



## Ply-bird with levitating wing



CDS-Technic

[VIEW IN BROWSER](#)

updated 30. 4. 2023 | published 30. 4. 2023

### Summary

Ply-bird is a skeletonized bird sculpture with a magnetic levitating wing

[Art & Design](#) > [Sculptures](#)

Tags: [bird](#) [sculpture](#) [magnets](#) [levitation](#)

Ply-bird is a skeletonized bird sculpture with a wing that levitates with the help of magnets, and a small length of fishing line

The original bird was inspired by the remaining scraps from a plywood project, hence the name Ply-bird

Hardware:

4 or 5 5x3mm magnets and 2 lengths of 50mm fishing line (the thinner the better) is needed to complete the build

The magnets have been given a 0.15mm clearance, depending on your printer, the magnets may become loose, in that case, adding a drop of glue is always an option

To fix the wing Tie a large nut on both fishing lines and feed them up the large hole in the bottom of the wing and pull them towards the small slot as shown. feed the lines thru the hole in the body, adjust the length to level the wing. and tie a nut on that end to

Update:

Added split body file for easier multicolor print.

## Model files

 **Split body V.2** 2 files

 **ply-bird-upperbody-v2.stl**

 **ply-bird-lowerbody-v2.stl**

 **ply-bird-body-v2.stl**

 **ply-bird-wing-v2.stl**

## License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)



**Attribution—Noncommercial—Share Alike**

- 
- ✗ | Sharing without ATTRIBUTION
  - ✓ | Remix Culture allowed

- ✖ | Commercial Use
- ✖ | Free Cultural Works
- ✖ | Meets Open Definition