

Spectacular Halloween Carousel

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VIEW IN BROWSER

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Summary

Spectacular Halloween Carousel, All Halloween icons in motion!!!

Seasonal designs > Autumn & Halloween

Tags: toy halloween skull pumpkin funny gear fun easytoprint printinplace geared halloweendecoration easyprint halloweenpumpkin halloweendecor

Spectacular Halloween Carousel

Watch the video – it captures the model much better than photos !!!All Halloween icons in motion!!!

Introducing the participants of this grand carousel party!

https://www.youtube.com/watch?v=gendlMSnmNM

There’s a bat, a ghost, a pumpkin, some spooky skulls, and a gross spider in a web hanging above a Halloween cauldron. They are all spinning, waving, and bouncing around.

The ghost performs **three types of movement**: it moves forward, spins, and lifts the pumpkin. **The skulls bounce up and down, lifting the**

spider to keep it from falling asleep,the web beneath the spider ripples. Meanwhile, the **bats are poised for takeoff.**

Creating a model like this was a truly wild idea.

At first, I didn't even want to start, but by the end, I was really enjoying it. Once everything finally started working smoothly after several rounds of fine-tuning and testing, I was absolutely thrilled.

Update!!

Modified stand part for manual drive – expanded base for finger-gripping.

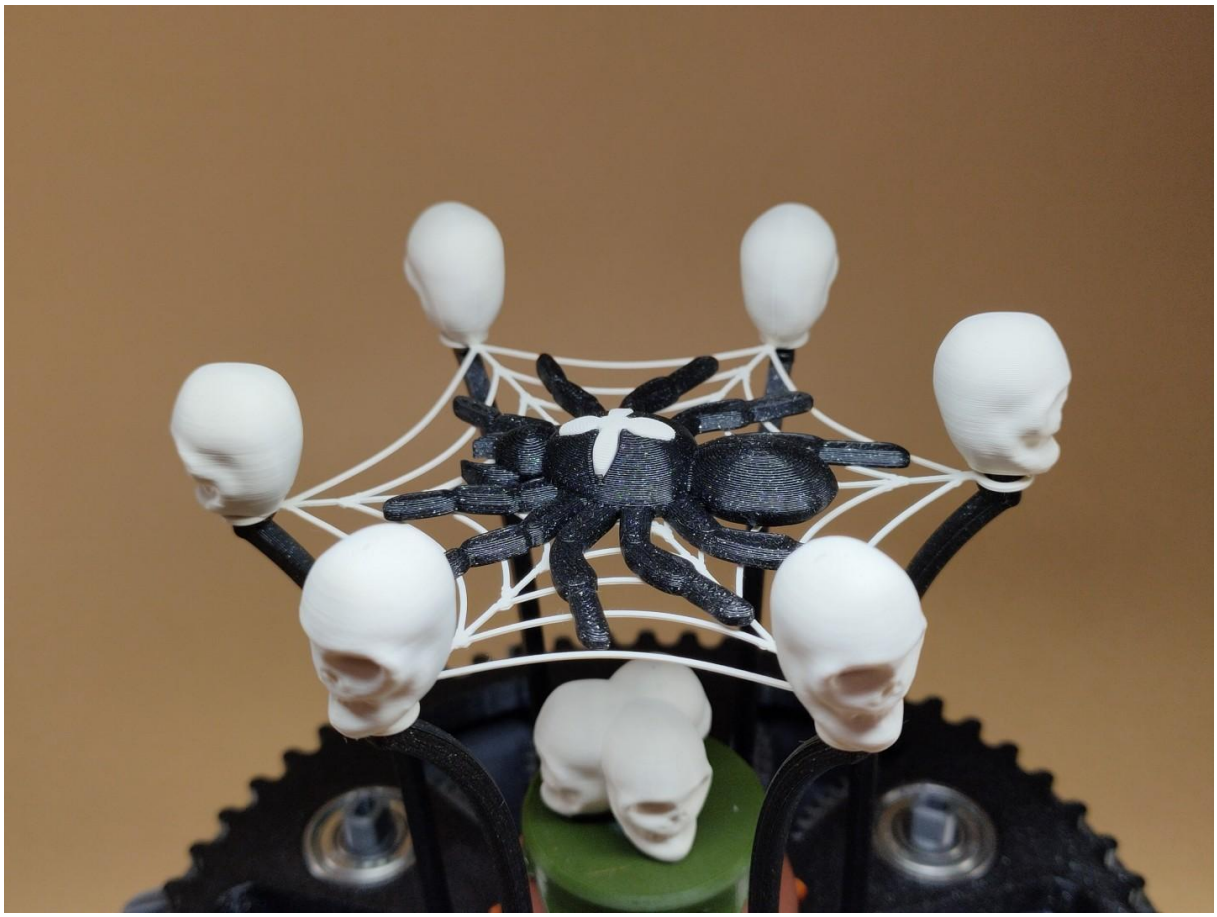
Update!!!

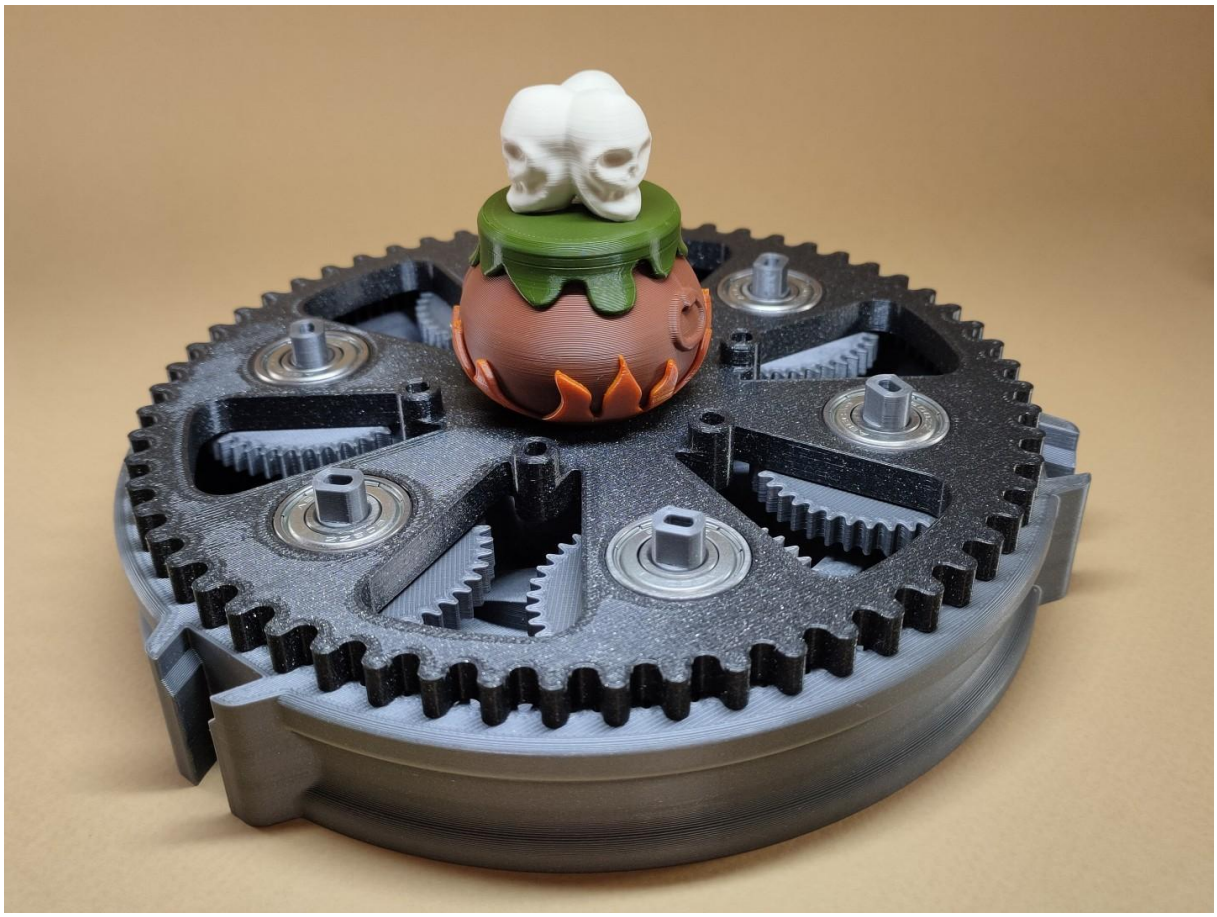
I have slightly increased the **tolerance of the bat-wing joints** to allow for freer movement.

I also recommend this **specific placement for the print seams**, to prevent any thickening from forming on the edges of the joint sockets.









Now, let’s look at the assembly instructions:

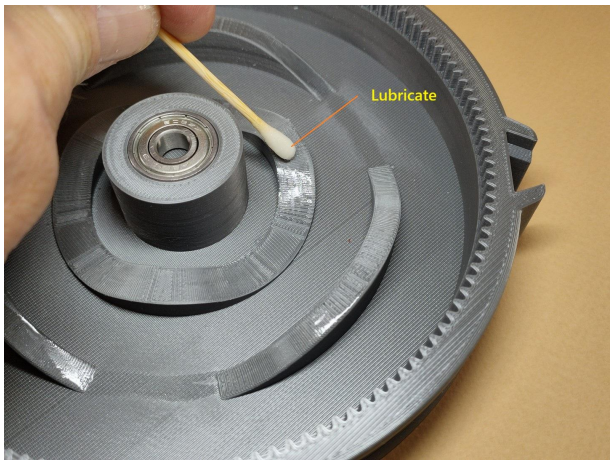
The most critical aspect of a model with so many moving parts is minimizing friction !!!—this is the key to ensuring smooth operation.

This is a common issue with 3D-printed parts, especially when they move against the print layers.

To address this, **I sanded the surfaces with fine-grit sandpaper, applied a coat of ski wax (specifically for low temperatures—it must not be sticky), and finished with a PTFE-based lubricant (Teflon),** which doesn't attract dirt or debris.

Sand down and round off the ends of the guide rods for the ghosts and the spider web to minimize friction—it will help!!

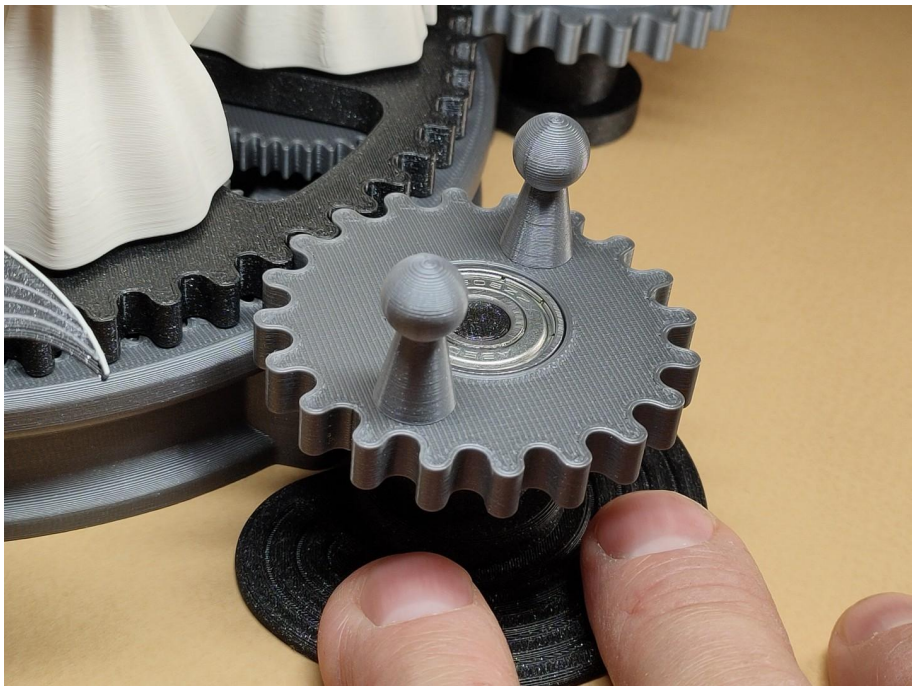


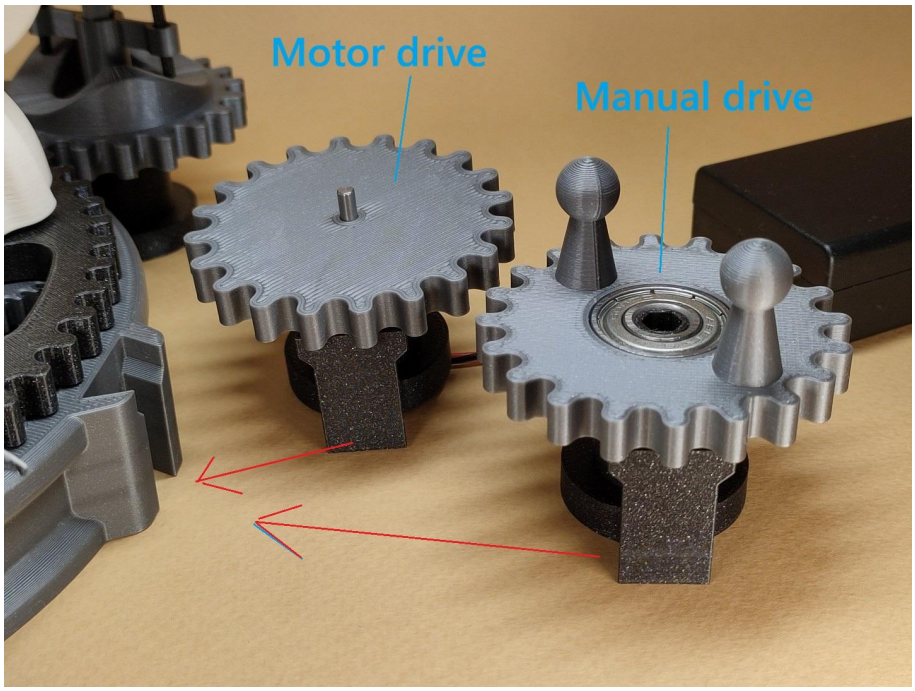


The model, which incorporates **ten 608 bearings (8x22x7mm) and 18 rods** that travel along wavy tracks, runs surprisingly well. I have prepared **two drive versions: manual and motorized**. Swapping them is ridiculously simple—just slide the drive mounts into the slot on the model's base.

Update!!

Modified stand part for manual drive – expanded base for finger-gripping.





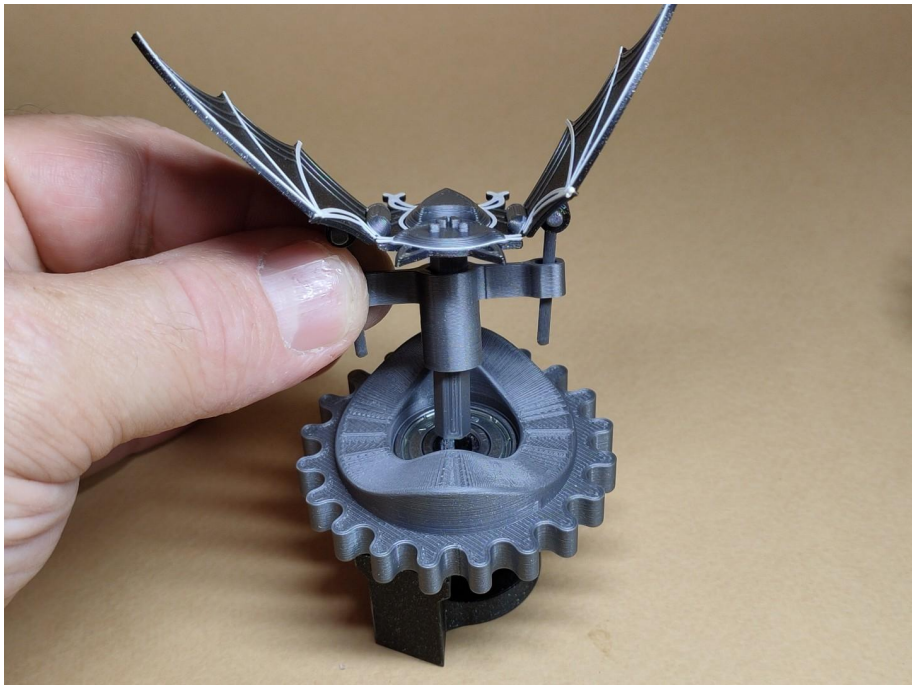
The motor is an N20 type with a low RPM; mine runs at about 20 RPM.

You can buy the bearings at any sports store—they are the type used for inline skates.

Bearings and bearing components fit together quite tightly, so that gluing is not required.

Check out the video for instructions; I believe it covers everything you need for assembly. **The trickiest part is assembling the bat**. After printing, **carefully loosen up its wings so they can move**. Glue the

joints and the mount, attach the wings to the arms, and then insert the assembly into the "bat holder"—positioned perpendicular to the carousel.

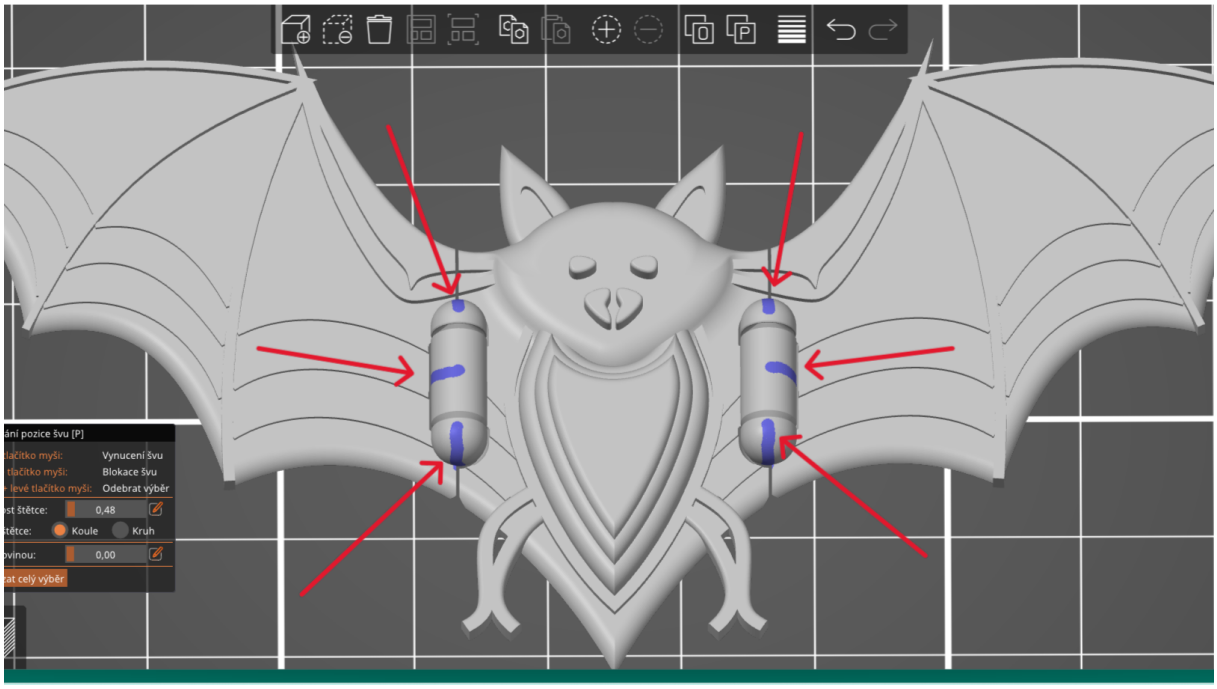


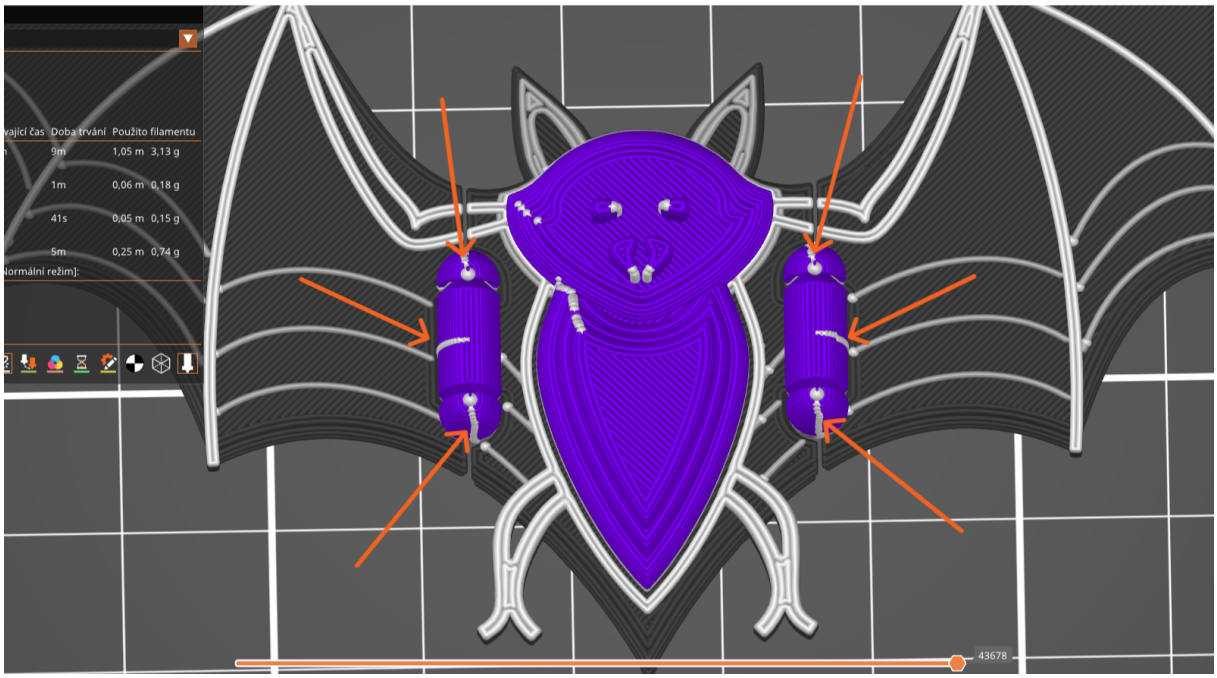
Update!!!

I have slightly increased the **tolerance of the bat-wing joints** to allow for freer movement.

I also recommend this **specific placement for the print seams**, to prevent any thickening from forming on the edges of the joint sockets.

See the photos.





Clean radius



But don't be afraid to flap those wings vigorously—it will help, in any case!I applied PTFE lubricant to all rods that have moving parts.

If I’ve forgotten anything, or if anything is unclear, please let me know—we’ll fine-tune the model to perfection!

Please adhere to the model's license terms. It is becoming increasingly common for my models to be stolen, distributed without permission, and resold

Model files



base.stl



big-gear-wheel.stl



central-axle.stl



external-gears-3x.stl



bat-stand-3x.stl



internal-gears-6x.stl



motor-case.stl



drive-wheel-from-the-motor.stl



manual-driver-stand.stl



manual-drive-wheel.stl



ghost-6x.stl



ghost-base-6x.stl



pumpkin-1.stl



pumpkin-2.stl



pumpkin-3.stl



bat-updated.stl



bat-holder-3x.stl



bat-wings-arms.stl



bat-wings-fixer-3x.stl



ghost-arms.stl



wing-joints-6x.stl



skull.stl



spiderweb-strand.stl



spider-web.stl



spider.stl



spider-cross.stl



cauldron.stl



fire.stl



potion.stl



skuls.stl

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