

Nordgrim Colony

Rotunda 4 assembly instructions

Nordgrim Colony is a terrain set designed by Tarjei Mossige Aasen. Find me at <https://www.thingiverse.com/Bilbostomper>

This is a remix of the project Laser Cut Iris Box v2 by Jack Carter. That project can be found here: (<https://www.thingiverse.com/thing:2704046>)

The original project uses metal screws to construct the item. I decided to use 4 mm dowel rod and 3 mm barbeque skewer instead. If you don't have something similar available, you'll want to modify the files to fit your materials.

Start by assembling the five buttress pieces and attach them to the side panel pieces with slots in them.



Attach the buttresses and all the side panels to the bottom plate.



Cut five pieces of the 4 mm dowel rod, each 9 mm long. Glue one end of each to the iris panels, stick it through the lowest ring plate (the one with all the slots for the side panels) and glue one of the large washers to the other end. Make sure the iris panels can rotate freely. The panels should rotate clockwise to close when seen from above.



Attach the ring plate to the tops of the side panels.



Cut five pieces of the 3 mm barbecue skewer, 15 mm long. Put the two remaining ring pieces together, the smallest one on top, and insert the skewers so that they stick out the bottom. It is important that they stick out at a 90 degree angle.



Rotate the iris petals outwards so that the opening forms a circle, then place the top. Make sure the mechanism turns smoothly. You may want to sand the skewers a bit if the fit is tight. Glue in the smaller washers on the ends of the skewers once you are satisfied.



Finally, assemble and attach the entry platform.

Finished!

