



## Football made from longdring straws



gsohler

VIEW IN BROWSER

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### Summary

Ever wanted to create something big with your 3D printer ? Create a football or any other platonic solid from...

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Ever wanted to create something big with your 3D printer ?

Create a football or any other platonic solid from longdring straws.

e.g. <https://www.ebay.de/itm/500-10-000-Jumbo-Trinkhalme-bzw-Strohhalme-schwarz-250-x-8-mm-fur-Cocktails/263285207912?hash=item3d4d057368:m:mFAVz7ilU0uajfA2ipKitwg>

In case of the Football these are the instructions

- You need 60 corners, so print the item 6 times
- The "root" of the joint is where 6 hexagons meet
- the "branches" of ther joint form the angle needed for the pentagon
- the angle between root and a branch form the angle needed for the hexagon

In case of many other solids documented @ [https://en.wikipedia.org/wiki/Archimedean\\_solid](https://en.wikipedia.org/wiki/Archimedean_solid) :

- look into straweder.scad
- enable the correct joint
- print it so often until the solid is complete

Looking forward to get photos

Category: Math Art

## Model files



**straweder.scad**



**straweder.stl**

[Find source .stl files on Thingiverse.com](#)

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