



Plug and play belted Nema 17 Gear Box for Extruders



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Summary

This is a plug and play belted gear box with 3.5:1 gear ratio (when using a 16t pulley). I'm using it on my Bear...

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This is a plug and play belted gear box with 3.5:1 gear ratio (when using a 16t pulley). I'm using it on my Bear extruder with an LDO 0.9 Slim Power stepper. Very inspired by <https://www.thingiverse.com/thing:3553286> and <https://www.thingiverse.com/thing:2845416>

Print with PETG without supports, vertically (it should look like an arrow pointing up on the plate). Use at least 3 perimeters and 12% gyroid infill.

Required hardware:

3x m3 20-25mm screws + washers

1x gt2 140mm closed belt

1x 16t pulley

2x 105zz bearings

1x ~40mm x 5mm shaft

Category: 3D Printer Extruders

Model files



spacer.stl



wheel.stl



body.stl

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

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