

42 - Version25



kaje

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Summary

The Answer. Also, just having fun trying out a some 3D CAD and printing ideas. More versions on the way.



5.81 hrs



4 pcs



0.20 mm



0.40 mm



PLA



52 g



Prusa
MK3/S/S+

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The Answer.

Also, just having fun trying out a some 3D CAD and printing ideas. More versions on the way.

This one : 42 Ball

Note : Alternatively consider printing just the "42 hemisphere" - looks interesting sitting on the desk.

The idea for a sphere made from two hemispheres screwed together was taken from "schraitle", but I made a new design which uses a bit less

filament (and of course has another obvious difference). The nominal diameter of this ball is 65mm.

The talon holder shown in the photo is a separate print referenced under re-mixes.

OnShape 3D CAD files :

<https://cad.onshape.com/documents/c1fa2522d715c7f8f9691107/w/9ba97d6a8fb4a550253fda91/e/8212dad756e71772724a8fba>

Print instructions

Print in PLA using the 3mf files provided. Otherwise :

- 10% rectilinear infill
- variable layer height (more layers at the top of the prints)

Note : When removing the "surround" (white parts around the number) be careful about the little piece in the middle of the four- it's easy to misplace. Ask me how I know!

Also - the surround pieces are a tight fit, but they will go in with care. Once they are in, you will likely not be able to remove them.

This remix is based on



Talon - Version 4

by kaje



Ball

by schraitle

Model files



sphere42-surround.3mf



sphere42-surround.stl



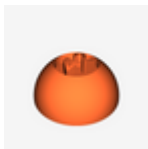
sphere42-hemisphere.3mf



sphereea-hemisphere.3mf



sphereea-hemisphere.stl



sphere42-hemisphere.stl



spherejoin-thread.3mf



spherejoin-thread.stl

Print files



sphere42-surround_02mm_pla_mk3s_30m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 0.50 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+



spherejoin-thread_02mm_pla_mk3s_39m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 0.66 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+



sphere42-hemisphere_02mm_pla_mk3s_2h29m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 2.48 hrs ⚖️ 24 g 🖨️ Prusa MK3/S/S+



spherea-hemisphere_02mm_pla_mk3s_2h10m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 2.17 hrs ⚖️ 20 g 🖨️ Prusa MK3/S/S+

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

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