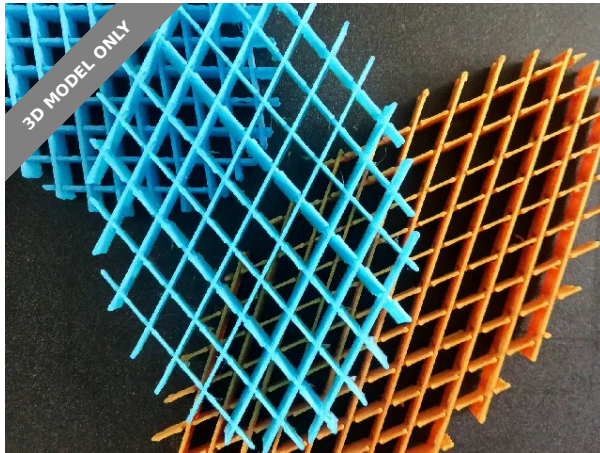




Fidget: Squish Fidget



KingTut

[VIEW IN BROWSER](#)

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Summary

This is an extremely satisfying and fully parametric squishy fidget

[Toys & Games](#) > [Other Toys & Games](#)

Tags: [fidget](#) [stretch](#)

Want the same results? Click [here](#) to find the filament I use for results like these.

This model is inspired by [TomoDesign's stretch fidget](#) but as you can see it is all my own design, so I have not done it as a remix. **I have added seven sizes that are ready for printing** but if you want more read down below on how to make your own unique parametric design.

HOW TO ALTER PARAMETERS:

- When you open the file in openscad it should show these parameters right at the top:
- `width = 100;`
`ring_offset = -1.5;`
`vert_tol = 0.2;`
`gap_width = 3;`
`gap_height = 2+(vert_tol*2);`
`height = (gap_height-(vert_tol*2))*2;`
`layers = 2;`

- Simply change the numbers to you plant's size(mm) and then press F5 to preview your progress, once you are happy with the result export the file.

HOW TO EXPORT:

- Once you have altered the parameters accordingly you can export the file as an stl for 3d printing, you do this by pressing **F6** on your keyboard to render and then pressing **file** in the top right, then pressing **export** and then **export as stl**

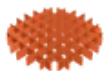
Parameters:

- **width:** The diameter of your design
- **ring_offset:** Change this to make the ring slightly bigger or smaller to make it more 3d print friendly
- **vert_tol:** the vertical gap between the parts
- **gap_width:** the width of the horizontal gap(changing this can increase/decrease the squishyness of the model)
- **gap_height:** The height of the gap, this is a big contribute to the overall height of the design (only change the first number)
- **height:** DO NOT CHANGE
- **layers:** The amount of stacks of the interlocking grid, increasing this will give the model more strength.(I highly recommend 2, but you can experiment with more or less)

If you like this please consider joining my [club](#) for exclusive models and a commercial licence and even CUSTOM DESIGNS FOR YOU!

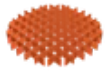
Model files

squish-60mm.stl

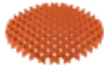


squish-80mm.stl

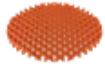




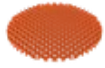
squish-100mm.stl



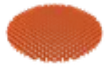
squish-120mm.stl



squish-140mm.stl



squish-180mm.stl



squish-200mm.stl



squish.scad

 OPENCAD FILE

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