



# Herringbone Gearbox 126:1



Basement Creations

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updated 12. 4. 2022 | published 30. 3. 2022

## Summary

I don't know why but i really like to design gearboxes. This one has a ratio of around 126:1 and uses herringbone...

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I don't know why but i really like to design gearboxes. This one has a ratio of around 126:1 and uses herringbone gears. It works pretty well and can be used for whatever purpose you want( use grease for better performance )

I also included .f3d and .step files so you can easily edit all the parts.

### Parts list

1x 6V Brushed DC Motor 24mm x 30mm

( <https://pl.aliexpress.com/item/32709347843.html> )

2x 2mm x 68mm rod

10x small 3mm screws

Optional grease for gears

1x Gear 36-9t

1x Motor Gear 20t

1x Top Gear 36t

2x Gear 23-9t

2x Gear 36-22t

1x Bottom Plate

1x Top Plate

1x Case with or without holes

Youtube video [https://youtu.be/7-ai\\_ZqaiQE](https://youtu.be/7-ai_ZqaiQE)

Make sure your 3D prints don't suffer from elephant foot , because that would increase the diameter of gears making them unable to spin correctly.

## **Print Settings**

### **Printer Brand:**

Creality

### **Printer:**

Ender 3

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

200

### **Infill:**

20

**Filament:** PolyMaker PLA

Category: Hobby

# Model files



**bottom\_plate.stl**

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**gear\_36-22t.stl**

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**gear\_36-9t.stl**

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**motor\_gear\_20t.stl**

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**case\_with\_holes.stl**

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**herringbone\_gearbox\_126-1\_to.f3d**

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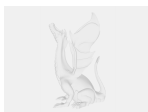
**case\_no\_holes.stl**

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**top\_plate.stl**

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**herringbone\_gearbox\_126-1\_to.step**

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**top\_gear\_36t.stl**



**wheel\_adapter.stl**



**gear\_23-9t.stl**

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

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