, 2, 3, 4, 5, 6, 7, 6, 5 and will see the shape of the Zome appear.

## 2. Bundle some of the strips with a bolt in order to simplify the construction process.



We have found that bundling some of the strips at the start can simplify and quicken the installation process.

As a starting point you need to bundle one even numbered dot strip with four X strips with the longer bolt and nut.

You should end up with following bundles:

- 4 X strips and 1 six dot strip
- 4 X strips and 1 four dot strip
- 4 X strips and 1 two dot strip

Make sure the X strips are at the top and the dot strip at the bottom of the pile before bolting as shown in the photo above.

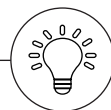




This is a good activity to get children involved in the construction process.

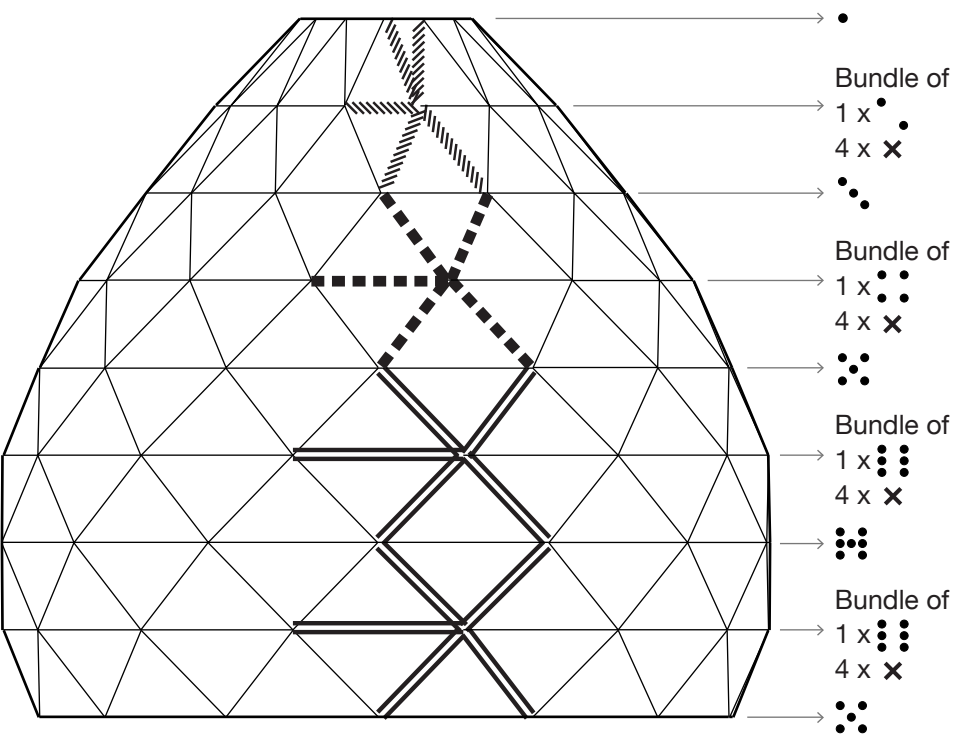
## Tip:

- For consistency keep all the markings on the same side for a uniform look.
- Keep all the bundles with different dot strips separate for easy access during construction.



# Bundle location diagram

The diagram below shows the framework of how the bundles are used in the construction process.



The bundles of 5 strips is arranged in a star shape as per the diagram and connect to the adjoining bundles on the side.

**3. Arrange the strips with 5 dots on the ground in a circle.**



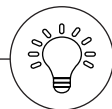


4. Take the bundle with six dots and connect with five dot strip at each intersection.



Connect two X strips at either ends of five dot strip.

## Tip:



- Have the bolt head on the underside for consistency with the dot strip on top or inside of the structure.
- Develop a pattern of assembly and use it through out the structure.
- For example use 2nd X strip to the left and 4th X strip to the right of the five dot strip.

**4. Swing the six dot strip and connect with each other to form a circle.**



Leave the two remaining X strips pointing outwards.



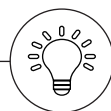


While connecting the last few six dot strips the structure will need to be lifted and stood up.

Arrange all the diagonals point up ready to connect next strips.

## Tip:

- You will need 3-4 people to help flip the structure and make it stand before connecting the last few six dot strips.



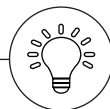
## 5. Connect the seven dot strips and next layer of six dot bundle to the free standing X strips.



Use the same pattern of 2nd X strip to the left and 4th X strip to the right for consistency.

### Tip:

- Ensure all the horizontal dots strips are placed on the inside layer for consistency and even look.





**6. Follow directions in Step 5 for rest of the bundles arranging them as per the Bundle location diagram on Page 10.**



At this point you will need a step stool and/or work platform on the inside and outside of the Zome.



Keep connecting the bundles and tightening the bolts by hand. It helps to have one person on the inside and one on the outside.

**7. Finish off by adding the last one dot strips at the top.**



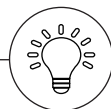
While adding the last strips, it might feel like they won't fit, but push the strips slightly inwards and they will all fit in place.



## 8. Remove some of the strips to create a large diamond shaped door.



### Tip:



- You can adjust the shape and size of the door by removing more or less strips making sure not to compromise structural stability.



## 9. Tighten the bolts and anchor the Zome in ground.

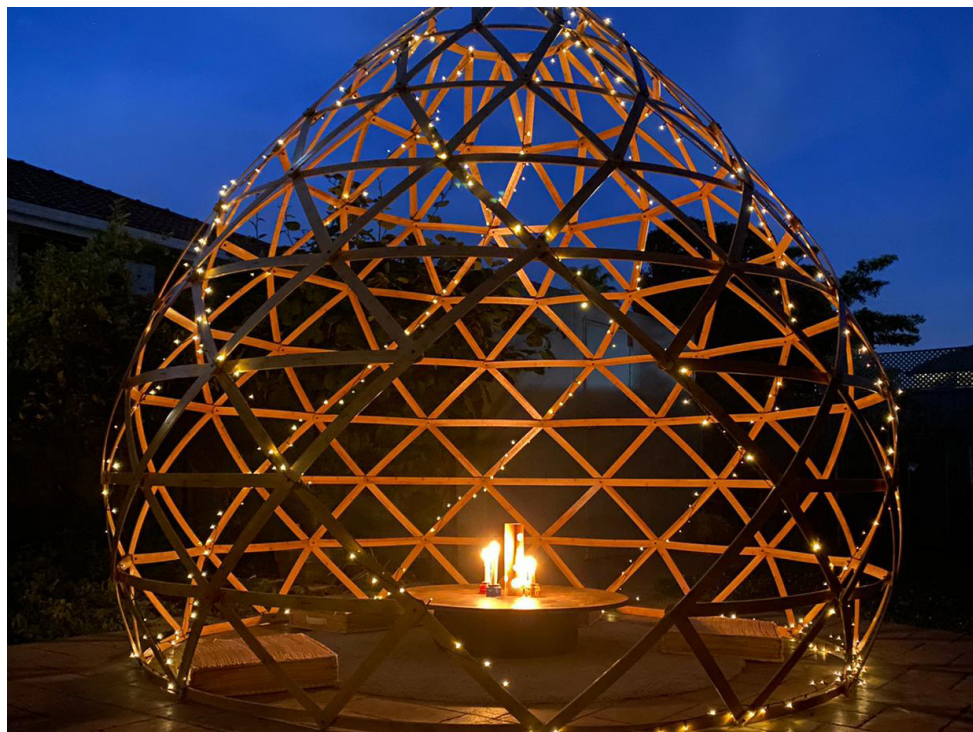


Tighten the bolts using allen key and a spanner. Make sure not to overtighten the bolts as the strength of the structure is not dependent on tight bolts.

On ground you can anchor the Zome using large tent pegs or our specially made brackets. Make sure the structure is slightly lifted off the ground using bricks or other material.

On concrete or timber you might need to use brackets and specific bolts to anchor the structure.

## 10. Decorate and enjoy your creation.



There are various ways to decorate your zome including some furniture inside, some fairy lights or fabric cover on the framing etc.

Check out @giantgrass on Facebook and Instagram for inspiration.

## 11. Share your Zome.

Share photos of your Zome on social media and don't forget to tag @giantgrass for a chance to win some prizes. Visit our website to find out more.

Search @giantgrass to share and follow us on the following platforms -



