

Parametric Gravity Tape Dispenser

 megalog_

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Summary

This Parametric Tape Dispenser can be customized in under 1 minute.

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Tags: [gravity](#) [tapeholder](#) [parametric](#) [tapedispenser](#) [tape](#)

stl. for a roll of tape with the dimensions

- inner diameter: 26 mm
- outer diameter: 43 mm
- thickness: 16 mm

Parametric Gravity Tape Dispenser

What is parametric design?

In parametric design, parameters are defined. These can be changed very easily afterwards. For example, personalized models are very easy to create.

The **Fusion 360** program is required for customization. (It is free for hobby users and

1. Open the .f3d file in Fusion. Then go to SOLID > MODIFY > Change Parameters

2. Three parameters must be changed.

- edge_length = tape outer diameter
- inner_diameter = tape inner diameter
- body_height = tape thickness

Attention: Adjust only the values marked in yellow here, the values behind the

Instruction :

Only 4 steps.

3. Select the Chamfer tool:



The **Fusion 360** program is required for customization

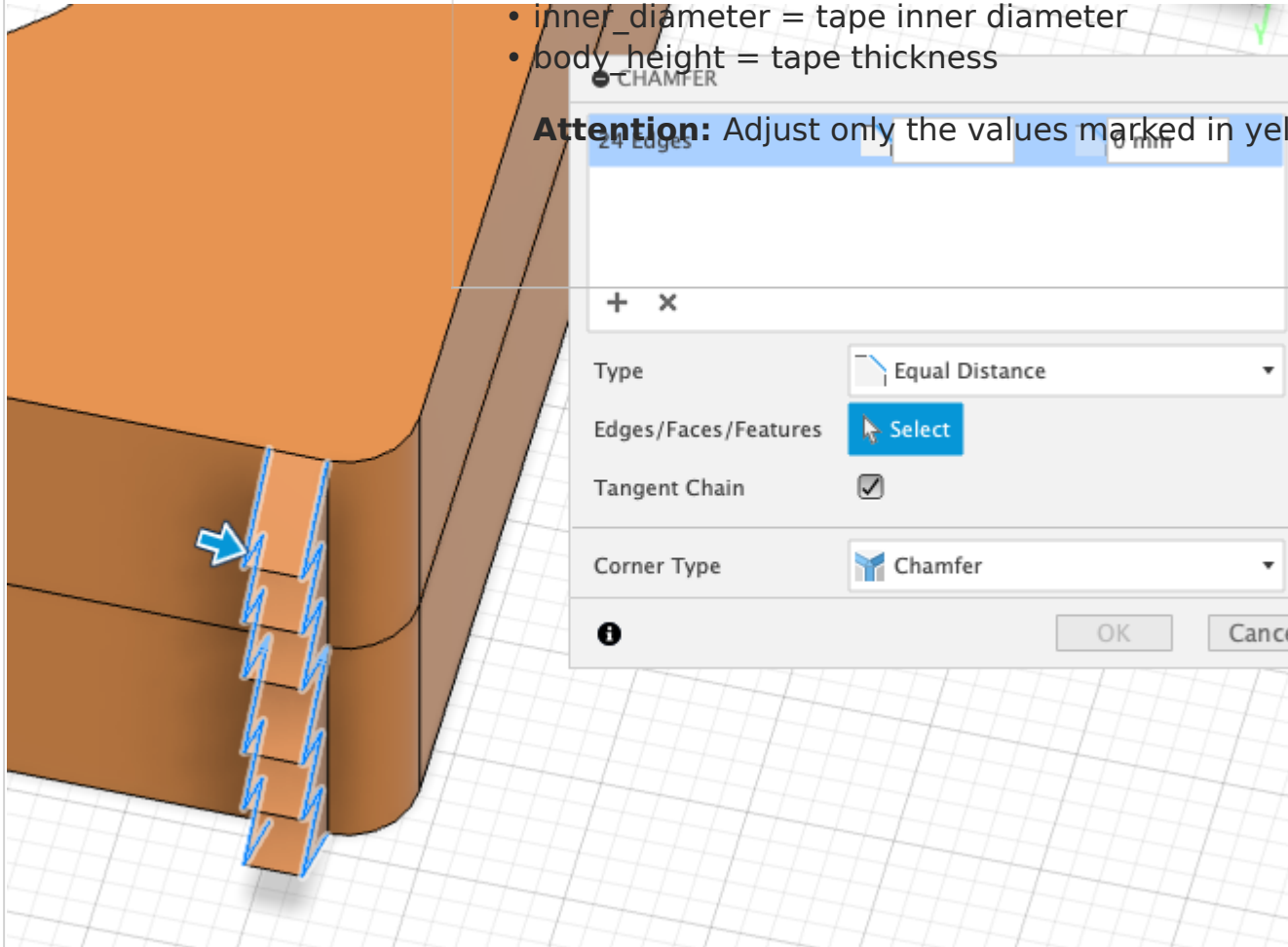
1. Open the .f3d file in Fusion. Then go to SOLID >

2. Three parameters must be changed.

3.1 Select all the edges (as highlighted here),

- edge_length = tape outer diameter
- inner_diameter = tape inner diameter
- body_height = tape thickness

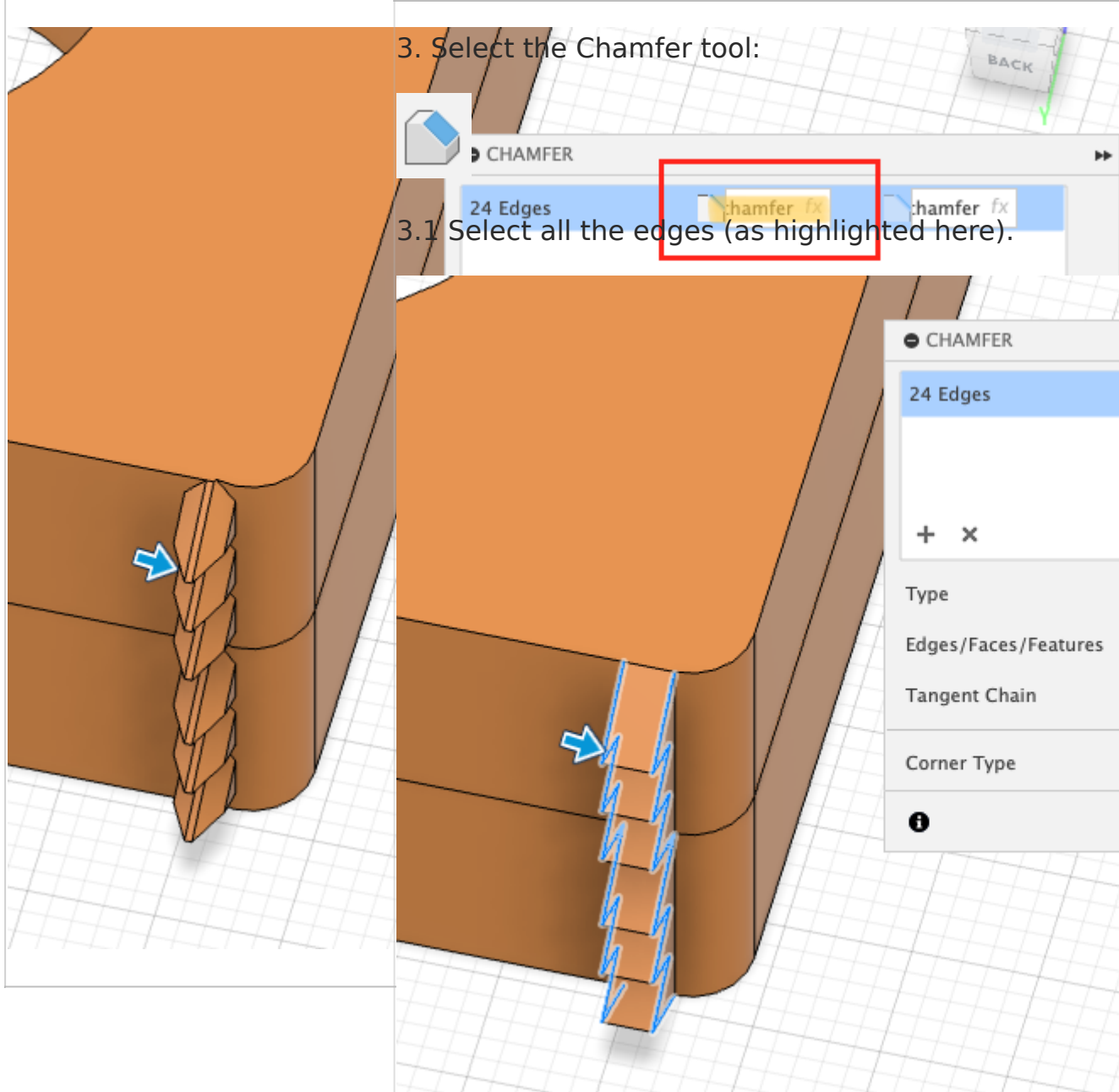
Attention: Adjust only the values marked in yellow



3.2 Enter traingle_chamfer as the value.

Printing Instructions:

3. Select the Chamfer tool:

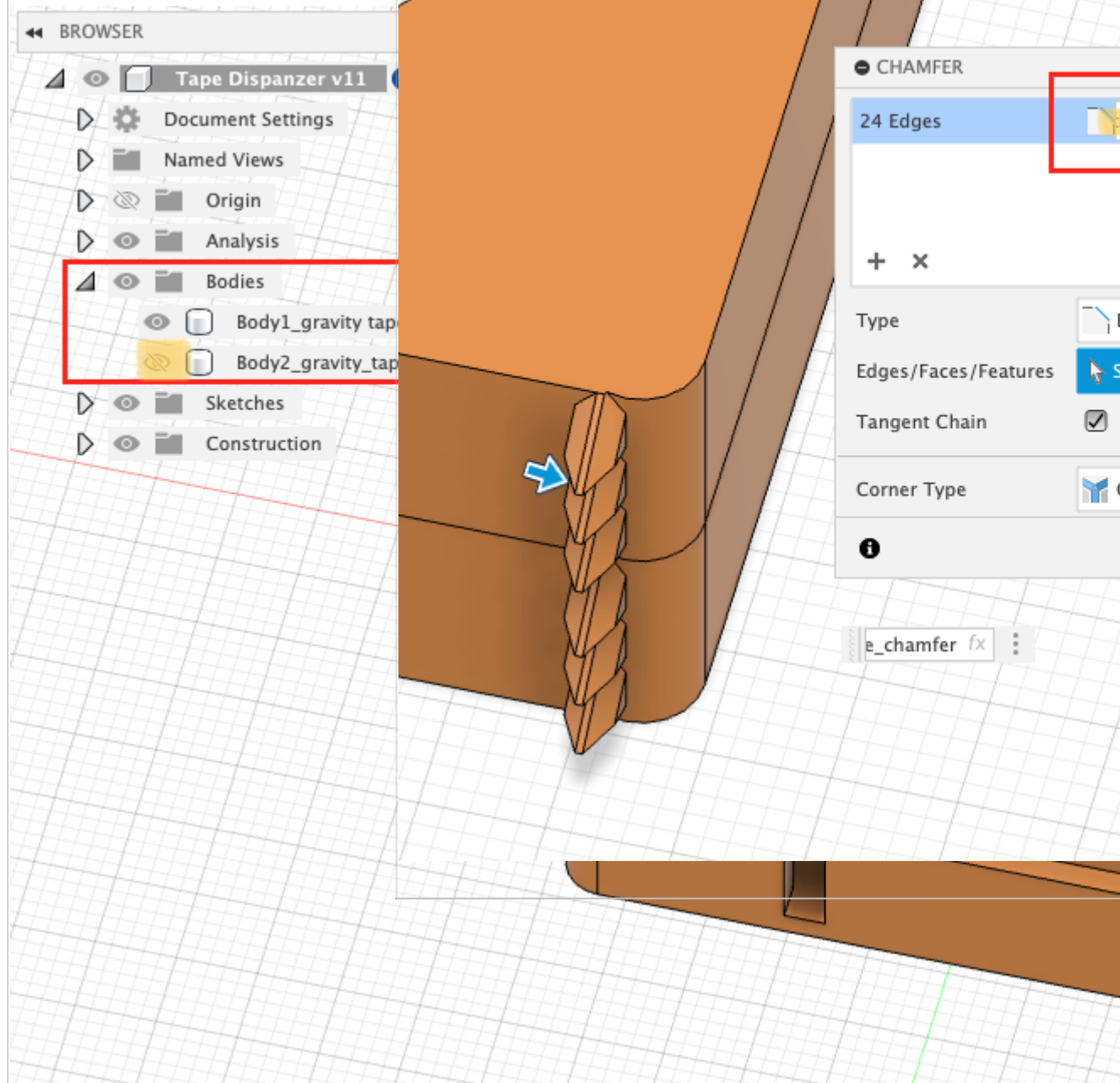


3.1 Select all the edges (as highlighted here).

3.2 Enter traingle_chamfer as the value.

Turn all parts to the large side in the slicer.

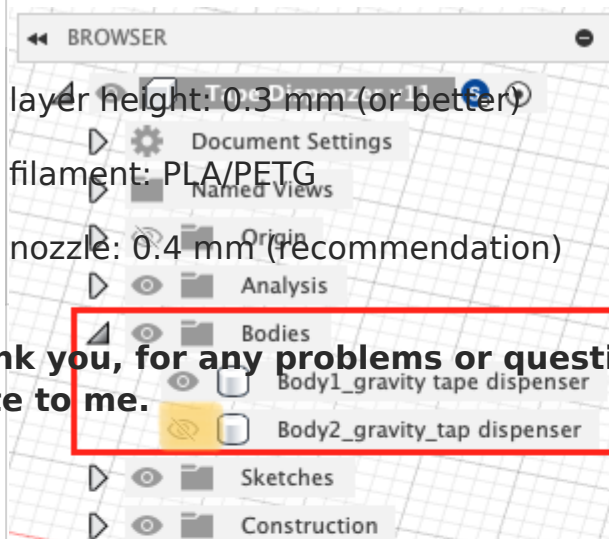
4. Export both parts one by one



Super that was everything.

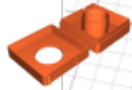
Settings:

4. Export both parts one by one, always turn one off:



**Thank you, for any problems or questions.
Write to me.**

Model files



stl_gravity_tape-dispenser.stl



parametric-gravity-tape-dispenser.f3d

☐ Fusion 360

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