

Treadmill (Rinberg's lab)

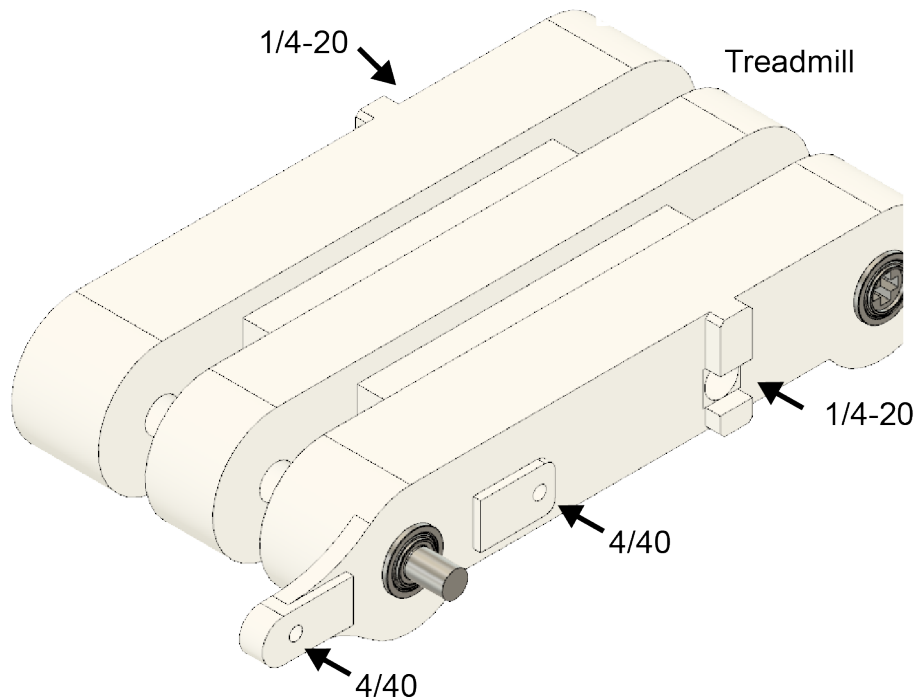
Last update: Mihaly Voroslakos (2025. August 29.)

BOM (Bill of Materials)

https://github.com/misiVoroslakos/3D_printed_designs/blob/main/Treadmill_Rinberg/BOM_Treadmill_Rinberg_v02_encoder.txt

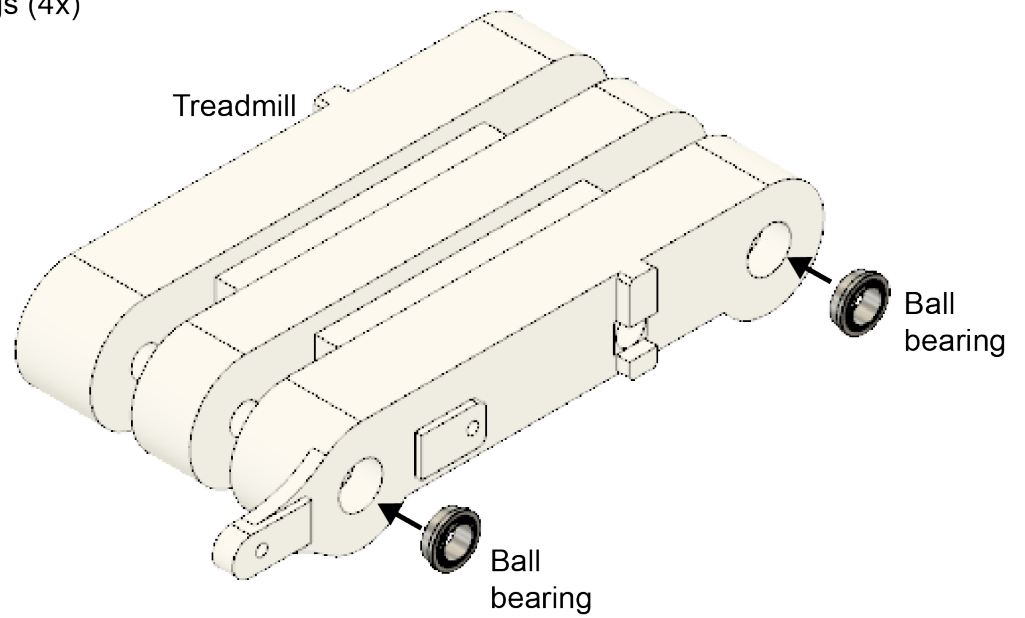
Detailed explanations of the process

Tapping

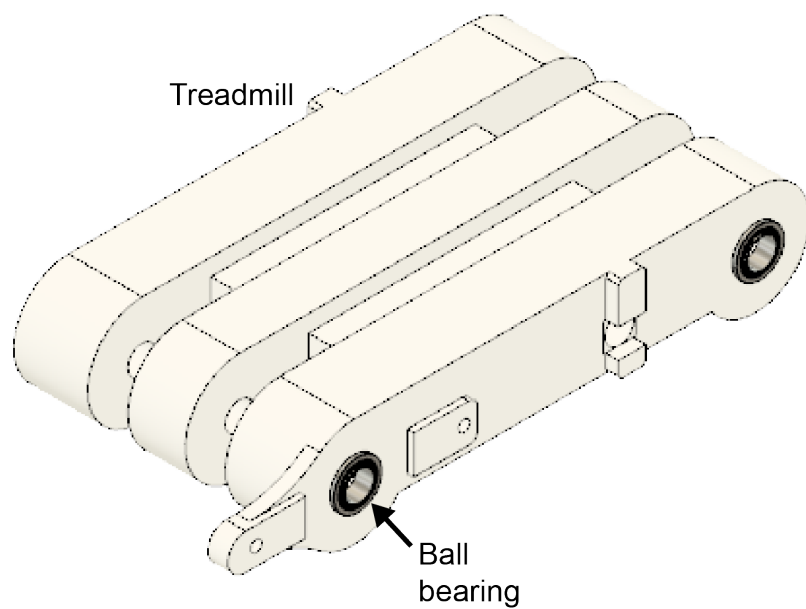


1. Tap 1/4" (1/4-20) holes on both sides of the Treadmill.
2. Tap 4-40 holes for the encoder.

Insert ball bearings (4x)

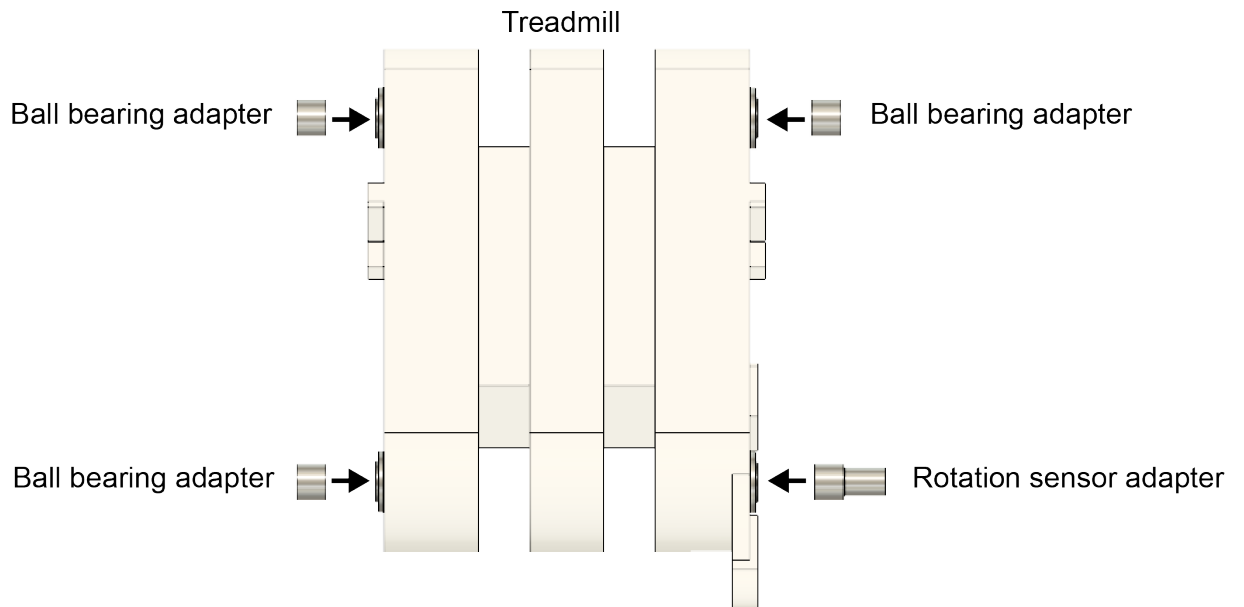


Completed step

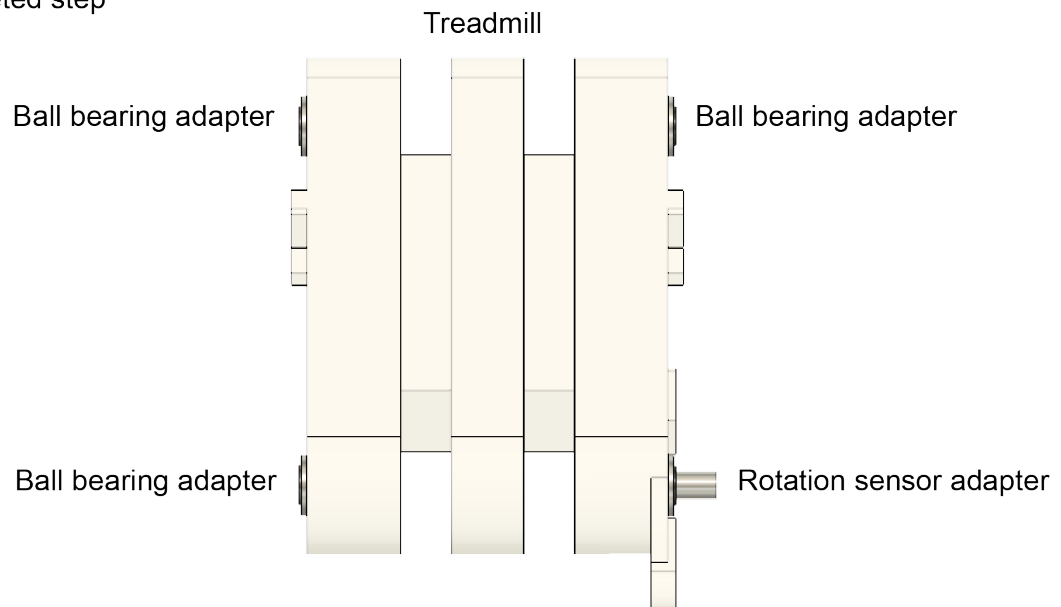


1. Make sure to adjust the hole so the ball bearing fits tightly.

Insert ball bearing adapter

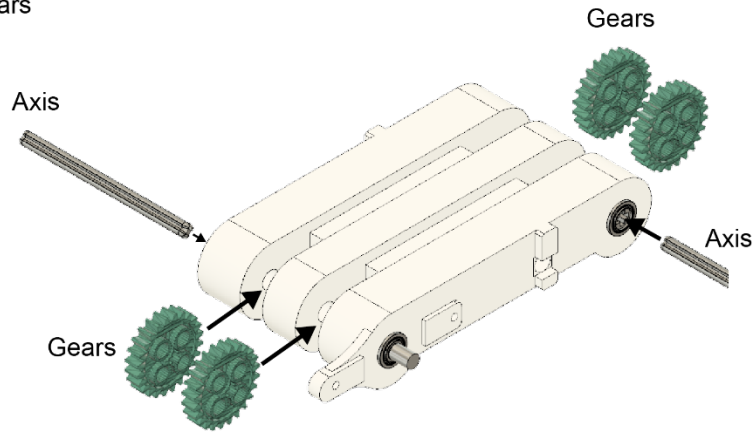


Completed step

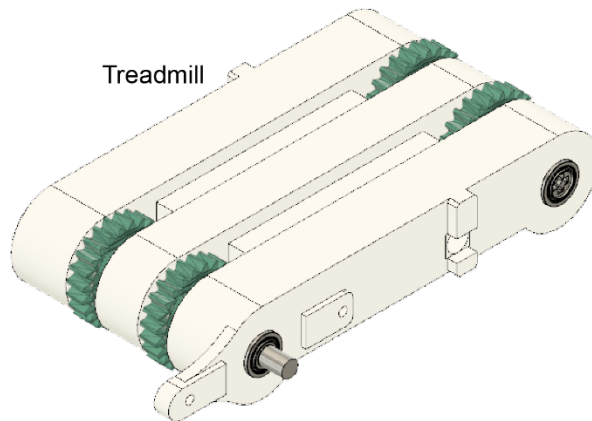


1. Make sure to adjust the outer diameter of the adapters so it fits inside the ball bearing tightly.
2. Make sure to adjust the 'x hole' of the adapter so the Lego axis can fit tightly.

Insert axis, gears



Completed step



Completed step
(transparent treadmill)

