



30cm Large Optical Illusion Wind Wheel (11,8" diameter)



PanicCarefully

[VIEW IN BROWSER](#)

updated 13. 10. 2023 | published 13. 10. 2023

Summary

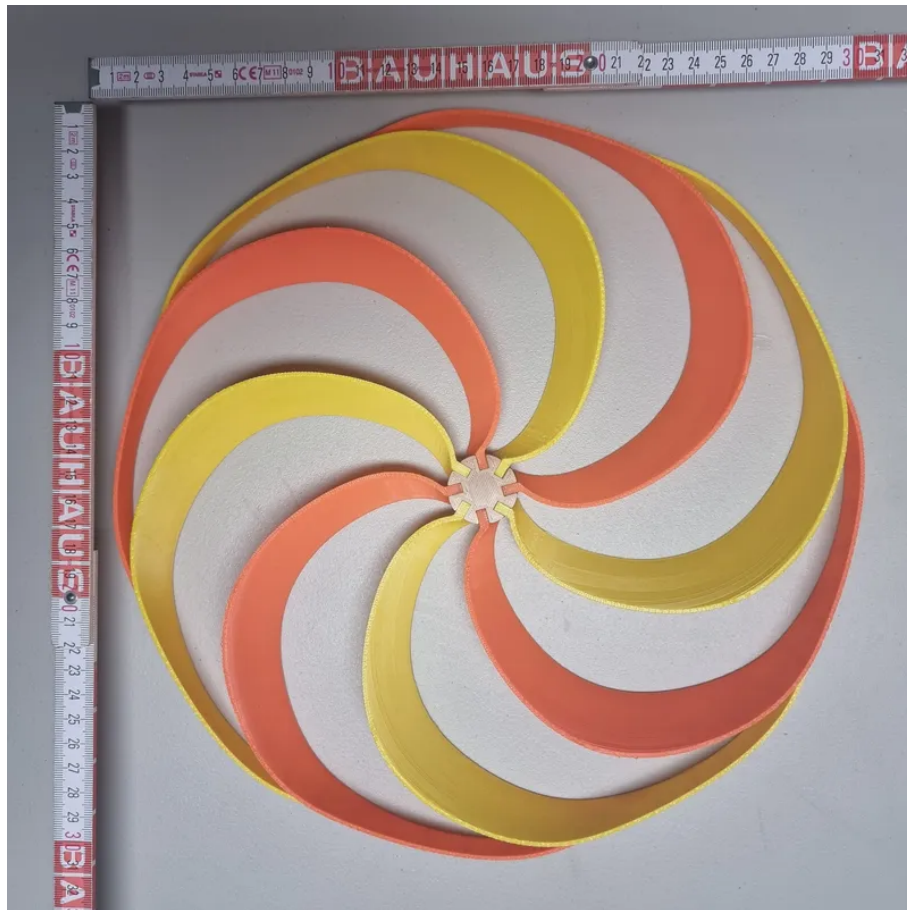
large optical illusion wind wheel - fits on a 25×21 cm (9,84"×8,3") built plate (e.g. Prusa MK3x/MK4)

[Household](#) > [Outdoor & Garden](#)

Tags: [tool](#) [garden](#) [balcony](#) [wind](#) [kineticsculpture](#)
[windwheel](#) [balcon](#)

Hi,

this is a smaller remix of my "[40cm Giant Optical Illusion Wind Wheel \(15,75" diameter\)](#)"



Here 'only' the files for the wings (open AND closed) as well of the rotors are available - for the housing or the assembly description please refer to ["40cm Giant Optical Illusion Wind Wheel \(15,75" diameter\)"](#) .

I think this will give you a good impression of the available sizes:



from left to right:

40cm diameter : [40cm Giant Optical Illusion Wind Wheel \(15,75" diameter\)](#)

30cm diameter: this page ([30cm Large Optical Illusion Wind Wheel \(11,8" diameter\)](#))

20cm diameter: [Optical Illusion wind wheel remixed for Prusa MK3/4](#)

Note: I'm currently working on a 20cm muliwing version (similar to the 40cm and the 30cm) version

I hope you can use this design and would be very thankfull if you give me a like, a comment or even better post a make of your built. Stay curious and enjoy life!

If you are interested in a one rotor wind wheel version of the size of:

40cm diameter: [40cm Giant Wind Wheel \(approx 15,75" diameter\)](#)

30cm diameter: [30cm Wind Wheel \(approx 11,8"\)](#)

***** **update 2023-08-04** *****

Summary

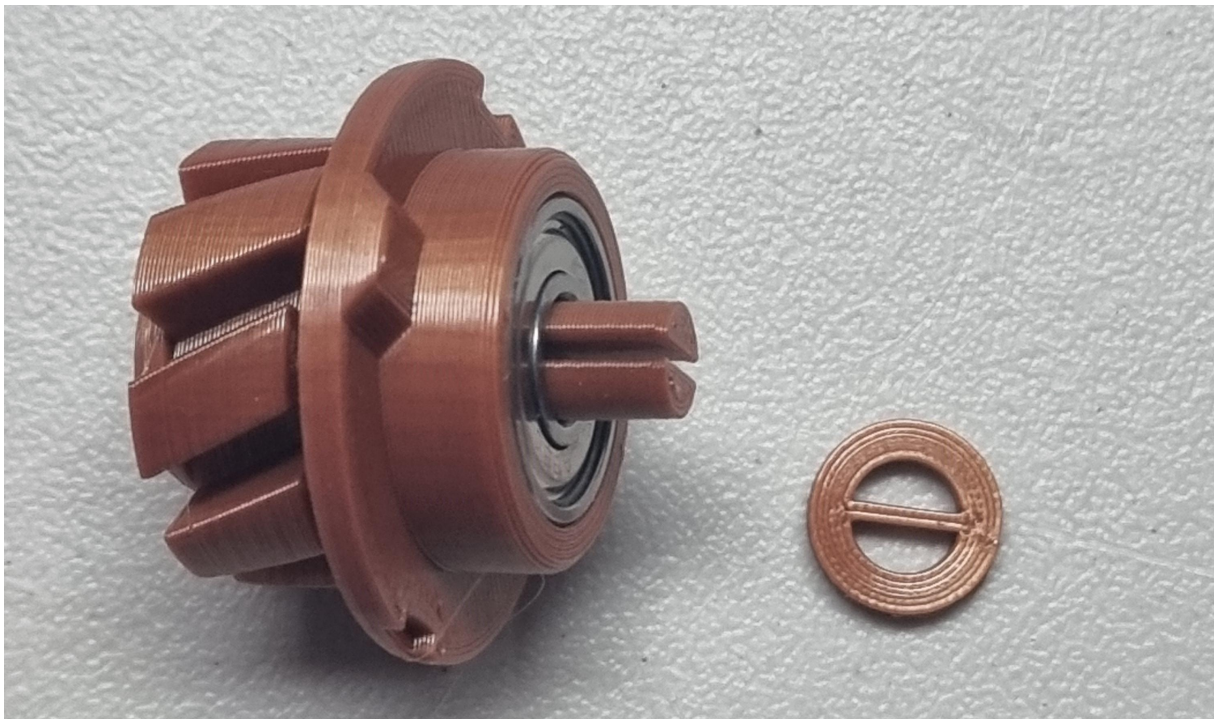
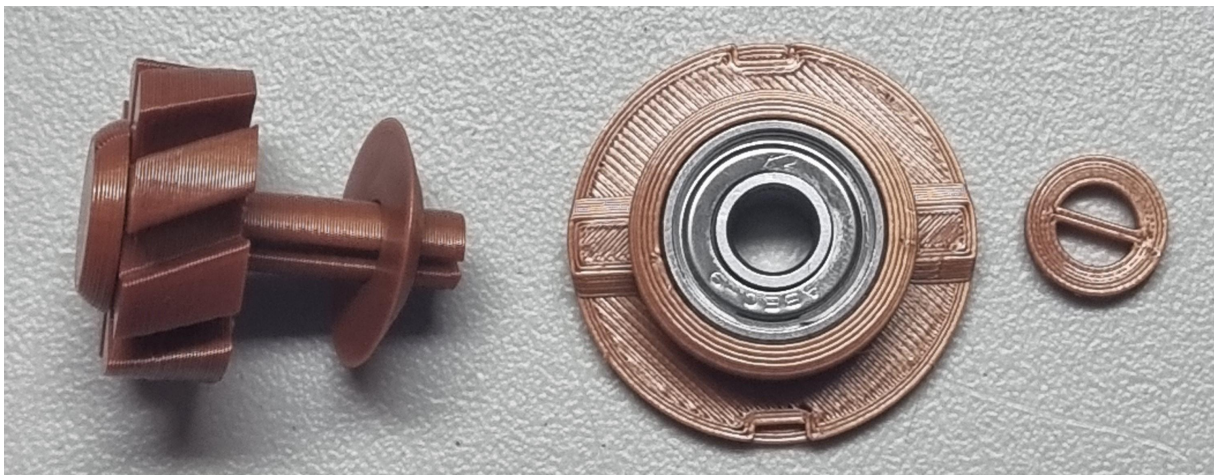
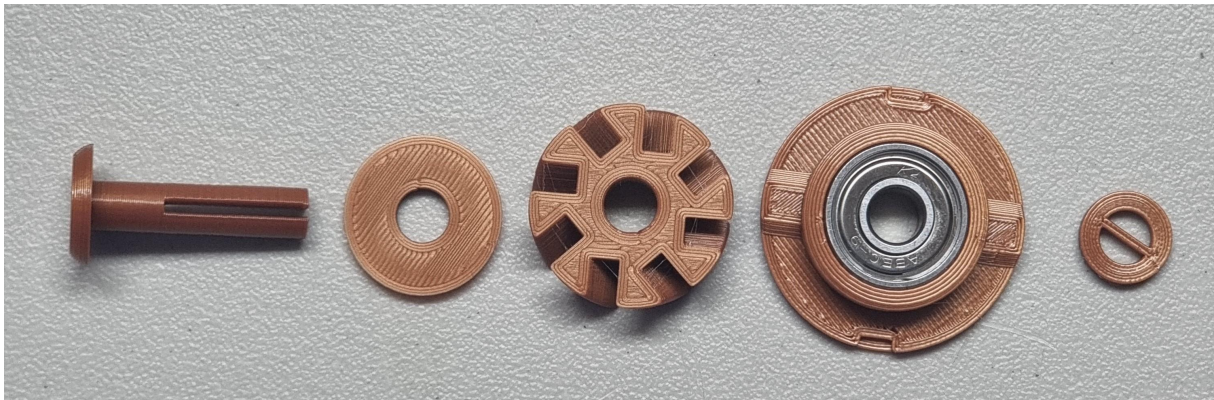
I've update the organisation of the downloadfiles and provided an improved axle/ball bearing design, that should provide a better fit than before.

Changes

now there are two folders in the download section.

1. **Folder "original files"** contains the files added to this post at it's first publication. The folder contains only the rotor and wing data.
Folder "update 2023-08-04" contains an improved design for the axle/ball bearing combination as well as some housing improvment. The data for the wings were not changed but also added.
2. The biggest improvement was made axle/ball bearing. In order to get a snug fit I redesigned the rotor, the axis, the two rings and the housing. The assembly basically was not changed.
The axis has to go through the winged rotor (cup of the axis facing outwards, text on the rotor facing inwards), than the bigger rotor ring onto the axis (the larger face facing to the rotor), than the ball bearing shell (with the ball bearing already inside) on the axis and at last the ring with the bridge onto the axis.

3. to close the housing, just print a second ball bearing shell and put in the preferred plug to close the axis-hole.



If need further info on how to assemble the wings please refere to :["40cm Giant Optical Illusion Wind Wheel \(15,75" diameter\)"](#)

*****end update 2023-08-04 *****

This remix is based on



40cm Giant Optical Illusion Wind Wheel (15,75" diameter)

by PanicCarefully

Model files



original files

4 files



v86_closed-rotor_30cm.3mf



v86_closed-wing_30cm.3mf



v86_open-rotor_30cm.3mf



v86_open-wing_30cm.3mf



update 2023-08-04

5 files



30cm_closed_wing.3mf

☐ use only in combination with closed rotor



30cm_closed_rotor.3mf



30cm_open_wing.3mf

☐ use only in combination with open rotor



30cm_open_rotor.3mf



30cm_housing_optical-illusion.3mf

License ©

This work is licensed under a Standard Digital File Licence

Digital files have a strict non-commercial, personal use only license.

You shall not share, sub-license, sell, rent, host, transfer, or distribute in any way the digital file or 3D printed versions of this object, nor any other derivative work of this object in its digital or physical format. (including remixes of this object)

You can not host this files on other digital platforms, web stores or cloud repositories.

The objects may not be used without permission in any way whatsoever in which you charge money, collect fees.

- ✖ | No sharing or redistributing in any way of the 3D files or derivatives
- ✖ | No remixing
- ✖ | Non-commercial Use (only for personal use)

✖ | Meets Open Definition