



## Drill bits case (parametric)

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updated 6. 1. 2024 | published 6. 1. 2024

### Summary

Cylindrical drill bits case by Dagongar remixed with OpenSCAD and Fusion 360

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When my original drill bits case broke, I was looking for a replacement to 3D print. I found the drill bits cylindrical case by Dagongar, which I liked.

Additionally, I had a strange collection of other loose drill bits. So the case was not fitting completely. I remixed it in Fusion 360 by removing the inner bit holder and just leaving the outer shell with a nice grip design.

The inner bit holder I designed parametrically in OpenSCAD with the following important parameters:

- Drill Diameter is an array of the diameter of each drill, sorted in descending order. The first will be placed on the outer level.
- Drill Length is an array (of the same size) of the corresponding length of each drill.
- Free Height is how far the smallest drill bit will stick out. All others are aligned to this height.

Design your inner bit holder, export it to Drillbits.STL. Create a project, import the Drillbits.stl, import Drillcase.stl, and combine both and slice together.

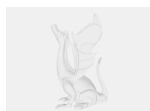
## This remix is based on



### Drill bits cylindrical case

by Dagongar

## Model files



**drillbits.scad**



**drillcase-combined.3mf**



**drillbits.stl**



**v11-cap.stl**



**drillcase.stl**

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