

Weihrauch HW 97 airgun reloader with magazine

 **MatejB**

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Summary

Mechanism for easier and safer way of loading pellets for Weihrauch...

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[weihrauch](#)

DESCRIPTION

The mechanism for an easier and safer way of loading pellets for Weihrauch HW97. <https://www.youtube.com/watch?v=DDRhrUY8kvM>

Full list of parts and tools in attached PDF

READ FIRST before you decide to start work on this

In order to make the mechanism reliable and precise, this project requires some manual grinding, drilling and some mechanical parts. Please carefully go through the attached assembly instructions during assembly. Even after, it might happen you will need to do some undocumented post-processing. In short, this project requires someone moderately skillful.

IF YOU ARE OUTSOURCING 3D MODEL - DON'T HAVE 3D PRINTER

If you decide to ask someone to print models for you, would be good to ask for more pieces to have some backup if you make mistake during the post-processing. The total raw material cost shouldn't be more than 4\$ for the whole assembly. Total print time is around 8 hours on average speed.

COMPATIBILITY

- Model is tested on Weihrauch HW 97, 4.5mm with synthetic stock. Compatibility with other stocks or HW 77 model is possible, but not guaranteed. Let me know if you test it.
- 5.5mm model compatibly - possible if you in magazine drill 5.5mm holes instead of 4.5mm. Not tested.

OTHER DETAILS

- I tested mechanism for over 100+ shots without any issue. But still don't know what is real durability. Feel free to share your experiences.
- Whole setup weights around 100g
- I don't have problem if you decide to sell this.

Print Settings

Rafts:

No

Supports:

Yes

Resolution:

200

Infill:

30

Filament: PLA, PETG

This remix is based on



Weihrauch HW 97 airgun reloader with magazine

by MatejB

Model files



magazine_hidden_magnets.stl



pusher.stl



frame.stl



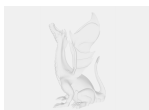
holder.stl



magazine.stl



barrel_fixation.stl



hw_97_reloader_v1.step



endstop.stl

Other files



requirements_and_instructions.pdf

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

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