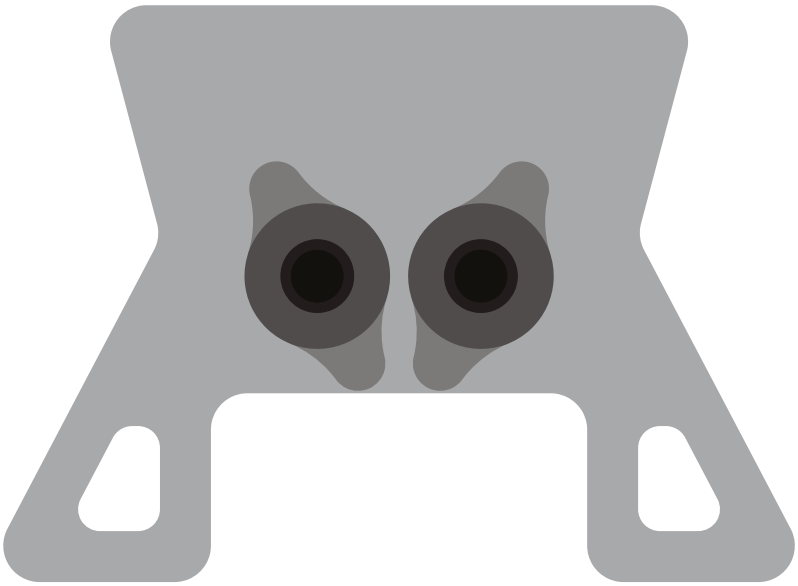
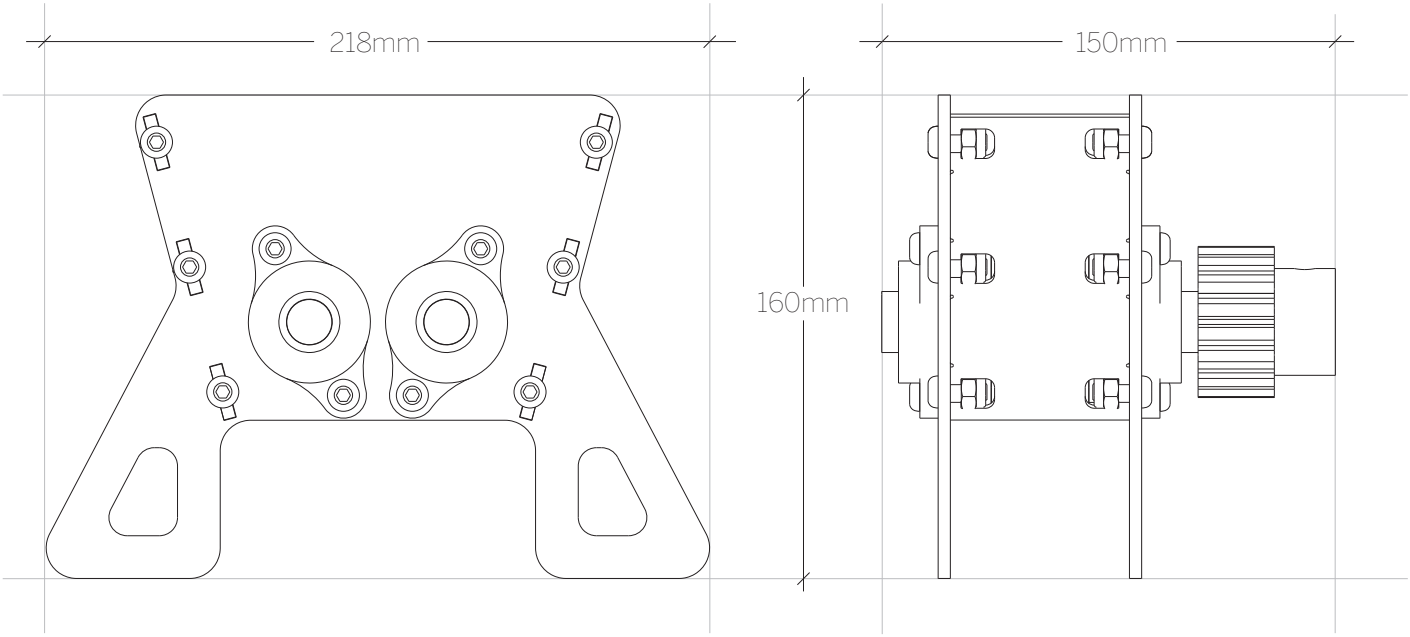
# Felfil

## mini shredder






Thank you and congratulation for choosing the Felfil Mini Shredder.

Felfil Mini Shredder is a small shredder, suitable for shredding plastic waste or wrong 3D prints.

This guide was written to ensure a good experience with the Felfil Mini Shredder, please read this manual carefully in all its parts before using the device.

| | |
|---|---|
| material | Stainless Steel |
| blades | 14 |
| weight | 4,4Kg |

## ! Avvertenze

Felfil S.r.l. assumes no responsibility for losses, injuries, damage to property or persons orexpenses deriving from and/or connected with the assembly process, handling, storage failure, improper use or disposal of the product.

Any type of modification will be at your risk, and will void the warranty. Felfil S.r.l. it is not assumed liability for damage to people or things caused by improper use of the Felfil Mini Shredder.

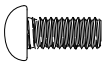
Do not use the mini shredder if any of its parts are damaged. If you notice any that damage the unit, do not use the product and contact the Felifl team for support.

Remember to keep Felfil Mini Shredder out of the reach of children and use the productalways with adult supervision.

Felfil Mini Shredder was used for shredding plastics. Do not use it with others materials.

Do not touch the minishredder when the blades are moving.

8X TCE **M6**x10

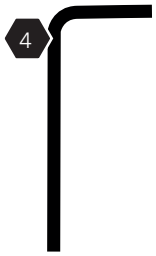


12X TCE **M6**x16

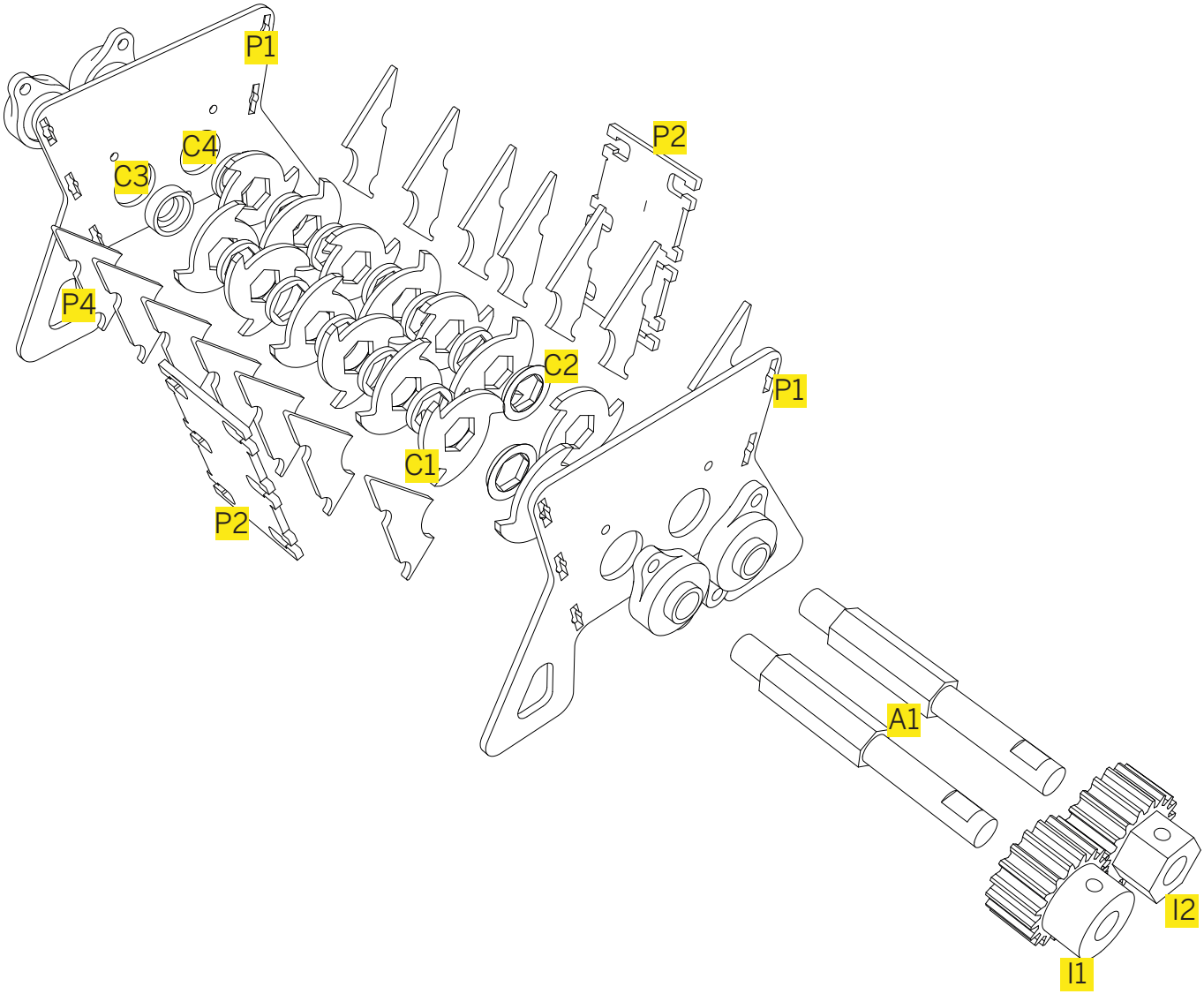
12X NYLOC NUT **M6**

2X VCE **M8**x8

Those are the tools you will need in order to assemble your Felfil Mini Shredder. Tools are not included in the package




hex wrench 4


P1
C4
C3
P2
P4
C2
P1
C1
P2
A1
I2
I1

Tools

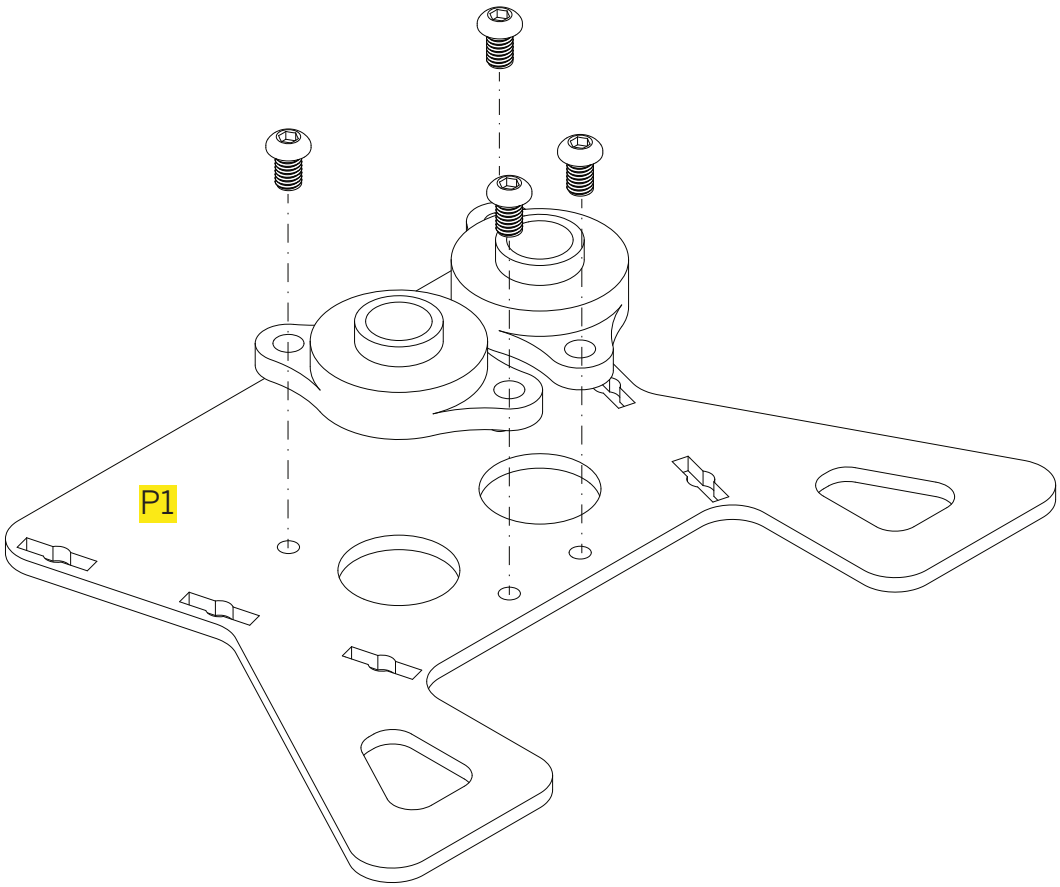
Small parts

8X **TCE M6x10**

Fix 2 flanged bearings on Main Wall **P1**, using 4 **TCE M6x10** screws

Perform the same operation also on the other Main Wall **P1**.

Turn the screws but do not tighten them. Tightening will take place at the end of assembly.



Tools

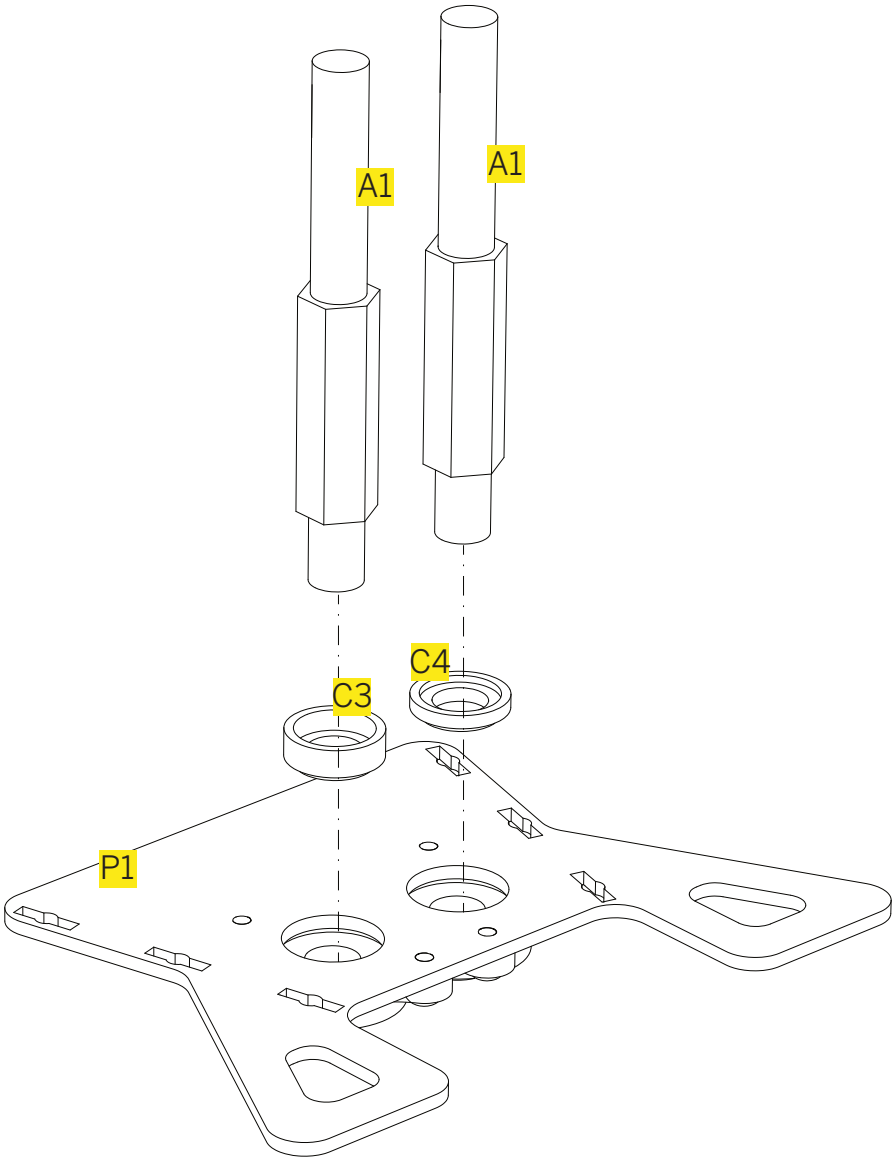
Small parts

Take one of the Main Wall **P1** and rotate it on the axis perpendicular to the bearings

Insert a Hex Axle **A1**, with **C3**, into the left bearing.

Insert a Hex Axle **A1**, with **C4**, into the right bearing.

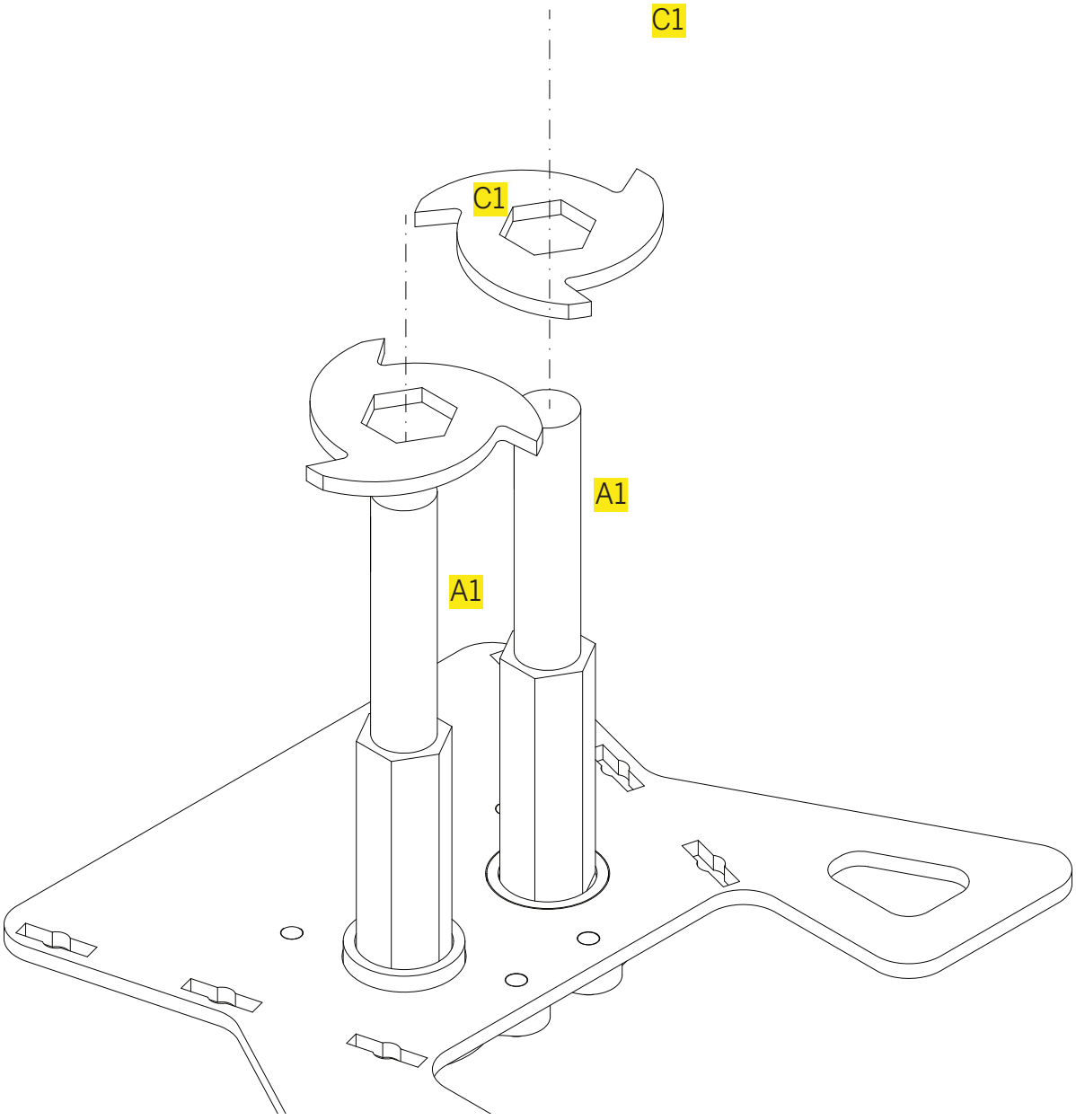
Pay attention to the arrangement of the two aluminum spacers, they are not interchangeable.



Tools

Small parts

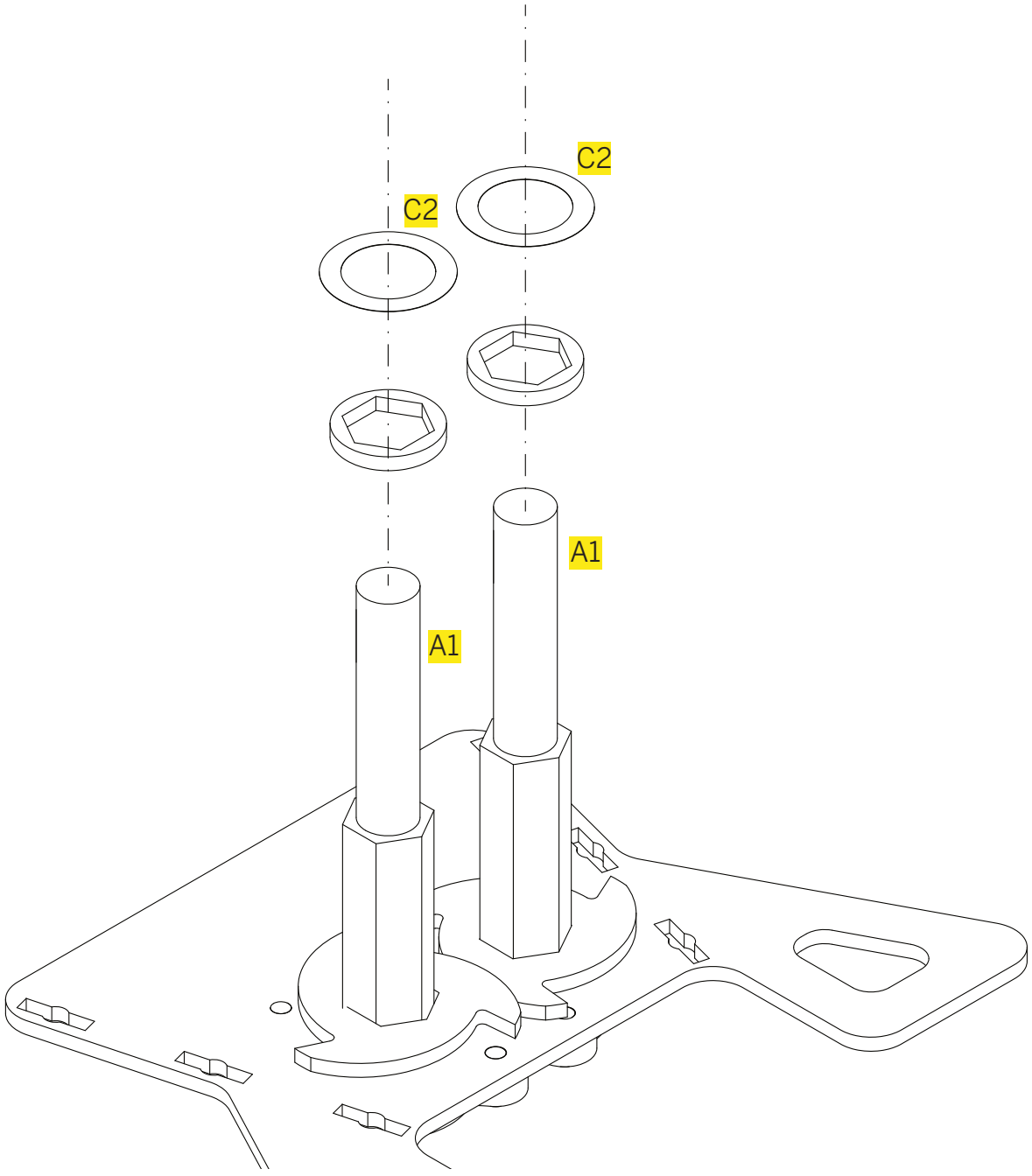
- Insert a C1 Blade into the right **A1** Hex Axis, then insert a **C1** Blade in the left Hexagonal Axis **A1**,
- Insert the mirrored blades: the "hook" of each blade must point inwards, as in figure below.



Tools

Small parts

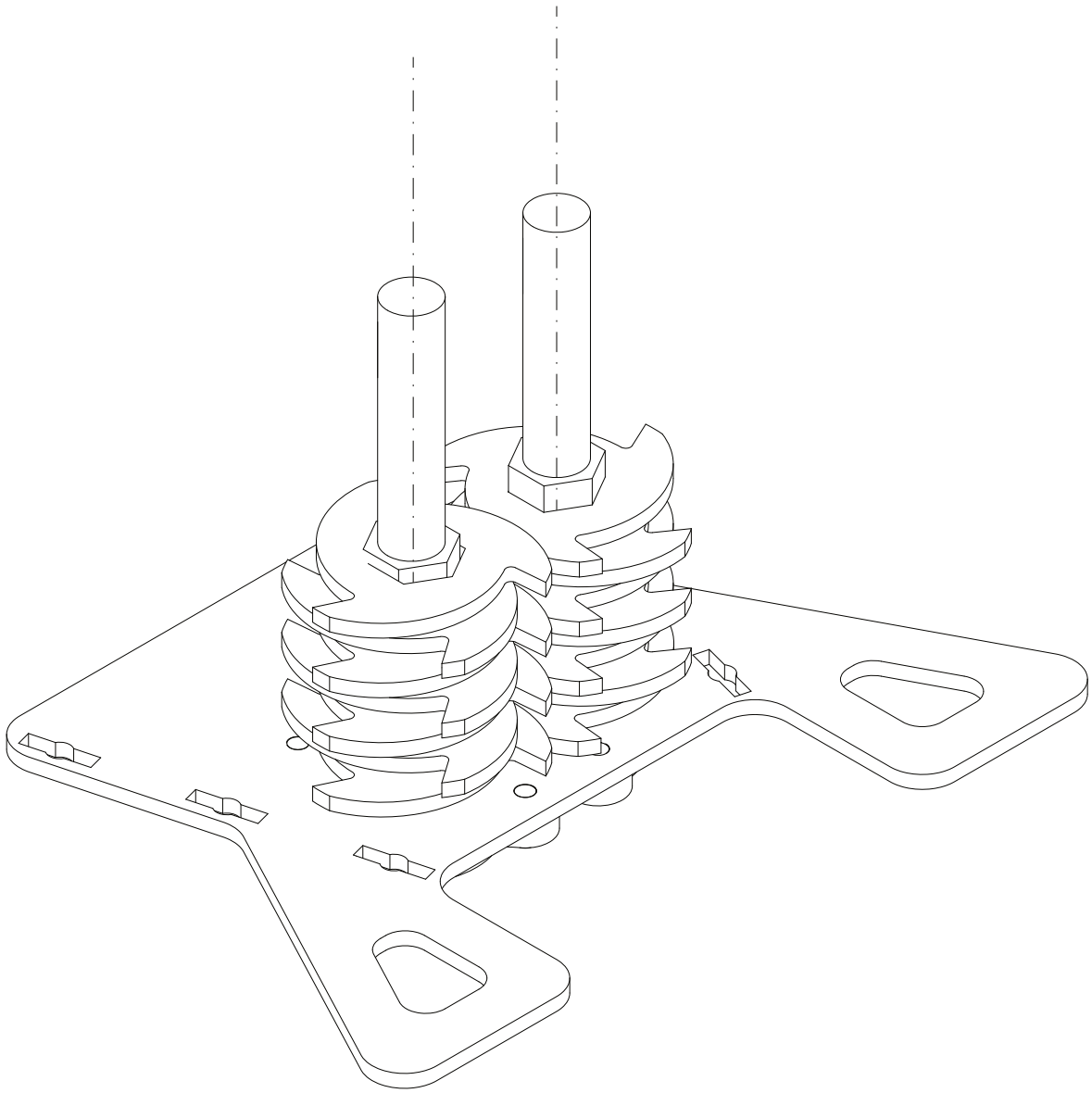
- Insert a Blade Spacer **C2** for each Hex Axle **A1**
- Insert a 22x30x0.1 spacer for each **A1** hexagonal axis



Tools

Small parts

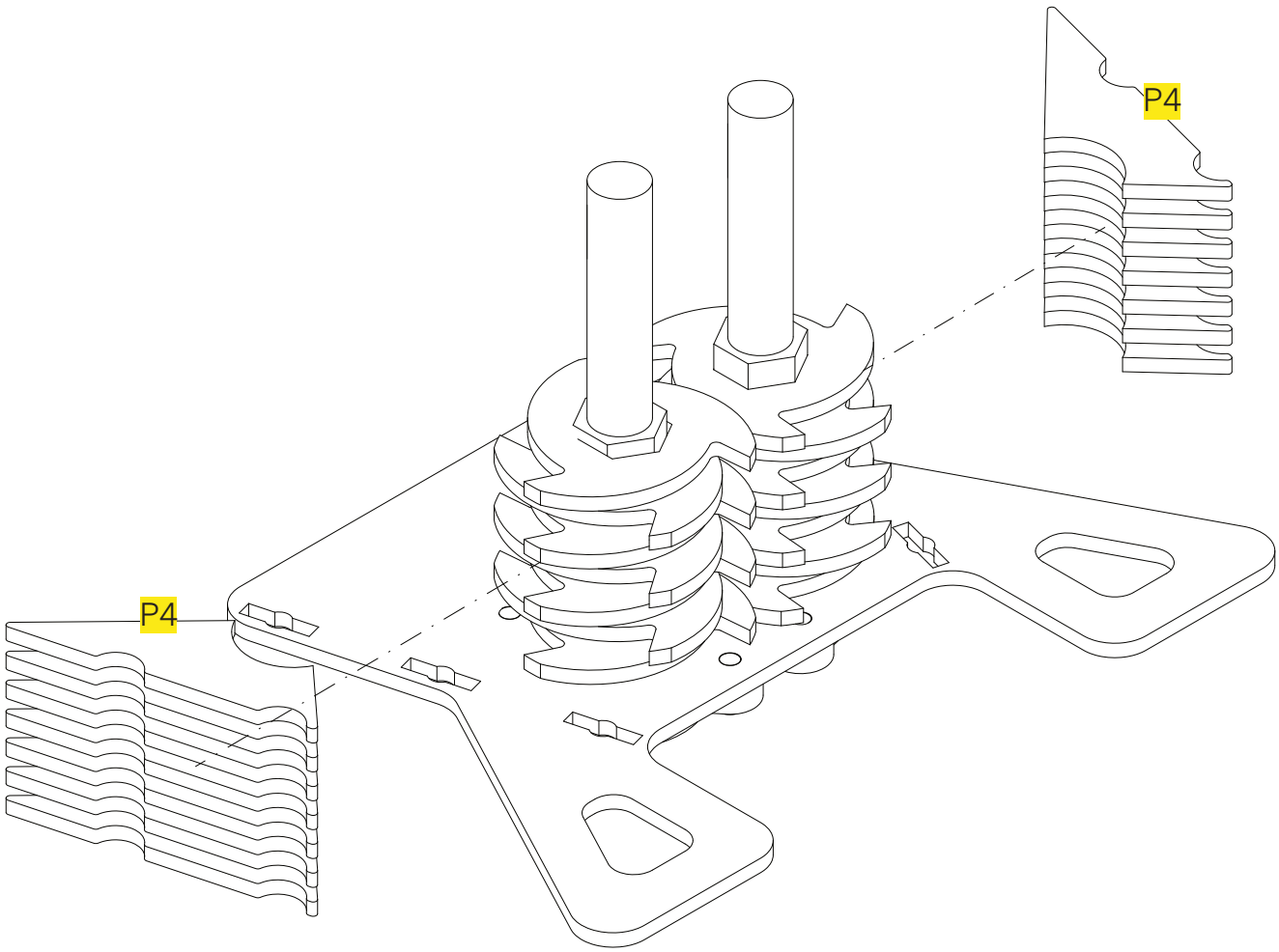
- Repeat the previous steps, in the same sequence, until all the Blade is finished **C1** and the Blade Spacers **C2**.
- Every time you insert a **C1** Blade make sure it is rotated 60° with respect to the previous, as in the figure below.



Tools

Small parts

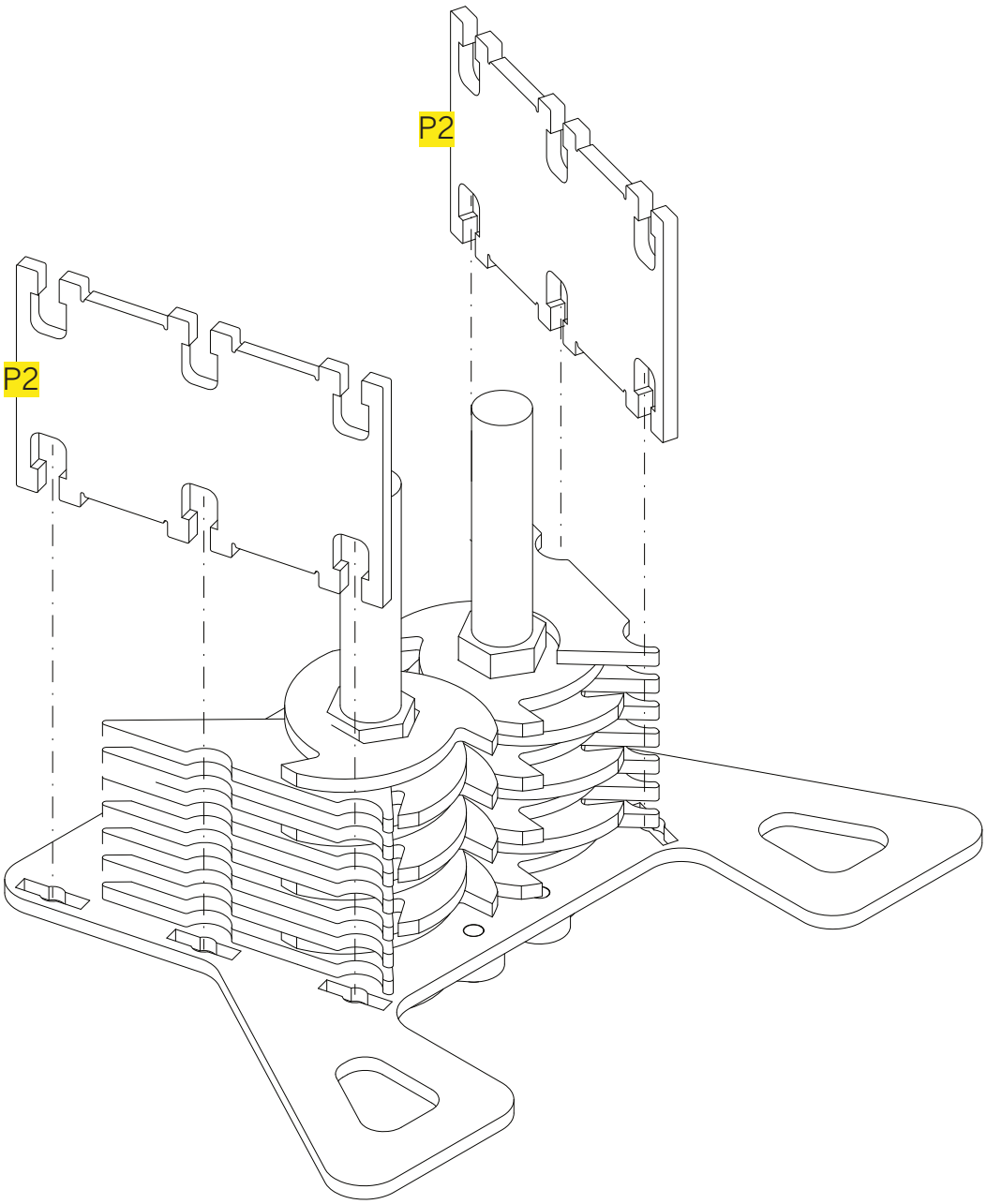
- Insert 7X Vertical Counterwalls **P4** to the left of the left axis
- Insert 7X Vertical Counterwalls **P4** to the right of the right axis
- Try to insert the **P4** Vertical Counterwalls parallel to each other
- Insert the **P4** Vertical Counter-Walls in sequence with the C1 Blades



Tools

Small parts

- Insert 2X Side Walls **P2** into the slots of the Main Wall **P1**
- The correct positioning of **P2** Side Walls will align the Counter-Walls Verticals **P4**.
- Make sure to insert the **P2** Side Walls fully into the slots.



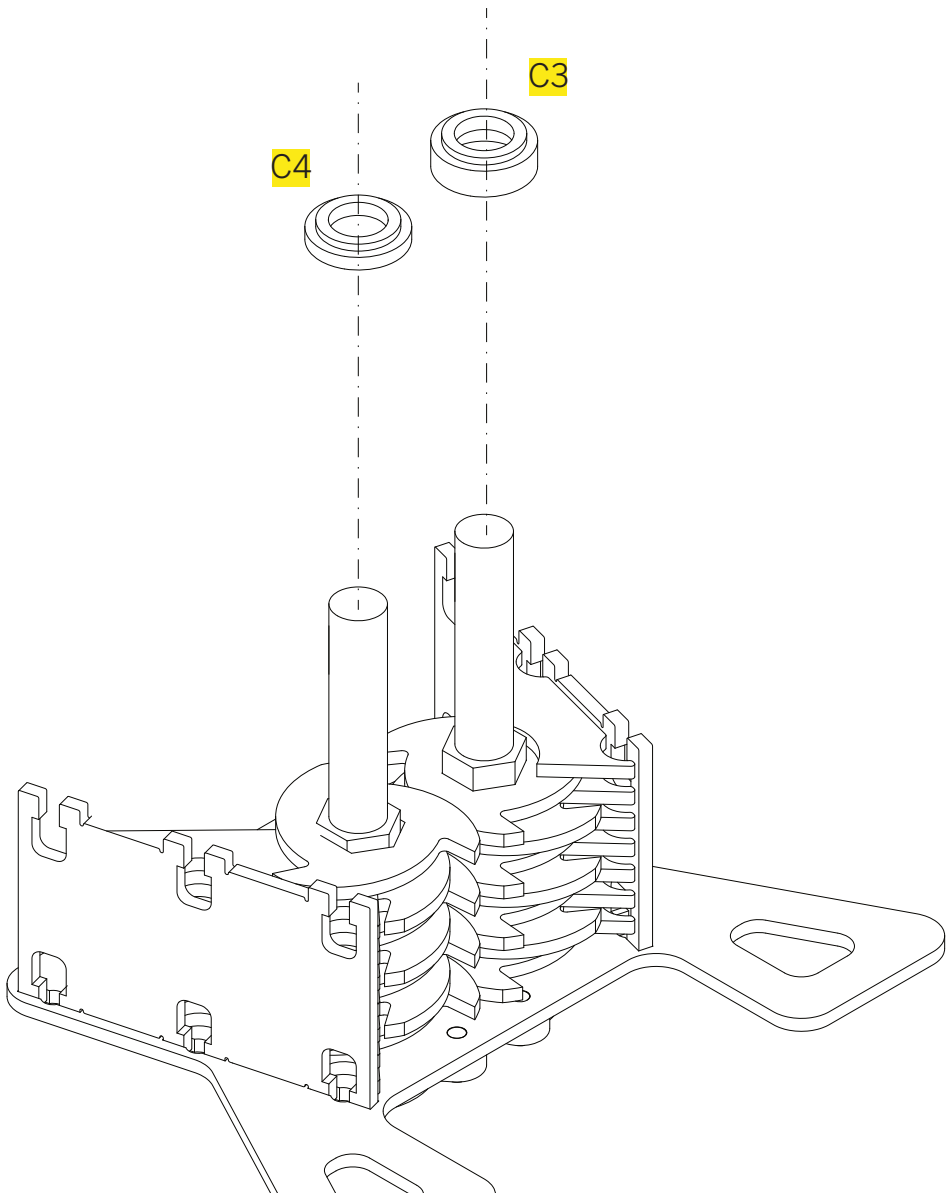
Tools

Small parts

Insert a Short Bearing Spacer **C4** into the left Hex Axle **A1**.

Insert a Long Bearing Spacer **C3** into the right Hex Axle **A1**.

Pay attention to the direction of the spacers.

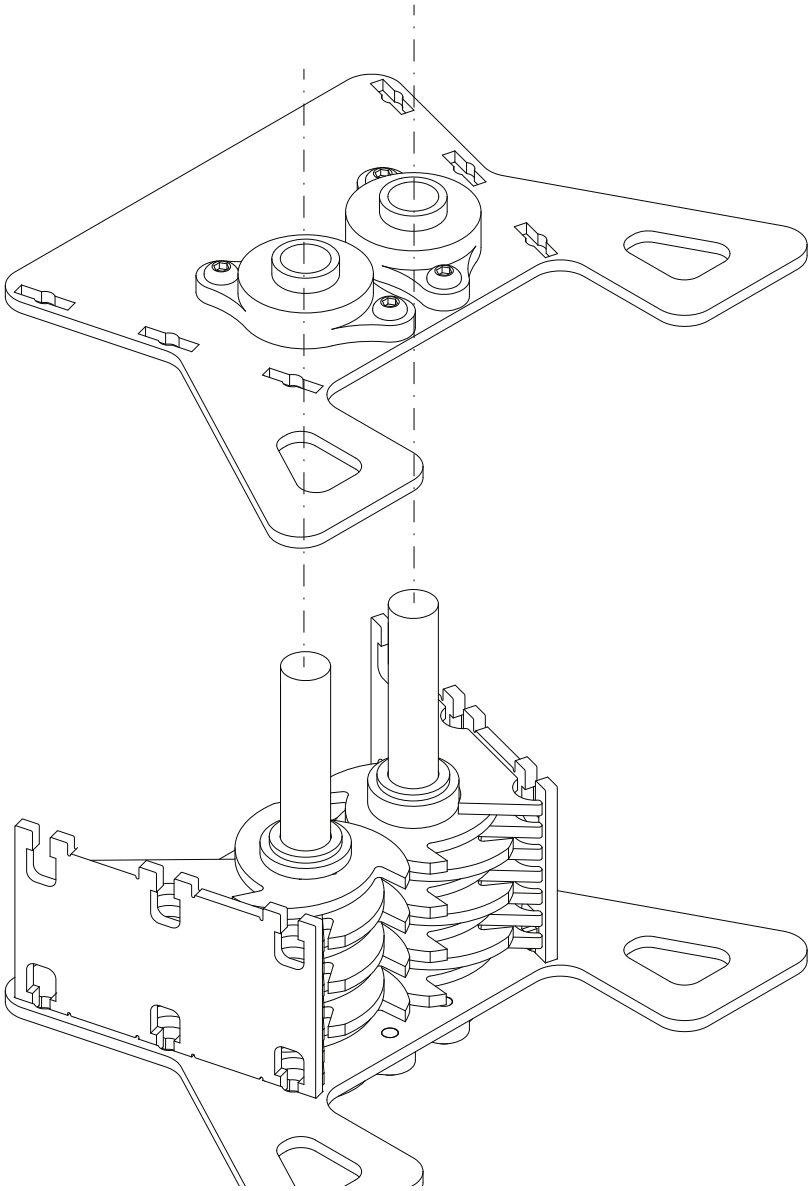


Tools

Small parts

Insert the Main Wall **P1**, prepared in Assembly #1, matching the **P2** Side Wall slots and **A1** Hexagonal Axis with flanged bearings.

Make sure to insert the **P2** Side Walls well into the slots.



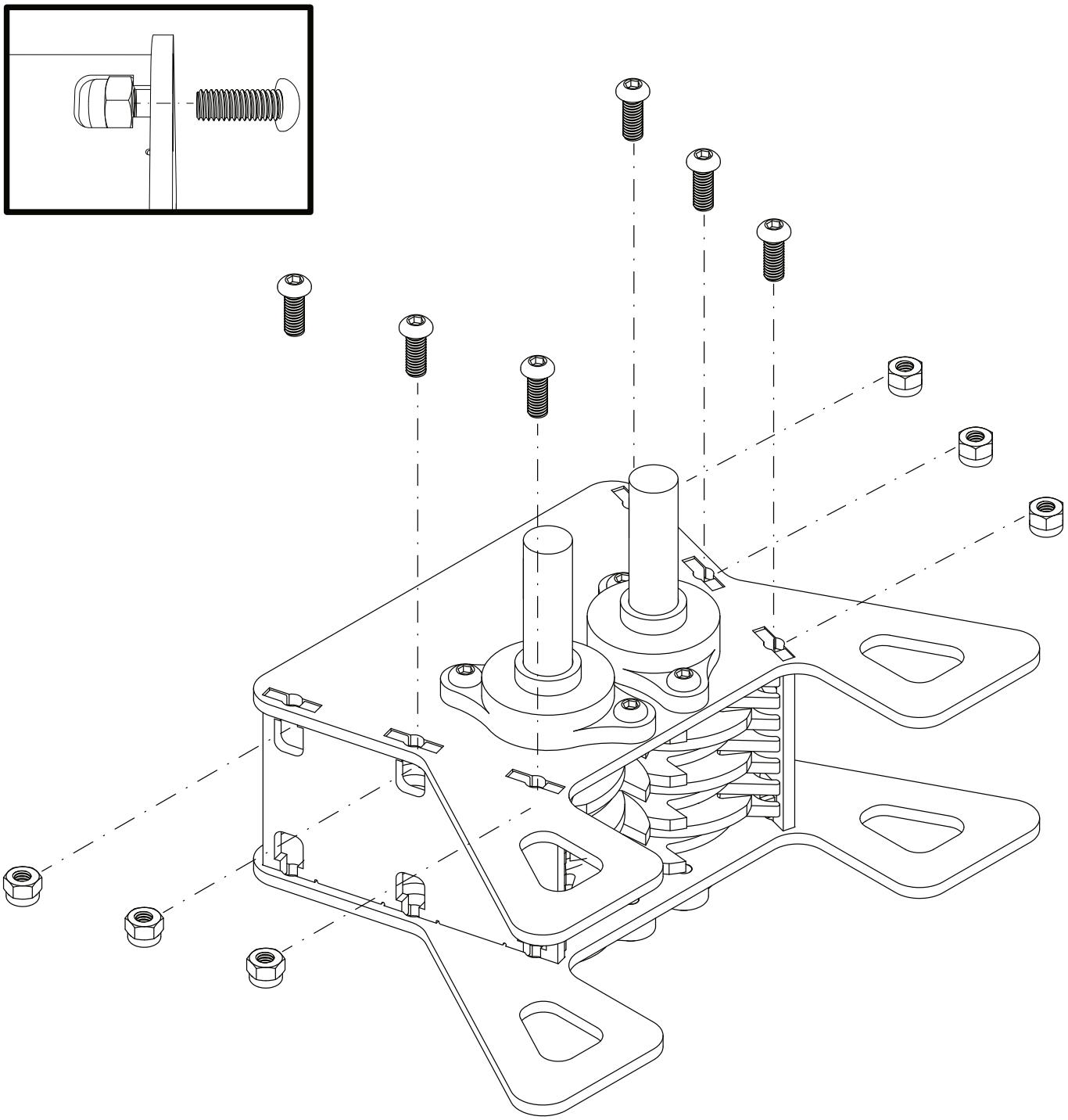
Tools

Small parts

6X **TCE M6x10**

6X **NYLOC NUT M6**

Screw the 6X **TCE M6x10** with the 6X **NYLOC NUT M6** making sure to lock the nuts in the sections of Side Walls **P2**

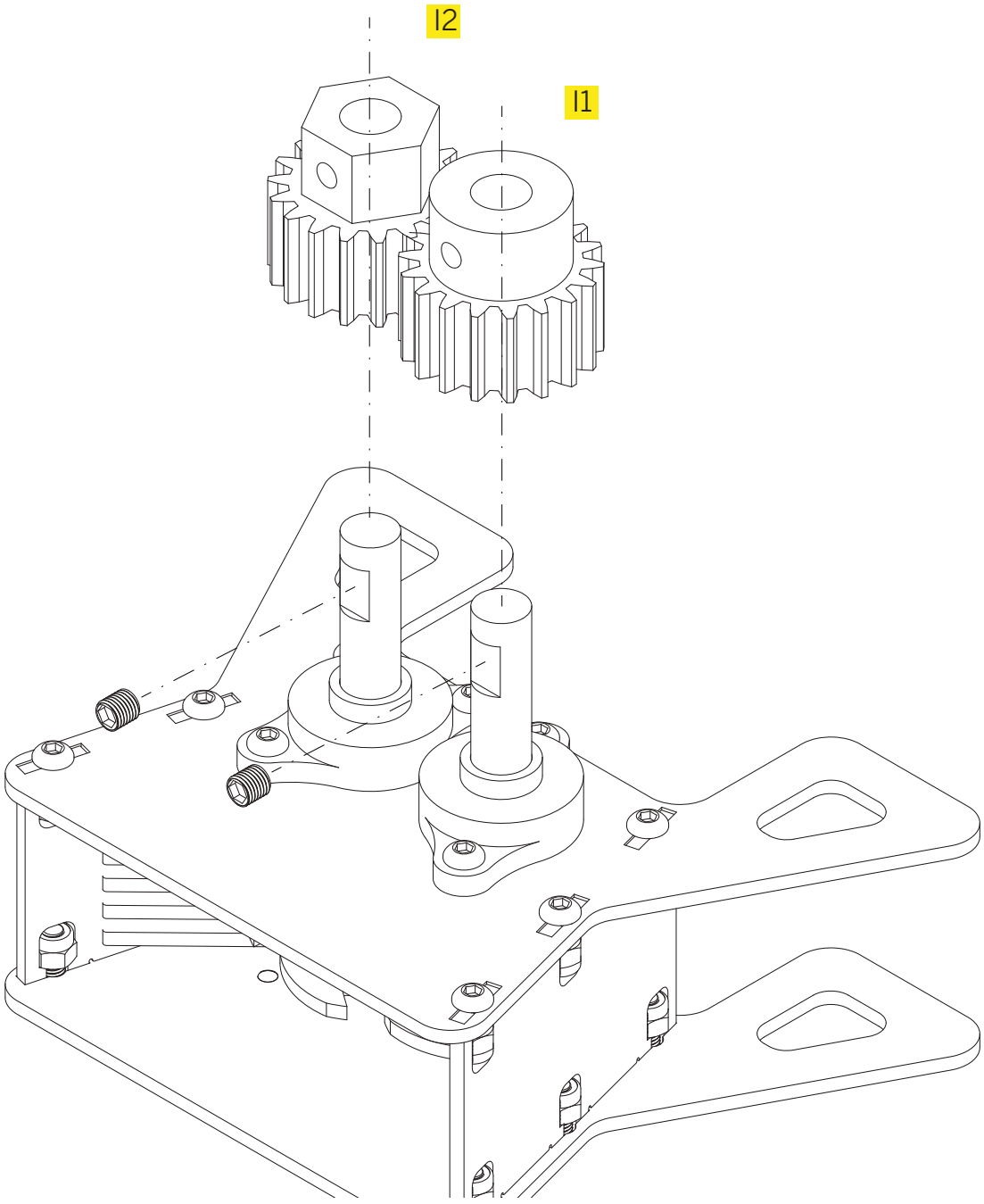


Tools

Small parts

2X VCE **M8**x8

- Insert gear **I1** and gear **I2** into the two hexagonal axis A1, blocking their movement with 2X **VCE M8x8**
- Be sure to screw the set screws onto the flat side of Hex Axle **A1**



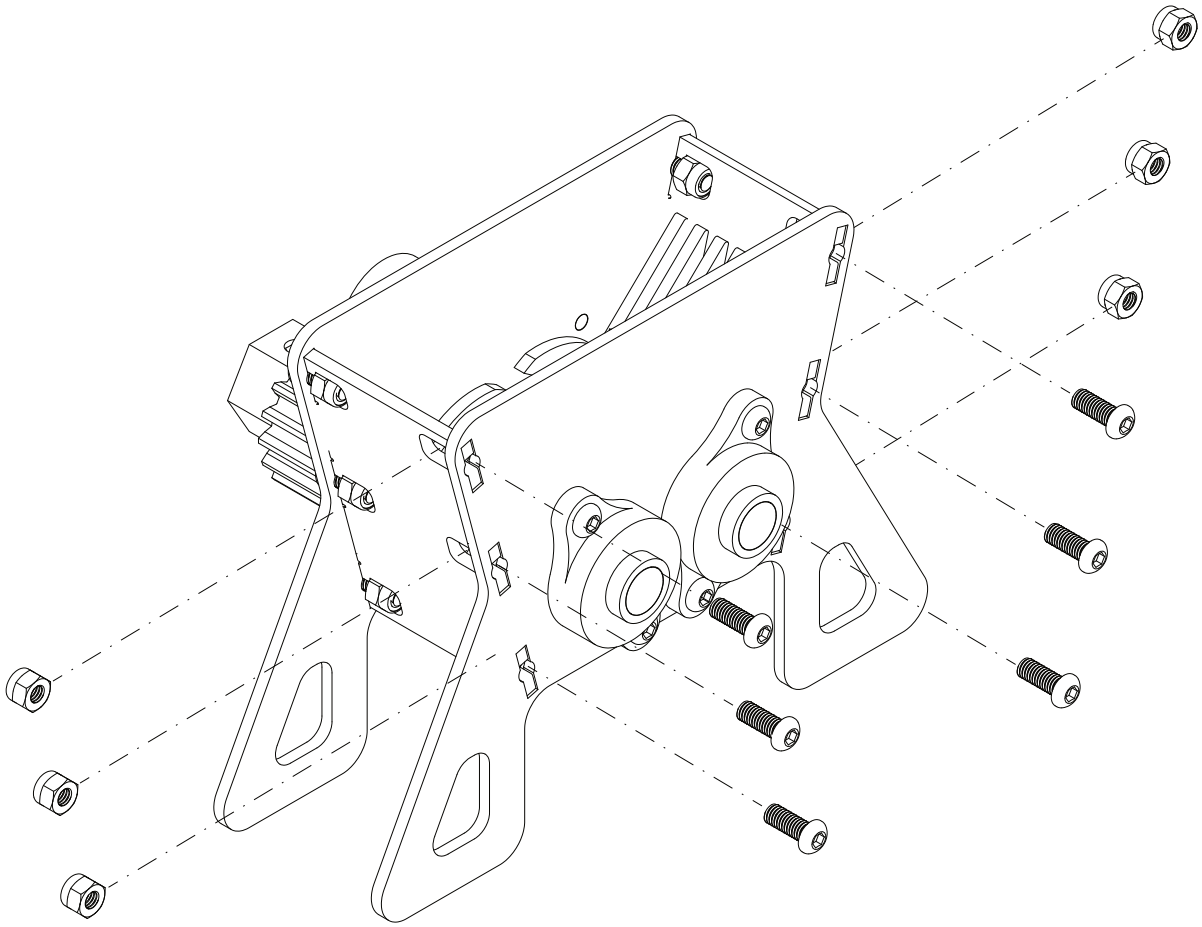
Tools

Small parts

6X **TCE M6x10**

6X **NYLOC NUT M6**

Rotate the shredder (taking care that the components do not open) and carry out carry out the same operations as in step 10.

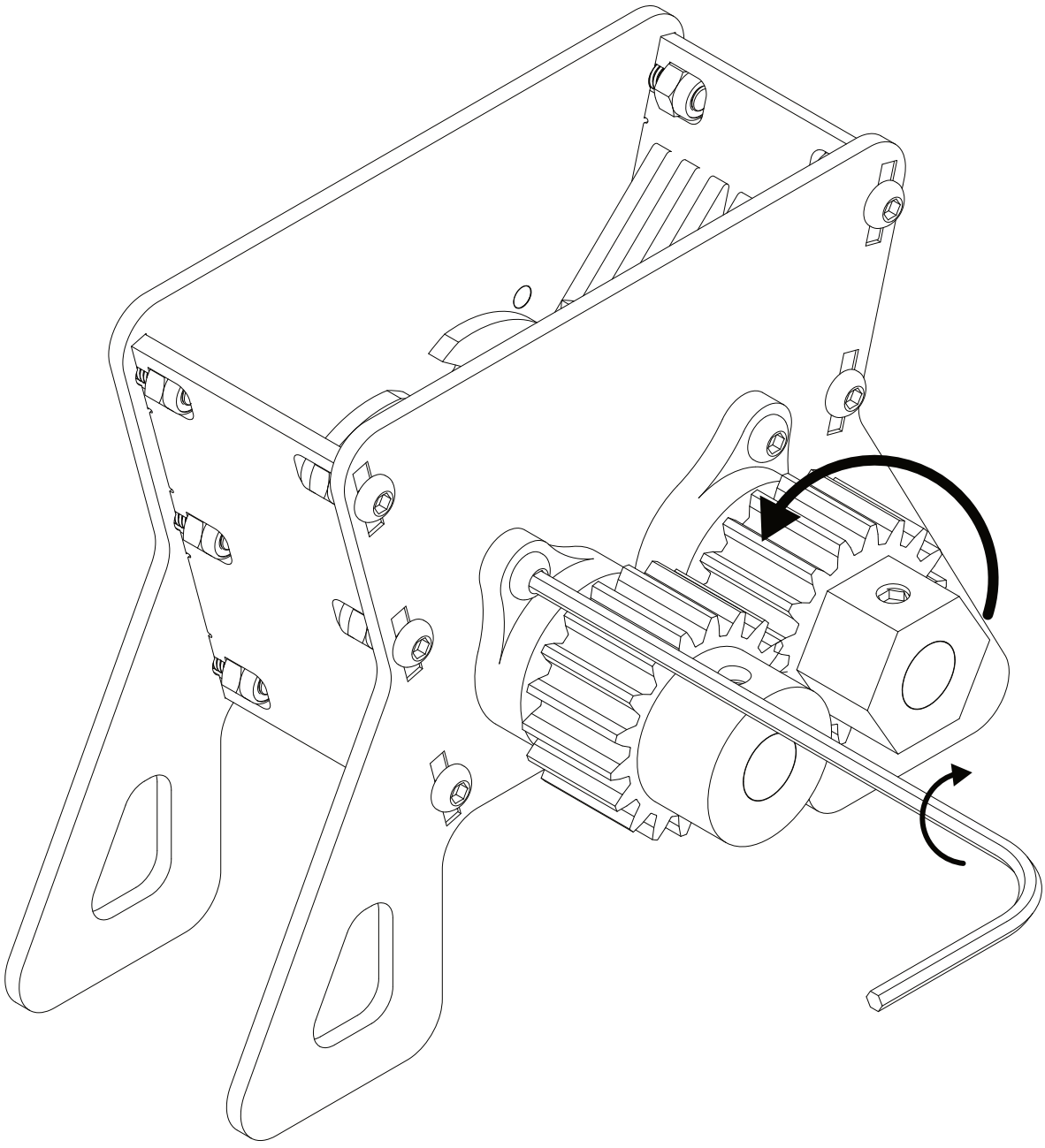


Tools

Small parts

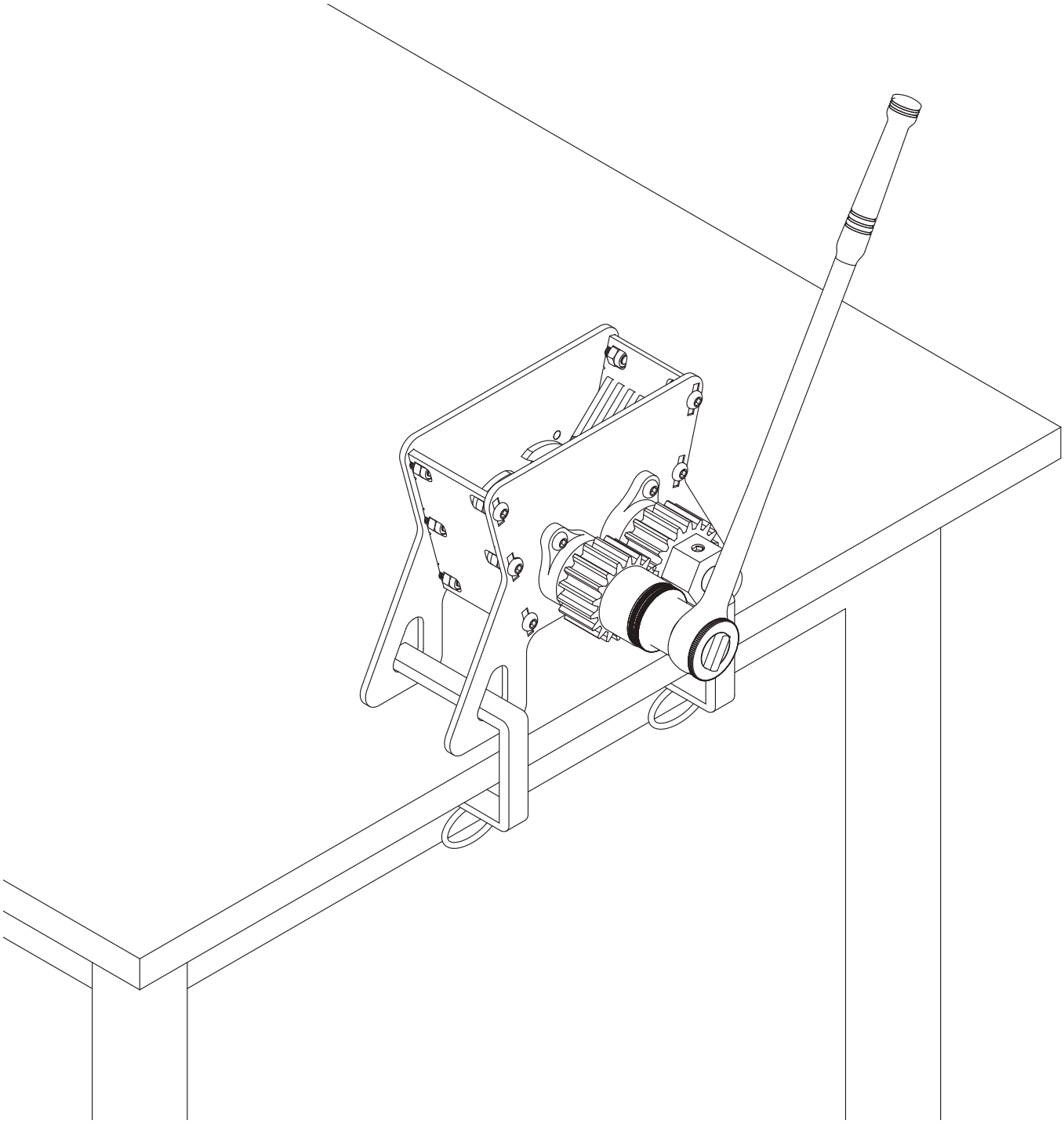
Screw all 4 **M6x10 TCE** screws one by one while rotating the two Ins by hand grains **I1** and **I2**.

A good assembly allows you to rotate the two Gears **I1** and **I2** by hand, without having to do too much effort, with the flanged bearings perfectly tightened.



In order to work at its best and to allow the user to interact optimally, Felfil Mini Shredder has been designed to work on the edge of a common standard height table.

We recommend securing the shredder to the table with common screw vices. The Gear **I2** mounts a common socket size 30. We recommend using this socket to use a wrench at least 50cm long, to minimize the force required when shredding.



**Contacts:**

Felfil s.r.l.
VAT number: 11482100010
Via Sant'Ambrogio 28, 10139 Torino, Italy
support@felfil.com

Please be sure to download always the latest version of this manual from: felfil.com
Manual revision: 1.0 Data ultima revisione: Maggio 2023