Flat to 3D Christmas Tree Ornaments

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VIEW IN BROWSER

updated 28. 11. 2025 | published 28. 11. 2025

Summary

Prints flat in 3 parts that slide together using material flexibility to build a spherical ornament.

Seasonal designs > Winter & Christmas & New Year's

Tags: snowflake christmas star ornament christmasornament christmasdecoration christmastree christmastreeornament

Simple and stylish way to add charm to your Christmas tree.

This festive set includes four beautiful shapes: a **Christmas tree** , a **star** , and **two snowflakes** ❄. Each ornament prints completely flat as three simple pieces that you slide together using the natural flexibility of your filament. Within seconds the flat parts transform into elegant, lightweight spherical ornaments that look like handcrafted designer decorations.

Flat printing means perfect surfaces, fast prints, and zero supports. No tricky overhangs, no messy bridging, just clean and reliable results on any printer. Every piece lifts off the bed ready for the fun part of the process: assembly. And once put together, the ornaments glow beautifully on any Christmas tree.

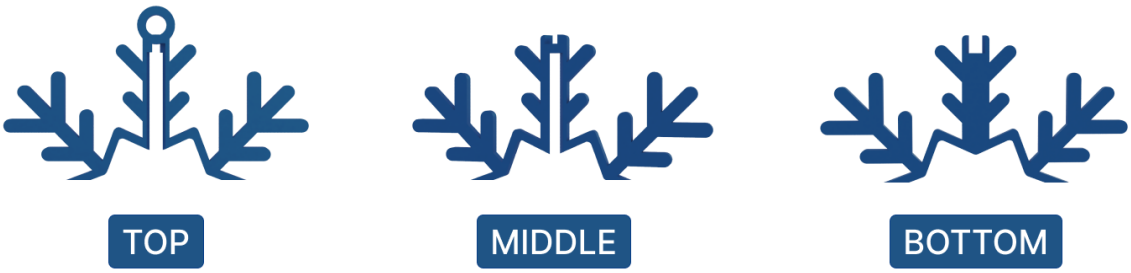
Assembly Instructions

1. Identify the three parts

Each ornament consists of three flat printed pieces:

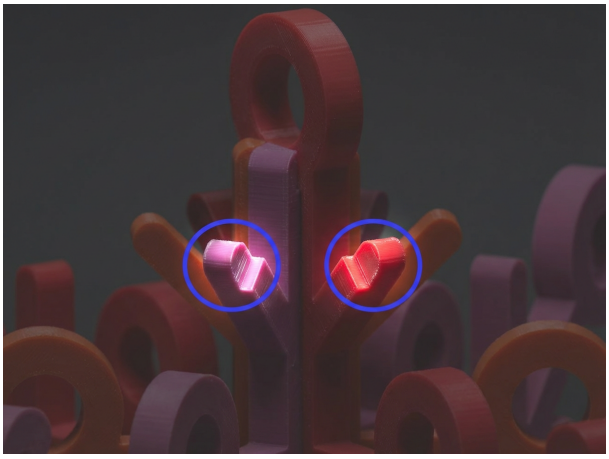
- **TOP** — includes the hanging loop
- **MIDDLE** — has two small alignment cuts at the top
- **BOTTOM** — has a filled center section

Check the cheat-sheet image to quickly recognize each shape.



2. Join the TOP and MIDDLE

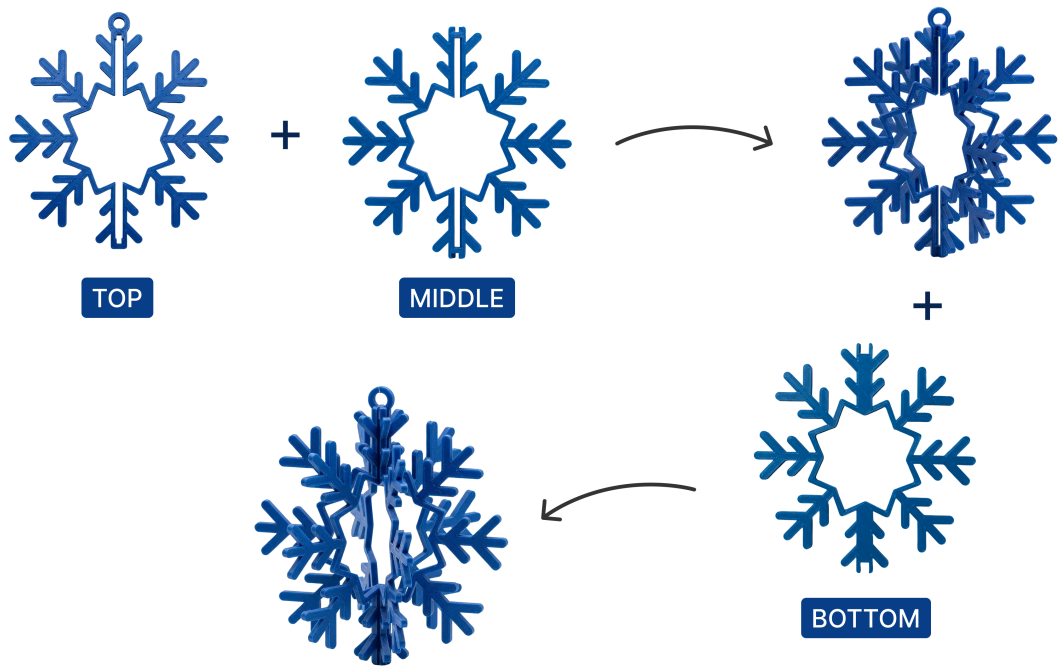
Locate the small alignment indents at the top.



Hold the **MIDDLE** piece and **first place it onto the lower part of the TOP piece**.

Gently flex the MIDDLE piece, **press the two parts together slightly**, and **slide the MIDDLE upward into the center slot of the TOP** so they lock into position.

The material’s flexibility lets the parts slide together smoothly without using much force.



3. Add the BOTTOM part

Locate the small alignment indents at the top of the **BOTTOM** and **MIDDLE** pieces.

First place the BOTTOM piece onto the lower end of the assembled TOP+MIDDLE.

Gently flex the BOTTOM piece, **press the parts together a bit**, and **slide it upward into the center slot** until all three pieces line up correctly.

The ornament should now form a clean, symmetrical 3D shape.

4. Hang and enjoy

Attach a string or hook through the loop and hang the ornament on your tree.

Model files

christmas_tree_ornament.3mf

snowflake_ornament_a.3mf

snowflake_ornament_b.3mf

star_ornament.3mf

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