

Illusion Windturbine 200 / 250



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Summary

Beautiful illusion wind turbine, rotates in opposite directions.

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Tags: [wheel](#) [pinwheel](#) [turbine](#) [wind](#) [windmill](#) [rotor](#)
[windturbine](#) [illusion](#) [windwheel](#)

Thank you airfish for the beautiful counter-rotating illusion wind turbines. I couldn't find the original pinwheel anywhere anymore...

I enlarged the wind turbines to 200 mm and added hubs for ball bearings 608ZZ (22x8x7). There are 4 different axles, suitable for an 8, 10, 12 or 15 mm rod, the reducer allows you to use a 6mm rod. Due to the adhesive discs on the wind turbines, a print bed with at least 210x210 mm is required. With NabeTest you can adjust the bearing seat of the wind turbines with scaling in X and Y. The labyrinth ring is glued to the wind turbine with CA after mounting the bearing.

"Illusion250" wind turbines with a diameter of 250 mm added, assembly remains the same.

Deckel6 - Blossom is from Dynasus - <https://www.thingiverse.com/thing:1596049>

Are needed:

2x ball bearings 608ZZ for the wind turbines

1x stainless steel threaded rod M8x72

2x stainless steel nut M8

4x stainless steel cylinder screw M3x8

1x rod 10 or 6 mm

Assembly:

Achse on rod

threaded rod M8x72 in Achse

Distanz10

wind turbine with ball bearing and Labyrinth

Distanz2

Nut M8

Deckel

Cylinder screw M3x8

I would also like to recommend these wind turbines:

Archimedes Wind Turbine Remix

<https://www.printables.com/de/model/773350-archimedes-wind-turbine-remix>

Ugrinsky Vertical Axis Wind Turbine Remix

<https://www.printables.com/de/model/769216-ugrinsky-vertical-axis-wind-turbine-remix>

Mini Airplane Wind Turbine

<https://www.printables.com/de/model/643163-mini-airplane-wind-turbine>

Savonius Vertical Wind Turbine Remix

<https://www.printables.com/de/model/775074-savonius-vertical-wind-turbine-remix>

Darrieus Savonius Turbine Ver.2 Remix

<https://www.printables.com/de/model/776180-darrieus-savonius-turbine-ver2-remix>

Windturbine MK2 neo Remix

<https://www.printables.com/de/model/782829-windturbine-mk2-neo-remix>

Toroidal Illusion Windturbine

<https://www.printables.com/de/model/790615-toroidal-illusion-windturbine>

Illusion Windturbine TIE F. Tail Fin

<https://www.printables.com/de/model/796246-illusion-windturbine-tie-f-tail-fin>

Model files

illusiona.stl



illusionb.stl



illusion250a.stl



illusion250b.stl



achse.stl



achse8.stl



achse10.stl



achse12.stl





achse15.stl



deckel.stl



deckel2.stl



deckel3.stl



deckel4.stl



deckel5.stl



deckel6.stl



labyrinth.stl



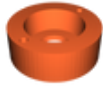
distanz2.stl



distanz10.stl



reduzierung106.stl



nabetest.stl

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