DiMarca Online
PATTERNS - SEED BEADS - CRYSTALS

Disclaimer

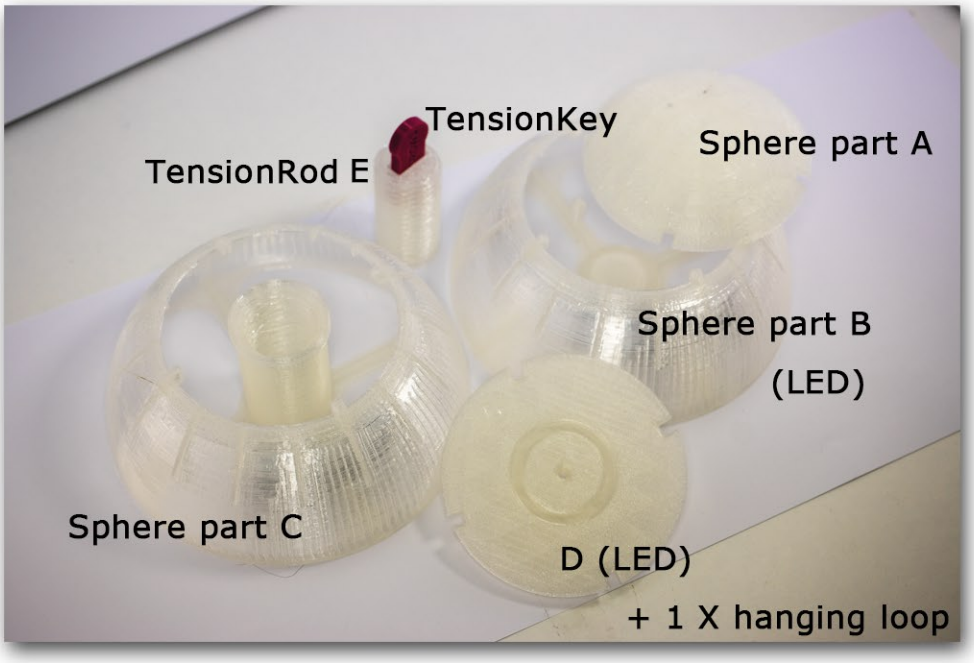
READ THIS CAREFULLY BEFORE USE

All 3D Printed products are made by the Plastic Extrusion method.
This means that plastic is heated and layered upon itself to build the final part.
As a result the resulting completed parts are not as strong as normal injection molded plastics.

It is not recommended to use 3D Printed parts in confined spaces that are subject to high temperatures as the parts may distort.
Examples include: inside a hot car, in direct sunlight or in a dishwasher.
We are not responsible for any damage as a result of high heat exposure.

The surface will show extrusion rings, blemishes and other minor imperfections.
This does not diminish the use/function of the 3D prints.

- This product is made out of strong PLA plastic, but it's still breakable
- Don't leave it out in heat or direct sunlight
- This product is not a toy
- Beware of choking hazard
- Keep it away from children



100% Sphere! 100% Fit!

Perfect Peyote Ball Solid Stuffing 30 rows

Instructions Sphere 30 rows 3D Peyote Ball

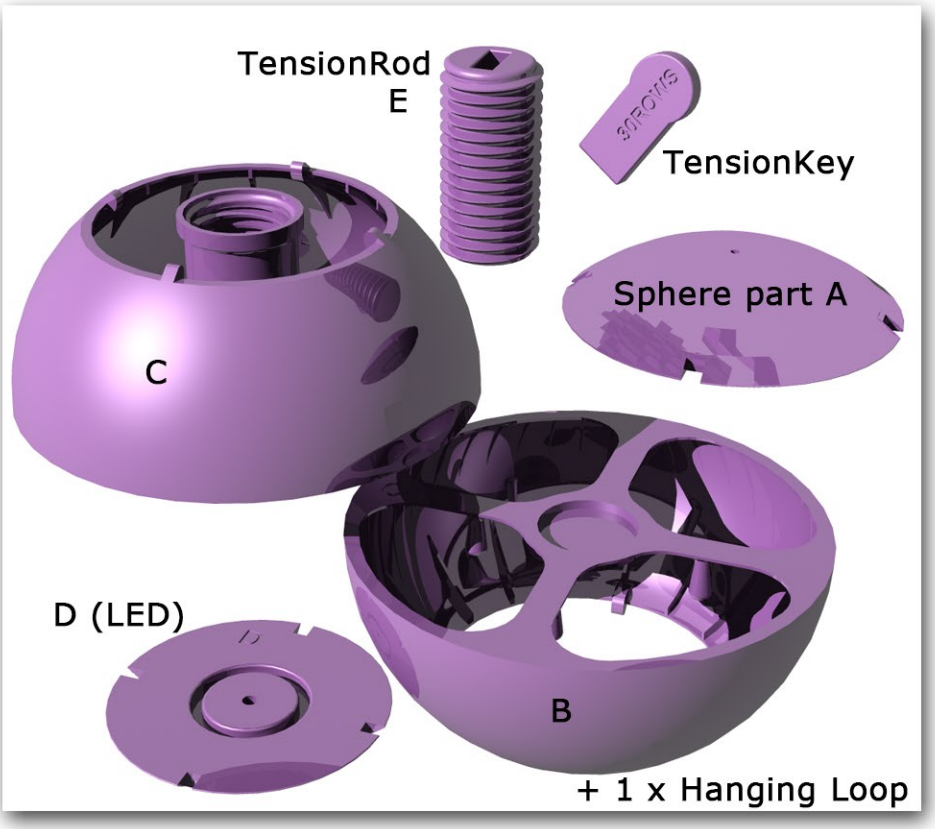
After an extensive road of development, we would like to present the Perfect Solid Stuffing for a 30 rows Peyote Ball. The perfect fitted filling for your 3D Peyote ornaments. With the unique TensionRod you can enlarge the sphere inside your Peyote Ball just before closing it up. This way you are sure all beads are forced into the perfect sphere shape.
We always recommend beading with medium tension for the best results. Are your triangles not flat and a bit wrinkled, you might consider beading with less tension.
The big advantage of a solid filling is that you do not have to push on the stuffing while assembling. Therefore it is much easier and faster to zip up.
On the surface of the sphere you can see some irregularities. This is normal in the 3D printing process. This will have no effect on the final shape of the Peyote Ball.
It takes about 15 hours to 3D print the 30 rows Sphere.

This 30 rows Sphere consists of five parts and a TensionKey. The Sphere 30 rows comes with 1 Hanging (screw) Loop.

The Hanging Loop will be strong enough to safely hang your ornament. Part A has a hole for this Hanging Loop.

The TensionKey is designed to turn the TensionRod.

Part B and D are prepared for the placement of LED lights. LED Lights can be added if desired.



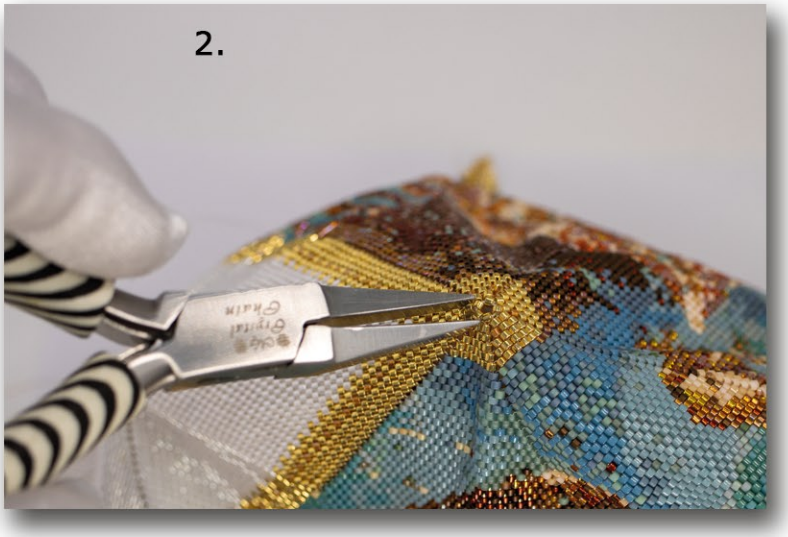
Perfect Peyote Ball Solid Stuffing

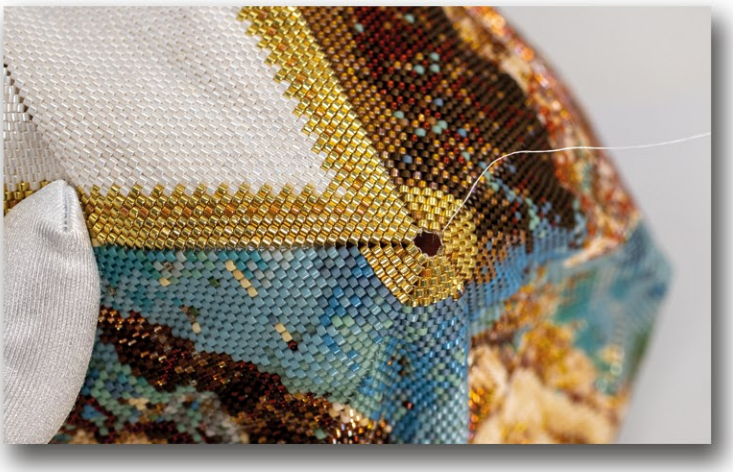
Before you start assembling and stuffing the Peyote Ball, you have to make a choice.
Do you want to illuminate the ball with LED lights?
If so, go to page 7. If not, you can start below.

1. Start by zipping up your ball.
Please NOTE: instead of step 10
in our Basic Instructions
("Little 3D Peyote Ball"):
start at the 5 triangles at the top.

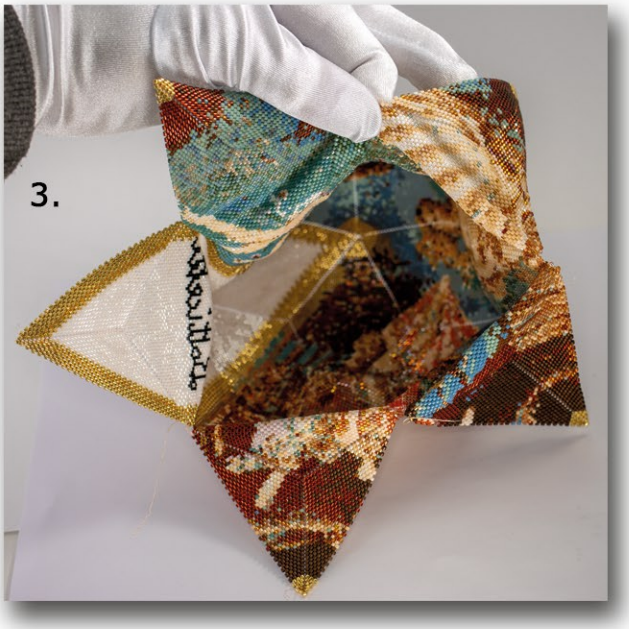
Do not connect the middle
triangles yet (arrow).

2. In order to make space for the Hanging Loop, we have to remove the point beads on top of the Peyote Ball. If you have not skipped the point beads in the making of your ball, you have to use a pinch to crack the beads. Make sure not to cut the thread.
If the beads become too loose, you have to make a pass with a new thread.



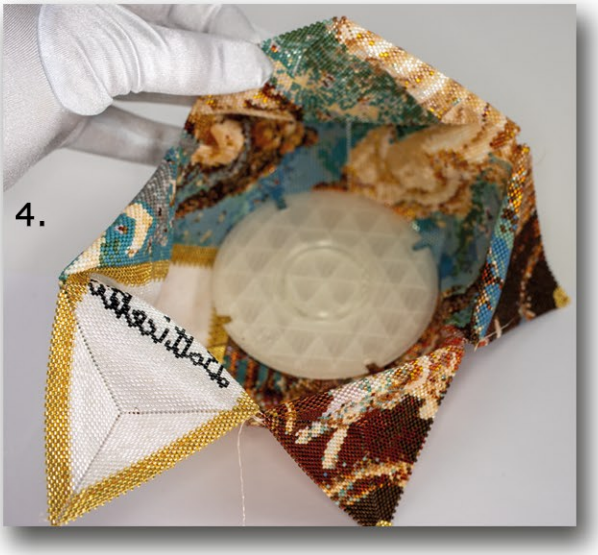


3. Make sure all remaining (bottom) triangles are folded outwards.



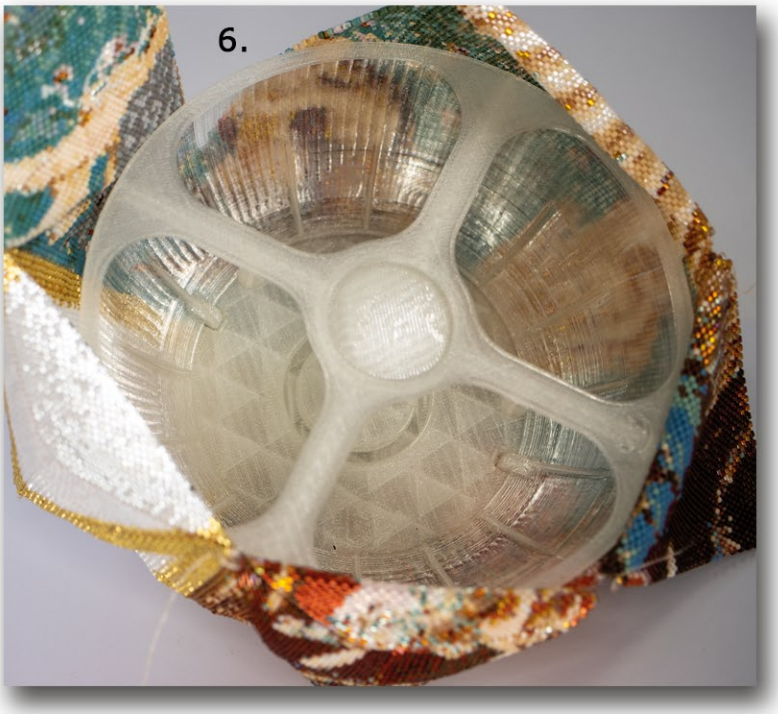
Part A comes with a hole on top for screwing in the Hanging Loop (don't screw it in yet).

4. Place Sphere Part A in your Peyote Ball as shown in picture 4.



5. Put the Hanging Loop through the hole in your Peyote Ball, in the hole in part A and screw it in.

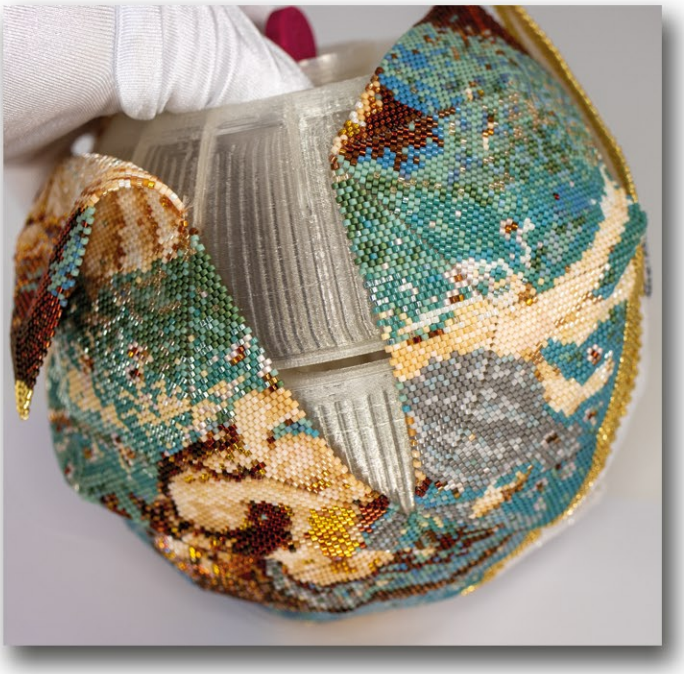
6. Place Sphere part B in the Peyote Ball on part A. Be sure the the 4 spikes fit into the spaces of part A.



7. Screw TensionRod (E) in part C with the tension keyhole facing upwards. Make sure to screw it a tiny bit further, so it sticks out at the bottom (one thread). This will help to center this part when you insert it into the Peyote Ball.

Sometimes the screwing of the TensionRod will encounter some resistance. This is due to the 3D printing process. Use the TensionKey to firmly turn and do not worry, you will not break anything.

8. Place part C with the TensionRod in the Peyote Ball.



Make sure there is no gap between part B and C.

Is there a gap like in the picture?
Unscrew the TensionRod half a turn counter clockwise until the gap is gone.

9. Place the last part D in the Peyote Ball. Make sure the 4 spikes fit into the spaces of part D.

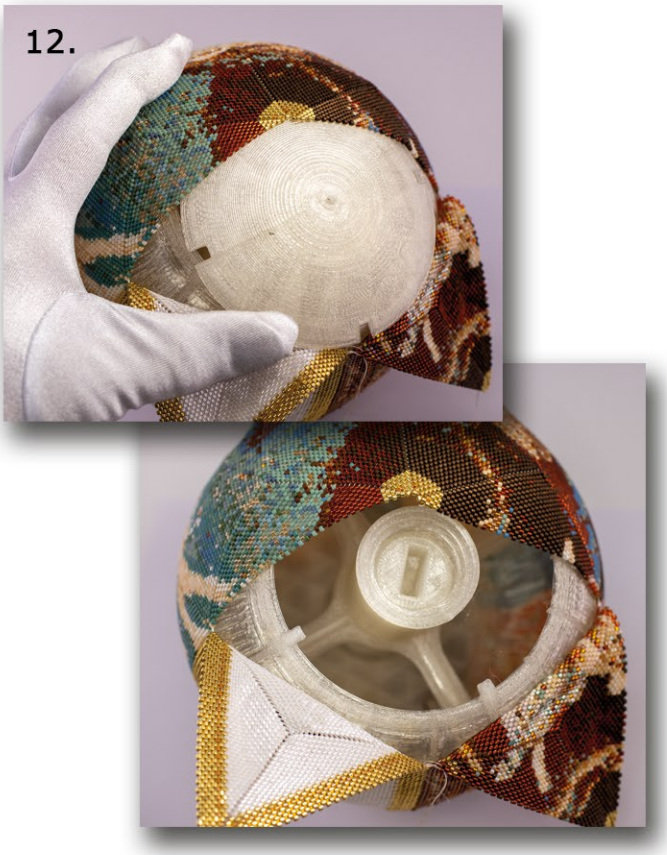
Now it's time to check if the Tension System is needed.

10. Fold the bottom 5 triangles over the solid stuffing and check if the points (point beads) of the triangles line up and do not overlap. Check also if the zips line up. If there is a overlap (like picture 10), give the TensionRod a turn (or half a turn) clockwise. By doing this the two parts B and C will be pushed apart, making the sphere bigger.
Remove part D to turn the TensionRod, put it back and check again: push the triangles together over the top of the solid stuffing and check if it all lines up.

Turn up the tension just enough so that the Peyote Ball is perfectly stuffed, but you can still close the last 5 triangles and the bottom point beads.

Picture 11 shows the triangles and the zips lining up beautifully.

12. Zip up all the triangles except the last 2. Check for the last time if the zips line up like in picture 13.

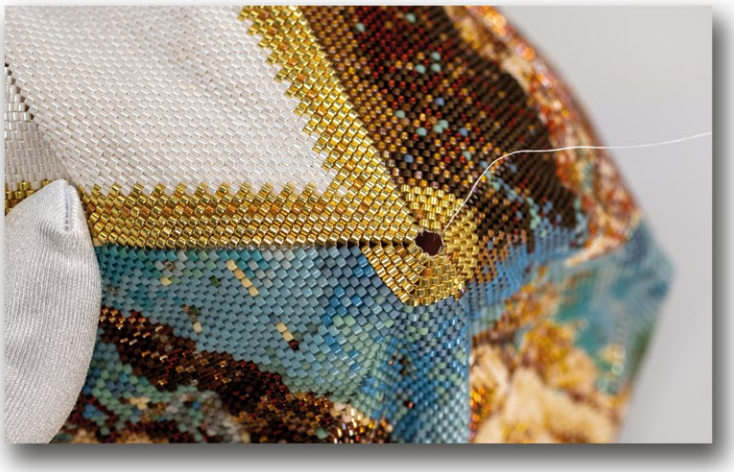


If needed remove Part D to adjust the TensionRod. Finish with zipping up your Peyote Ball.

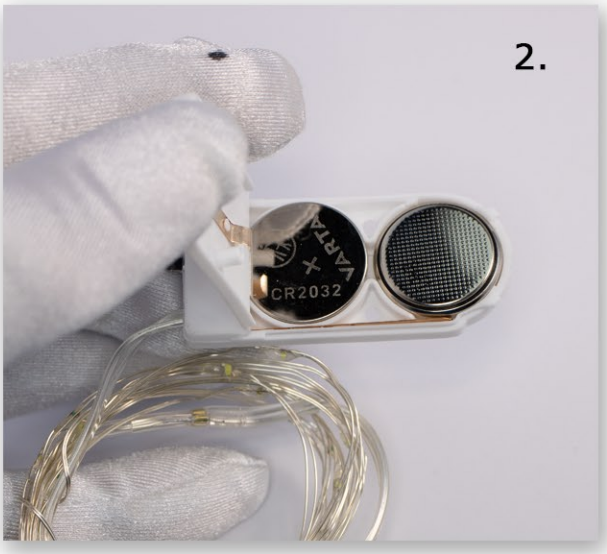
TIP! You do not need to make an empty pass through the beads, you can just go under the beads. Make sure the thread is not too tight. You can speed up the zipping by taking two beads at a time.

Perfect Peyote Ball Solid Stuffing
with LED lights

1. In order to make space for the LED wire, we have to remove the point beads on top of the Peyote Ball. If you have not skipped the point beads in the making of your ball, you have to use a pinch to crack the beads. Make sure not to cut the thread.



If the beads become too loose, you have to make a pass with a new thread.



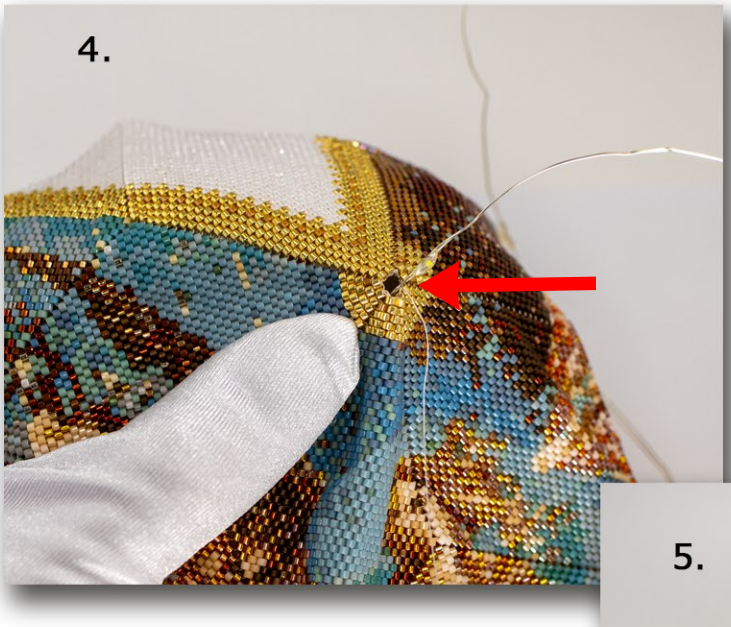
2. Place the batteries (2 x CR2032 - not included) in the holder as shown in the picture.

(left = + at the top, right = - at the top)

Check if the LED lights work.

3. Close the holder and carefully unwind the wire with the LED lights.

Perfect Peyote Ball Solid Stuffing
with LED lights

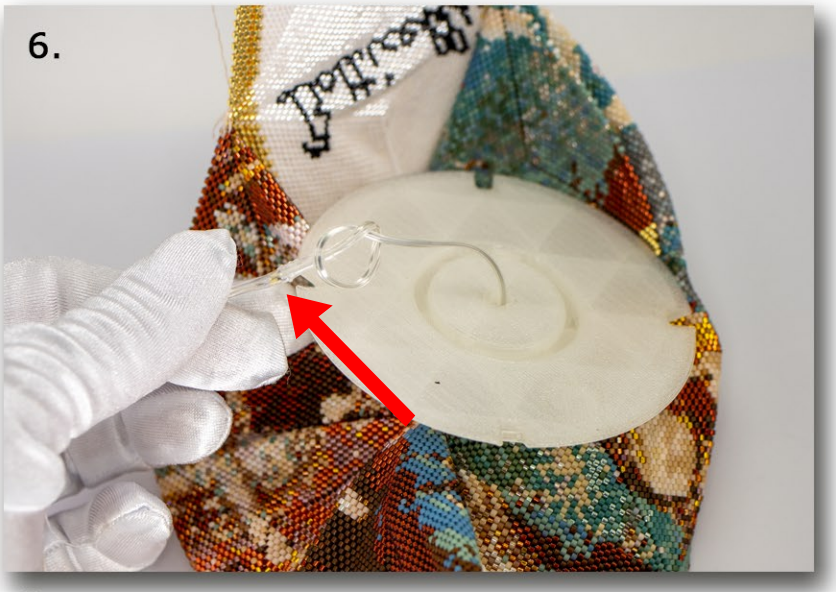


4. Insert the first LED light through the hole of the top of the Peyote Ball.

5. Pull all the 20 LED lights through the hole.

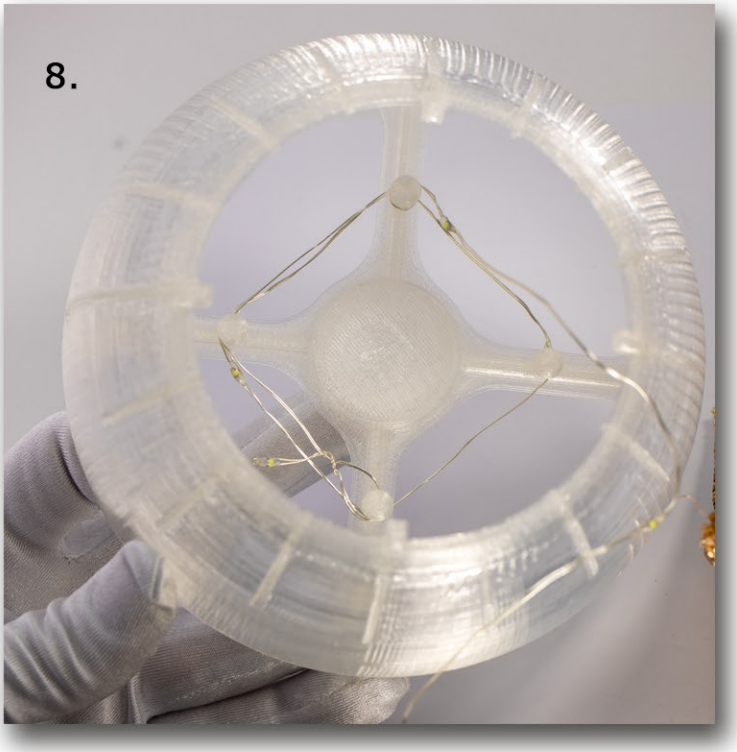
Take part D of the Solid Stuffing and pull all the lights through the hole at the top.
Make sure to start from the outside of Part D.

6. To prevent the lights from slipping out, make a knot at the end of the electric wire. Try to make the knot as close as possible to the part where the LEDs begin (arrow). This way there is maximum length for hanging the Peyote Ball.

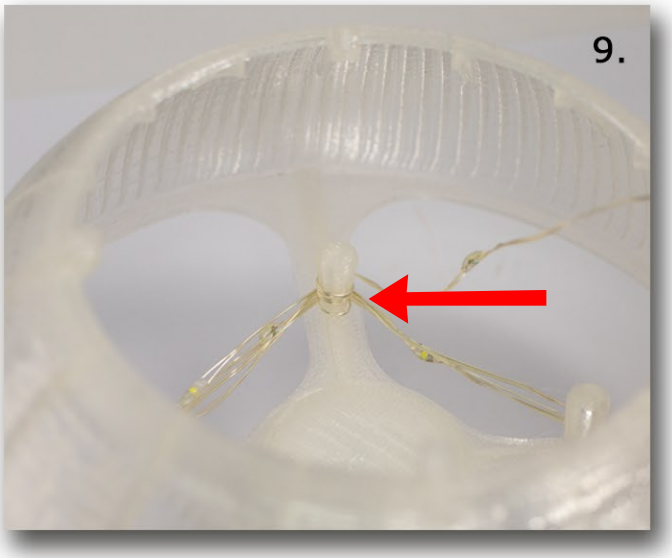


Perfect Peyote Ball Solid Stuffing
with LED lights

7. Make a small loop at the start of the LED wire.



8. Take part B and hook this loop on one of the 4 hubs of part B and wind the LED wire around the hubs as shown in picture 8.



9. To secure the wire, wind it around a hub now and then (arrow).

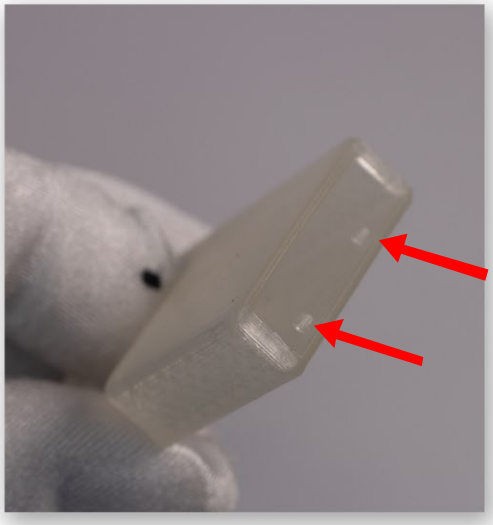
Do this also at the end of the LED wire.

10. Place part B with the LEDs on part D. Make sure the 4 spikes fit into the spaces of part D.
Insert the 2 parts in the Peyote Ball.

Refer to page 4 step 7 to continue, but finish with part A instead of D (step 9, page 5).
After the Peyote Ball is completely zipped up, return to page 10.

Perfect Peyote Ball Solid Stuffing
with LED lights

Inside the Batterycontainer-Hook there are two small levers.



Slide the battery container in the Hook and these levers will click in the holes of the container.
They are now fixed together and you can safely hang your Peyote Ball wherever you like.

If you need to replace the battery simply pull to separate the two parts.

with LED lights

Use the wire hook (optional) as shown in the picture to hang your Peyote Ball.