



# Hanging Basket Hooks and Hanger



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## Summary

Hanging basket hooks and hanger replacements.

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Tags: [hangingplanter](#) [homedepot](#)

These two models are to be used in conjunction with any type of string or wire that can connect them together. The hanger (larger part with the holes) can be used with 3, 4, or 5 clip hanging planters that are sold in most home improvement stores such as Home Depot or Lowes'. The balance point of the hanger **SHOULD** be lined up with the middle hole, making it automatically balanced as long as you use the correct holes:

1. When using 3 clip planters, use the middle 3 holes (pictured).
2. When using 4 clip planters, use the outer 4 holes (pictured, cover).

This design has not been tested for long term durability, but so far the two hangers have stood up for a week with a 7 lb 5.7 oz (3.33 Kg) and 5 lb 13.9 oz (2.66 Kg) load in 4 and 3 clip planters respectively. I used PETG filament with a 50% honeycomb infill just because I was overly cautious about the part's strength.

The model could probably be scaled up and have sections taken out of the middle to prevent unnecessary waste of material. I'll try that next summer.

## Back Story

I had a weed eater accident with a hanging planter of mine this spring. The only thing damaged was the hanging hardware. In the past I have gotten by with a D-ring clip, drilling new holes, and some string. However after a second planter's plastic "string" snapped off, I decided I needed to at try my hand at creating a new clip I could then attach to a D-ring clip or something else to use as a hanger. Additionally, I decided to try FreeCAD after creating my first few models in TinkerCAD.

The clips turned out to be pretty good AND I saw that they could fit the two kinds of hanging planters I had (pictured). I also saw that the 3 and 4 clip planters had the same clip design, they just only use one side of the clip in one instance (pictured).

After my success with the clips, I moved on to the hanger. I decided on a 5 hole design because I had both 3 and 4 clip planters and wanted to have one design for both. This meant that the balance point would have to match no matter what I used it for, and this lead to the design I chose. Some of the oddities of being a FreeCAD newbie and making the base part sketch fully constrained lead to the odd shape on the back side of the model. As stated above I intend to experiment with this next summer.

## Model files

**basket-hanger.stl**



**basket-hook-filleted.stl**



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