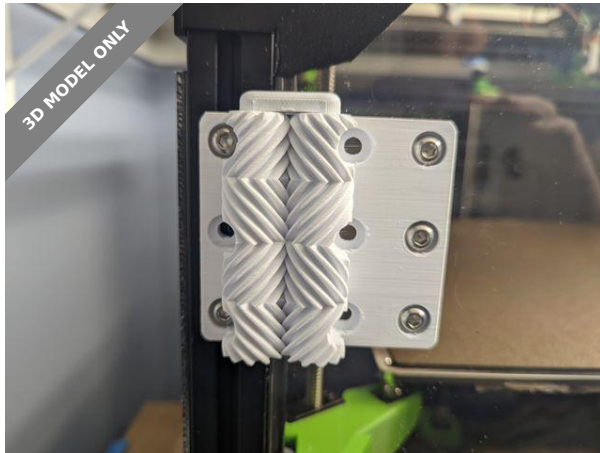




Geared Hinge



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[VIEW IN BROWSER](#)

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Summary

Another geared hinge. Smaller than my previous submission and with a simpler pin arrangement.

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This is a geared hinge. Similar to some of the full length geared hinges available on the commercial market but these have the unique feature of holding the vertical weight with the herringbone gear face. Low friction and very sturdy.

The pictured version was printed in PLA with .2mm layers. Inserting the pins into the gears takes a firm press to seat. Unlike in picture, two “top pins” can be used to secure hinge from both sides.

Print pins with flat side down, pins parallel to build plate (not upright), print hinge_a and hinge_b with gears as vertical upright column.

*added Hinge_A with long tab and Hinge_B with short tab so you can put together a symmetric hinge as needed. Match either A side (short or long tab) with either B side (short or long tab).

Model files



hinge_top_pin.3mf



hinge_series_connector.3mf



hinge_b_long-tab.3mf



hinge_a_short-tab.3mf



hinge-a_long-tab.stl



hinge_b_short-tab.stl

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