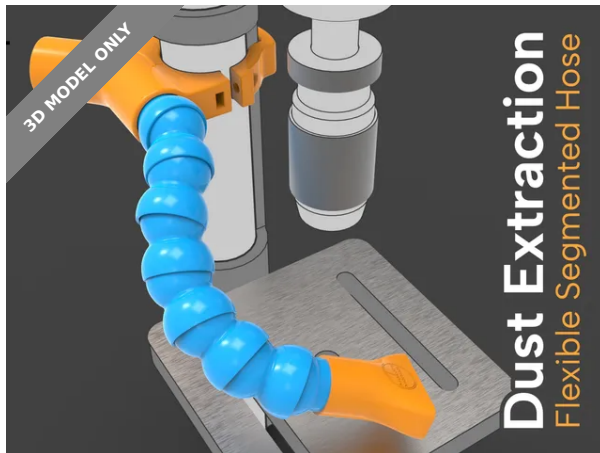




Flexible Hose for Dust Extraction



Makers Manual

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Summary

A Flexible Segmented Hose that attaches to your Pillar Drill and Shop Vac.

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[flexiblehose](#) [pillardrill](#)

Designed to seamlessly integrate into your workshop, the clamp has a 35mm hole on both ends to suit a standard shop vacuum hose end. If you choose not to use the clamp, then I have included an adaptor to convert from flexi hose directly to shop vac.

I have created several Pillar Drill clamp sizes, so hopefully one will fit.

Parts for Assembly

Affiliate Disclosure: As an Amazon Associate I earn from qualifying purchases. **The product links below may be affiliate links.**

- 2 x [M6x35mm](#) Countersink Bolts
- 2 x [M6 Nuts](#)

- 1 x **PTFE lubricant** (this helps assembly)

I would recommend printing with **8 Mid Link**, plus a **Start Link and End Link**, to give maximum flexibility in the design. After printing, I would recommend lightly sanding the parts to remove any lumpy bits before assembly.

- **Nozzle:** 0.4mm
- **Layer Height:** 0.20mm
- **Infill:** 25%
- **Orientation:** Orientation is important, see images
- **Supports:** Only required for Clamp A as pictured
- **Brim:** Brim is recommended for Funnel Attachment, everything else is fine without

Funnel Attachments

There are two funnel attachment options for various purposes (see images). These should all be printed with the hose end to the bed. A 5mm brim is a good idea and the 'Encapsulated Funnel Attachment' will need support.

Important Note:

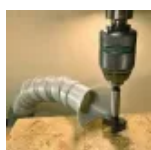
Some printers may print links looser than others. For this reason I would recommend doing a test print first, if you find the connection too loose it maybe worth looking at your print settings.

This was printed with PLA, though I would recommend printing this print PETG or increased durability.

<https://www.youtube.com/watch?v=ZDBfnINn6q8>

I hope you find this model useful. If so we would love it, if you can give us a LIKE.
You can also follow us on our **YouTube Channel here.**

This remix is based on



Flexible segmented vacuum hose 40mm (fits DN40 pipes) for ShopVac

by teslapunk

Model files



Flexi Hose Files

4 files



flex-hose-start-link.stl



flex-hose-middle-link.stl



flex-hose-end-link.stl



adapter-flexi-hose-to-35mm-id-for-vacuum.stl

☐ If not using the clamp, you will probably want this to connect flexi hose to your shop vac.



Funnel Attachments

3 files



funnel-attachment-straight.stl



funnel-attachment-enclosed.stl



funnel-attachment-enclosed-with-tab.stl

☐ This version has a small tab to hold down funnel while drilling.



Clamp Files

10 files



clamp-a-46mm.stl



clamp-part-b-46mm.stl



clamp-part-a-65mm.stl



clamp-part-b-65mm.stl



clamp-part-a-60mm.stl



clamp-part-b-60mm.stl



clamp-part-a-72mm.stl



clamp-part-b-72mm.stl



clamp-part-a-80mm.stl



clamp-part-b-80mm.stl

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