

Spirographic WDT Tool

 **joeshmoe9898**

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Summary

Work-in-progress spirographic WDT tool for a 58mm portafilter

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This spirographic WDT is designed to be used with a 58mm portafilter basket.

The design assumes the use of a few third-party parts, however, I'm still tweaking the design to accommodate these.

V2 Updates:

- Requires m2 screws and hex nuts only, all other parts are printed
- Gears are designed to secure top & middle sections
- “Tabs” added for single-handed use
- Axles are thicker and printed directly to the “Top” section

Model files



v1

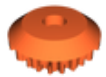
9 files



wdt-v12.stl



top.stl



gear-c-v3.stl



gear-a-v3.stl



gear-d-v4.stl

☐ Due to the shape, this is more difficult to 3D print. Below you can print the files in 2 parts



gear-b-v3.stl

☐ I recommend printing at 102% scale to reduce "binding"



gear-d-top.stl

☐ This can be printed separately and glued to "Gear D Base"



gear-d-base.stl

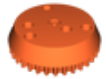


wdt-middle-v1.stl

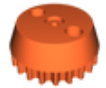


v2

5 files



gear-a-v5.stl



gear-b-v5.stl



top-v2.stl



gear-d-v5.stl



gear-c-v5.stl



wdt-v12.f3d



inverted-gear-rounded.stl



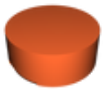
base-holder.stl



pin-v2.stl



moonraker-v2.f3d



stand.stl



middle-v3.stl



tab-a.stl

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