



Hanging Orb Planter (For artificial plants)



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Summary

A fancy looking hanging orb planter for artificial plants!

[Household](#) > [Home Decor](#)

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The cage takes ~16 hours to print per half and is 20cm in diameter with each of the caps adding another ~4.5cm. Top and bottom caps available in your choice of convex or concave styles (or design your own!).

Plants are attached by sticking into a piece of floral foam pressed into the pot. The easiest way to add the plants is by first filling out the bottom half with the top detached, then attach the top and add the rest of the plants using needle nose pliers.

Assembly requirements:

- 4 M3x20 machine screws + nuts
- glue
- floral foam

Scale information:

- 65% = 13cm cage diameter, fits M2 screws
- 135% = 27cm cage diameter, fits M4 screws

Print settings for cage halves **[IMPORTANT]**:

- place a square of support blockers around the base of the circle so that it only builds supports inside the centre of the cage
- wall ordering: **inside to outside**
- combing: **off**
- retraction: **on**
- z hop: **on**
- support: **on**
- support placement: **touching buildplate**
- support overhang angle: **50°**
- support pattern: **concentric**
- support density: **10%**
- build plate adhesion: **brim**
- brim width: **10mm**

The cage may take a couple minutes to slice with 50° support angle, but it should go eventually.

HINGE DOES NOT OPEN FURTHER THAN SHOWN IN PICTURE!

Model files



cage-half.3mf



cap-top-convex.3mf



cap-top-concave.3mf



cap-bottom-convex.3mf



cap-bottom-concave.3mf



pot.3mf



pin.3mf

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