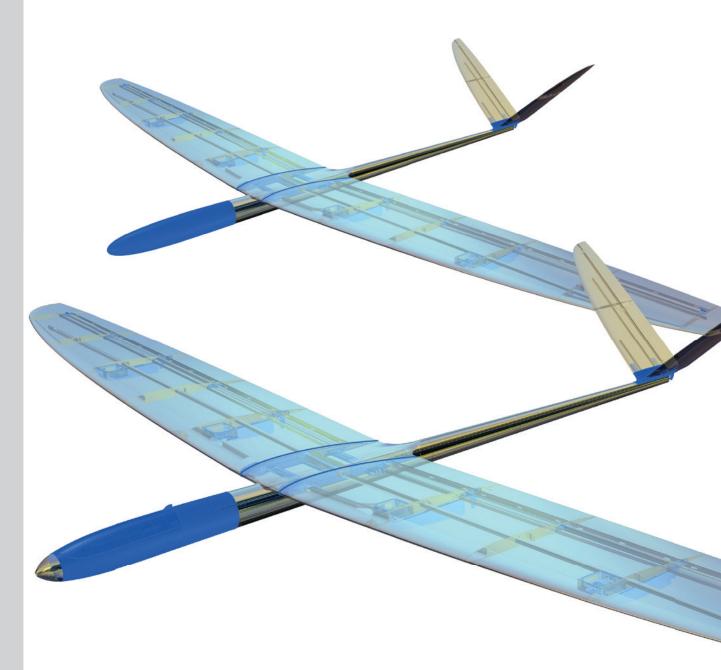
# PLANE PRINT



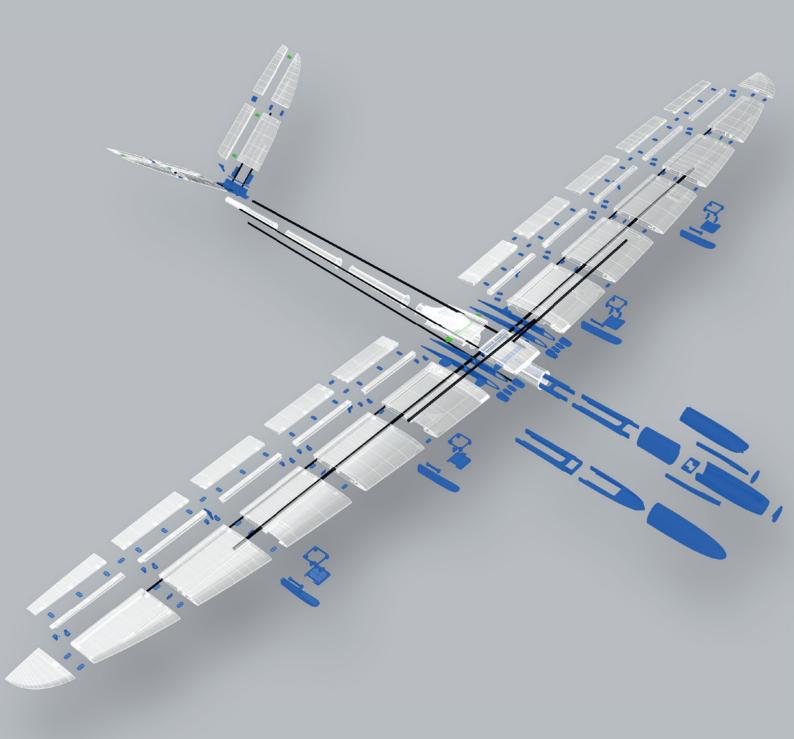
# **AERON**

High-performance motor and glider version





# PARAERON







### Required accessoires

### **Filament**

- LW-PLA (cannot be replaced by PLA!), ~800 grams
- PLA oder better Tough PLA, ~300 grams
- **TPU A95**, ~10 grams

### **Materials**

- some tapping screws (search for: M2 flat head tapping screw assortment)
- CA super glue (liquid and liquid medium)
- CA activator
- Carbon tube Ø8mm\*1000mm (inside 6mm), 2 pieces
- Carbon rod Ø6\*1000mm, 1 piece
- Carbon fiber strips (flat profile) 1\*5\*1000mm, 6 pieces
- Steel wire Ø0.8\*1000mm, 3 pieces (Ø1mm is also possible)
- Rod connection, 6 pieces
- Servo cable and soldering accessories
- MPX Connector, 2 pairs
- Self-adhesive Velcro tape
- Some lead (about 150 grams for the glider version)

### **Tools**

Cutter knife, small Philips screwdriver, Sandpaper, Metal saw, Needle nose pliers, Soldering tool







MPX Connector





### **RC Components**

#### ENGINE

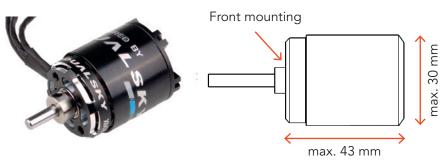
#### DUALSKY XMotor XM2838EG-11 GLIDER 1100 K/V Brushless Motor

or comparable motors.

You can also use any other motor variant!

NOTE The larger the prop the hotter the engine! Always remember that the motor is mounted directly on PLA and use it only for short climbs. Or use a slightly smaller prop.

Check in the beginning how hot your motor is after the flight!



The motor can also be longer, but check whether there is still enough space for the controller and battery.

FOLDING PROP 11x6 (We recommend a Ø40 mm spinner with cooling function)

BEC-CONTROLLER 50 A (must fit the engine!)

RECEIVER

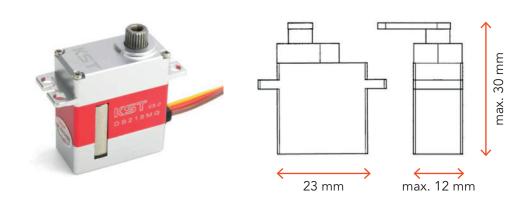
7 Channel

**BATTERY** 

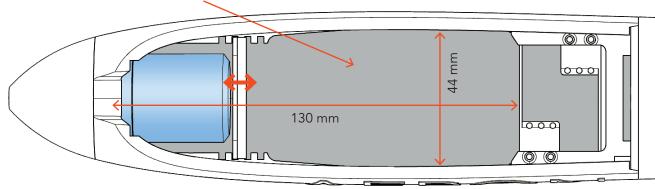
3S Lipo, 1000 MaH (The battery should have a weight of 90 grams)

SERVOS

6 pieces like KST DS215 V3 MG Digital HV or comparable Dimensions (The optimal distance between screws is 28 mm):



Space for controller and battery



### Printing the parts – Printing profiles

This manual is constantly being improved and supplemented, we recommend downloading the **latest version** from our website **before building**.

For slicing all Planeprint models, these profiles have to be created in Cura:

PROFILE P1\_Fullbody
PROFILE P2\_Hollowbody
PROFILE P3\_Surface (Not necessary for this plane)
PROFILE P4\_Flex
PROFILE P5\_Gyroid

You can find the description at www.planeprint.com/print

# Important for the 1-wall-print (P3, P5)!

In order to print airfoils of the lowest possible weight with high stability, it is necessary to print with only one wall line (Nozzle 0.4 mm). Decisive here is the adhesion between the layers! To achieve this, you must print at a much higher temperature than normal. As a **guideline**, 230° C is a good starting point. The parts-cooling fan should be set to 0% or a maximum of 20%. Since not every printer works the same, it may be necessary to make small adjustments to these settings.

For the new PROFILE P5\_Gyroid it is essential to use **Cura Version 5 or later**, It will work with older versions, but the weight of the parts will be higher and the printing time longer.

### PROFILE P5\_Gyroid

It is essential for the necessary stability of the LW parts printed with PROFILE\_5 are as stable as possible. Please use a test part to check the strength by fracture tests. It must not break along the layer lines under any circumstances! Also note that the printing temperature for LW-PLA is as low as possible to obtain a wall thickness of 0.4 to 0.6 mm at a flow of 60 to 70 % (depending on brand).

Caution: at too high temperatures, LW-PLA becomes brittle and breaks more easily.





The development of a complex, airworthy RC flight model to express on any standard 3D printer is a very complex and extensive process. Therefore, we appeal to your fairness not to forward the STL data you have acquired to third parties.

Thank you for your understanding and have fun with your PLANEPRINT MODEL!



The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Cowling\_ae.stl

MATERIAL PLA, Weight: ~ 16 g

#### ADDITIONAL SETTINGS

• Brim may be needed here

# P1\_Fairing Aileron\_ae and P1\_Fairing flap\_ae.stl

MATERIAL PLA, Weight: ~ 3 g

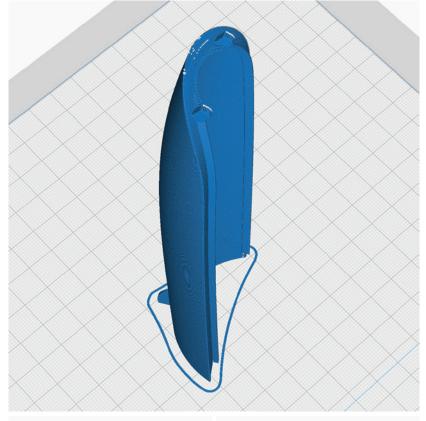
#### ADDITIONAL SETTINGS

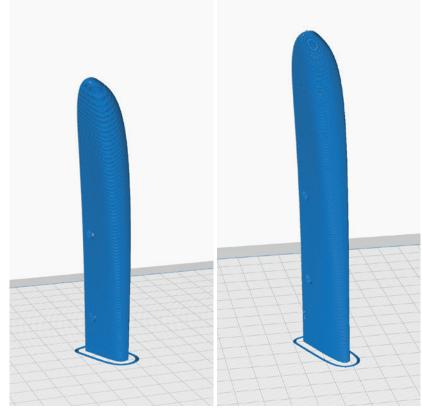
• Wall Line Count: 1

• Bottom Layers: 0

• Infill Density: 0 %

• prints two of both STL





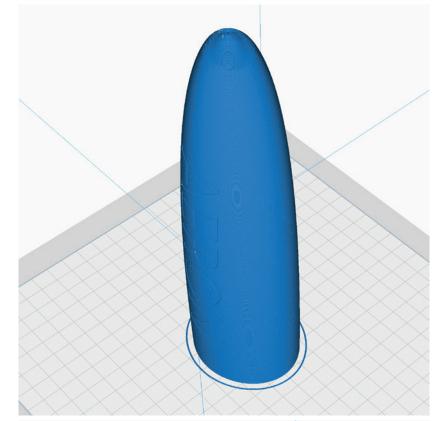
The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Fuselage 1 glider\_ae.stl

MATERIAL PLA, Weight: ~ 40 g

#### ADDITIONAL SETTINGS

This part is only needed if you want to print the **glider version**.

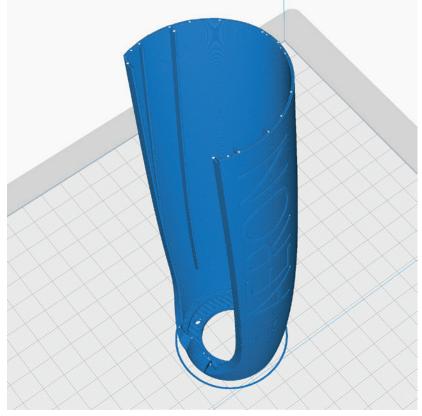


### P1\_Fuselage 1 motor\_ae.stl

MATERIAL PLA, Weight: ~ 30 g

#### ADDITIONAL SETTINGS

This part is only needed if you want to print the **motor version**.



The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

P1\_Fuselage 2\_ae.stl

MATERIAL PLA, Weight: ~ 24 g

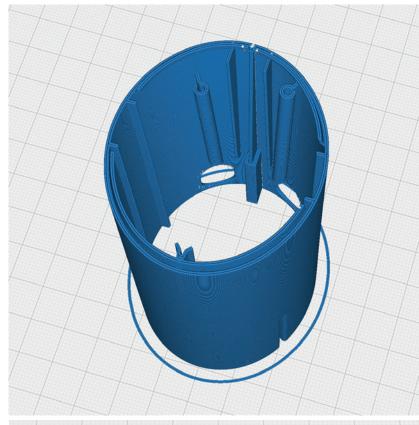
ADDITIONAL SETTINGS

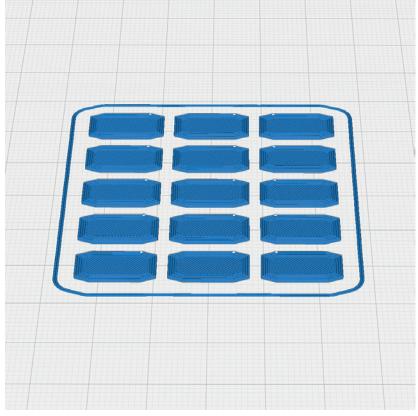
None required



MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS





The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Motor mount 16/19\_ae.stl

MATERIAL PLA, Weight: ~ 2 g

#### ADDITIONAL SETTINGS

This part is only needed if you want to print the **motor version**.

If your engine needs different hole positions there are alternative STL

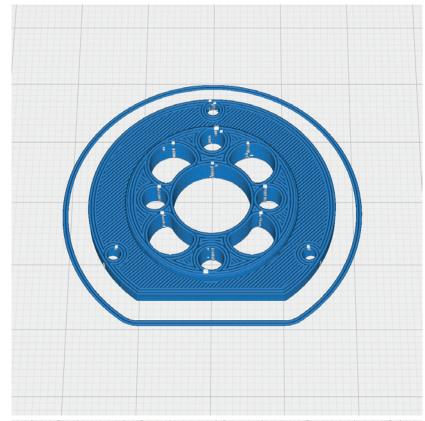


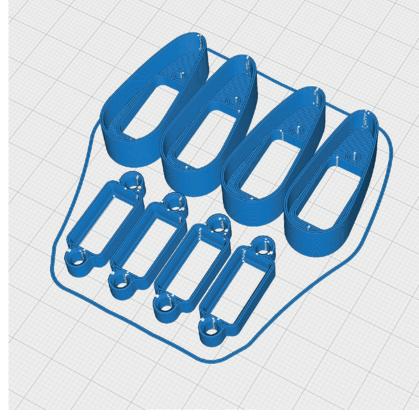


#### P1\_MPX connectors\_ae.stl

MATERIAL PLA, Weight: ~ 5 g

#### ADDITIONAL SETTINGS





The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Protective wall\_ae.stl

MATERIAL PLA, Weight: ~ 2 g

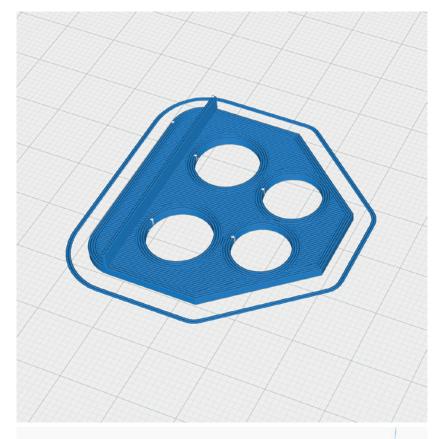
#### ADDITIONAL SETTINGS

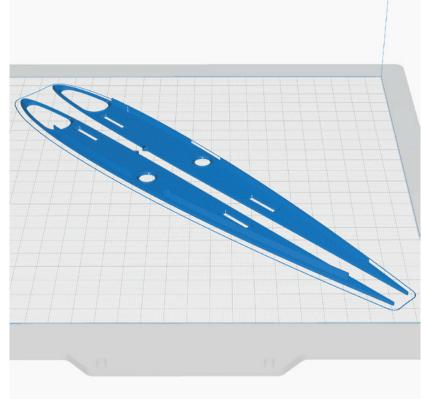
This part is only needed if you want to print the **motor version**.



MATERIAL PLA, Weight: ~ 14 g

#### ADDITIONAL SETTINGS





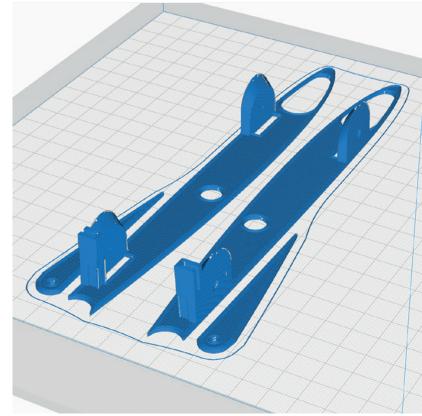
The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Protector Wing\_ae.stl

MATERIAL PLA, Weight: ~ 21 g

#### ADDITIONAL SETTINGS

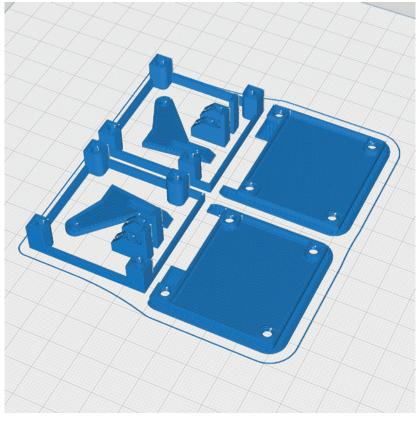
None required



### P1\_Servo mount ailerons\_ae.stl

MATERIAL PLA, Weight: ~ 13 g

#### ADDITIONAL SETTINGS



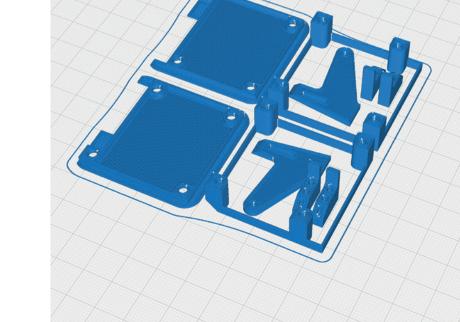
The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

P1\_Servo mount flaps\_ae.stl

MATERIAL PLA, Weight: ~ 14 g

ADDITIONAL SETTINGS

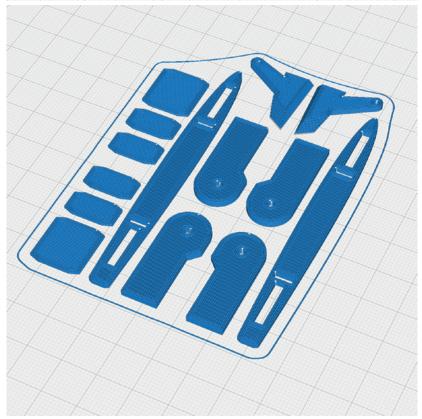
None required



P1\_V-Tail parts\_ae.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS



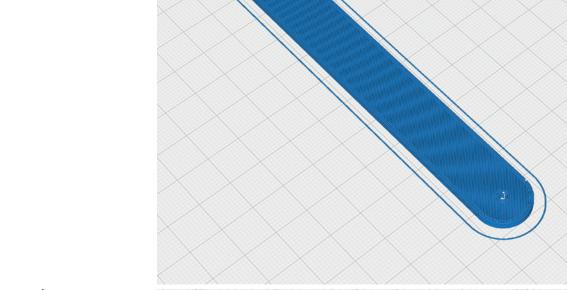
The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_Wing belt\_ae.stl

MATERIAL PLA, Weight: ~ 7 g

#### ADDITIONAL SETTINGS

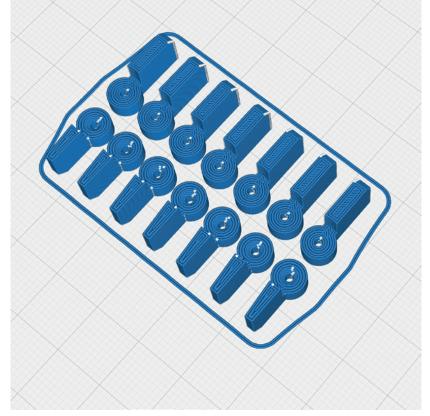
None required



P1\_Wing hinges L\_ae.stl and P1\_Wing hinges R\_ae.stl

MATERIAL PLA, Weight: ~ 5 g

#### ADDITIONAL SETTINGS



The following parts should be sliced with the PROFILE P1\_Fullbody. Please note the additional settings for the individual parts!

#### P1\_wingconnector\_ae.stl

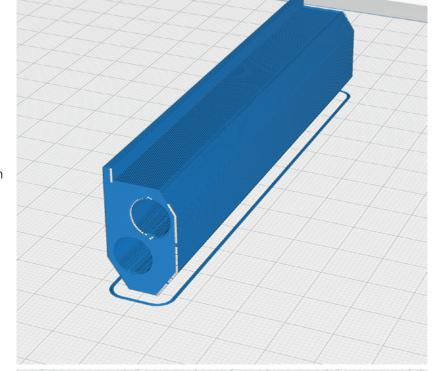
MATERIAL PLA, Weight: ~ 29 g

#### ADDITIONAL SETTINGS

None required

IMPORTANT Before you glue this part, please make sure that the 8 mm carbon tubes fit inside. They should be stiff at the beginning and go easily after a few times back and forth. There are small differences in the diameter of the tubes. If it does not fit, please reprint this part with slightly reduced Horizontal Expansion (-0.1 mm or less).

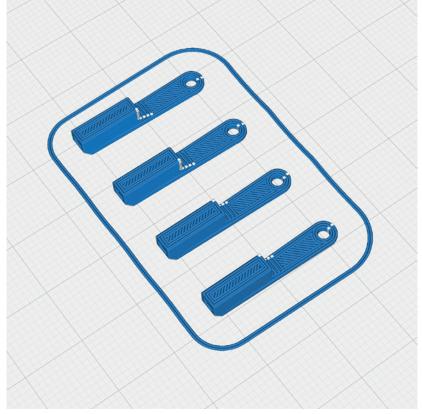
**NOTE** This part must be absolutely stable, because it absorbs the forces of the wings.



### P1\_Clips 1mm wire.stl

MATERIAL PLA, Weight: ~ 1 g

#### ADDITIONAL SETTINGS



### PROFILE P2\_Hollowbody PLA or Tough PLA

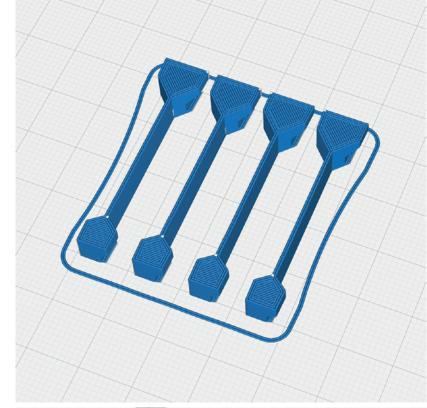
The following parts should be sliced with the PROFILE P2\_Hollowbody. Please note the additional settings for the individual parts!

#### P2\_Fairing mount\_ae.stl

MATERIAL PLA, Weight: ~ 3 g

#### ADDITIONAL SETTINGS

None required



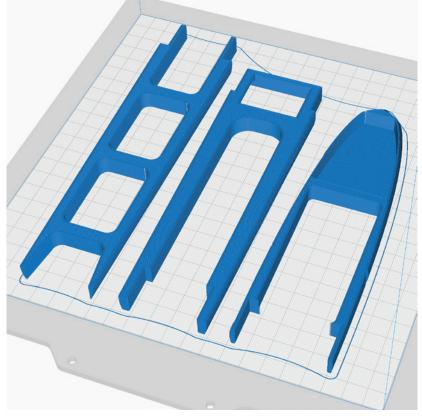
### P2\_RC Frame glider\_ae.stl

MATERIAL PLA, Weight: ~ 45 g

#### ADDITIONAL SETTINGS

Top Layers: 3Bottom Layers: 3

This part is only needed if you want to print the **glider version**.



# PROFILE P2\_Hollowbody PLA or Tough PLA

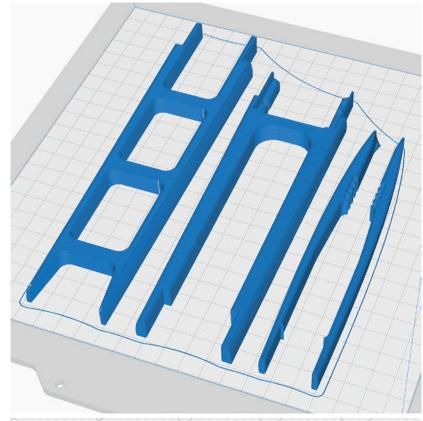
The following parts should be sliced with the PROFILE P2\_Hollowbody. Please note the additional settings for the individual parts!

#### P2\_RC Frame motor\_ae.stl

MATERIAL PLA, Weight: ~ 43 g

#### ADDITIONAL SETTINGS

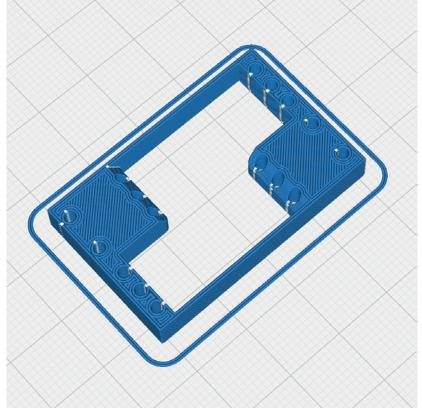
This part is only needed if you want to print the **motor version**.



### P2\_Servo frame\_ae.stl

MATERIAL PLA, Weight: ~ 3 g

#### ADDITIONAL SETTINGS



# PROFILE P2\_Hollowbody PLA or Tough PLA

The following parts should be sliced with the PROFILE P2\_Hollowbody. Please note the additional settings for the individual parts!

#### P2\_V-Tail center\_ae.stl

MATERIAL PLA, Weight: ~ 15 g

#### ADDITIONAL SETTINGS

• Infill Pattern: Gyroid



# PROFILE P4\_Flex

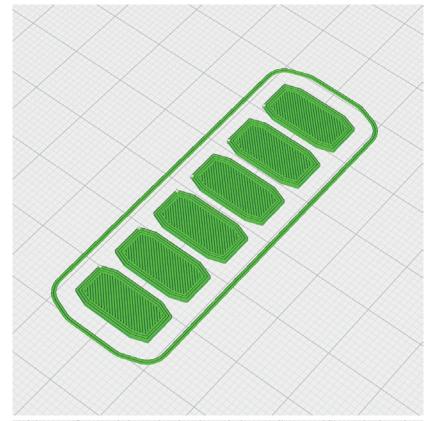
The following parts should be sliced with the PROFILE P4\_Flex. Please note the additional settings for the individual parts!

#### P4\_Hinges\_ae.stl

MATERIAL TPU A95, Weight: ~ 1 g

#### ADDITIONAL SETTINGS

None required

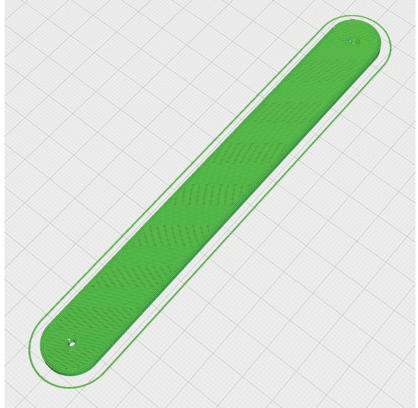


### P4\_Wing belt flex\_ae.stl

MATERIAL TPU A95, Weight: ~ 4 g

#### ADDITIONAL SETTINGS

• Infill Density: 100 %



The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

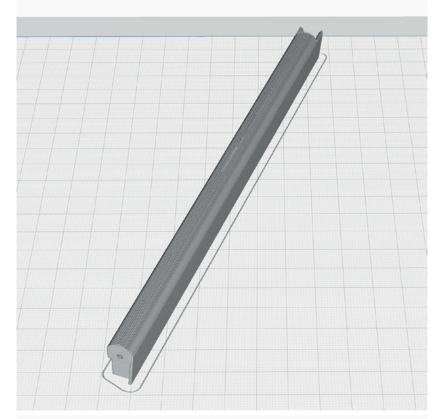
P5\_AIL 1 L\_ae.stl and P5\_AIL 1 R\_ae.stl

MATERIAL LW-PLA, ~ 5 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required

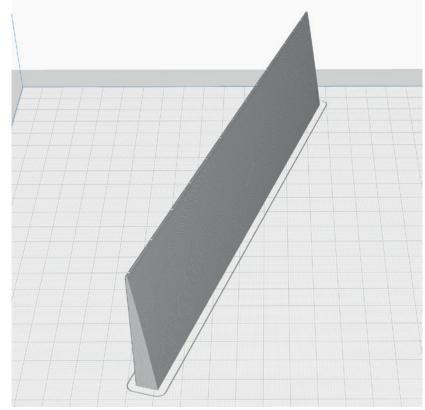
TIP Label the Aileron parts with adhesive tape so you don't mix them up during assembly.



P5\_AIL 2 L\_ae.stl and P5\_AIL 2 R\_ae.stl

MATERIAL LW-PLA, ~ 8 g\*
\*Weighed (approximate guideline)

#### **ADDITIONAL SETTINGS**



The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_AIL 3 L\_ae.stl and P5\_AIL 3 R\_ae.stl

MATERIAL LW-PLA, ~ 4 g\*
\*Weighed (approximate guideline)

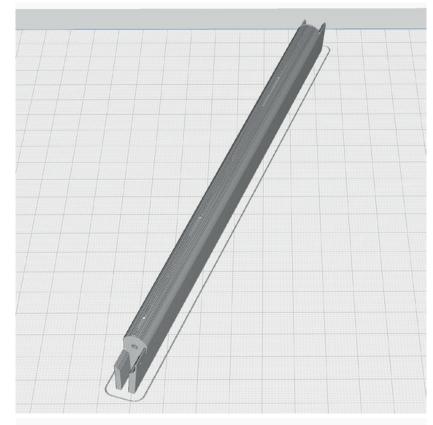
#### ADDITIONAL SETTINGS

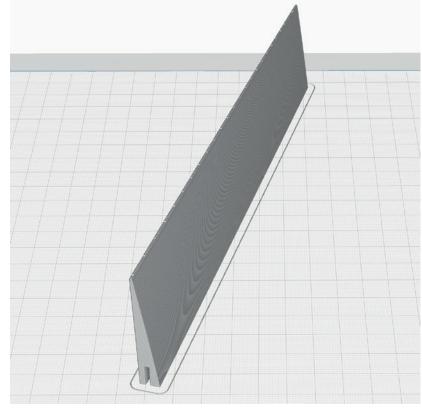
None required

P5\_AIL 4 L\_ae.stl and P5\_AIL 4 R\_ae.stl

MATERIAL LW-PLA, ~ 7 g\*
\*Weighed (approximate guideline)

#### **ADDITIONAL SETTINGS**





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_AIL 5 L\_ae.stl and P5\_AIL 5 R\_ae.stl

MATERIAL LW-PLA, ~ 4 g\*
\*Weighed (approximate guideline)

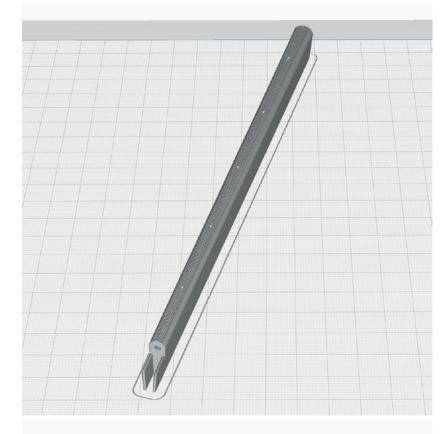
#### ADDITIONAL SETTINGS

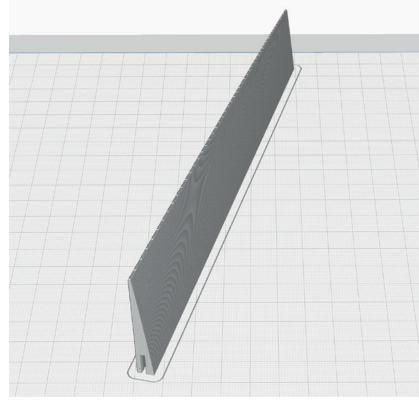
None required

P5\_AIL 6 L\_ae.stl and P5\_AIL 6 R\_ae.stl

MATERIAL LW-PLA, ~ 5 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_Flap 1 L\_ae.stl and P5\_Flap 1 R\_ae.stl

MATERIAL LW-PLA, ~ 5 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required

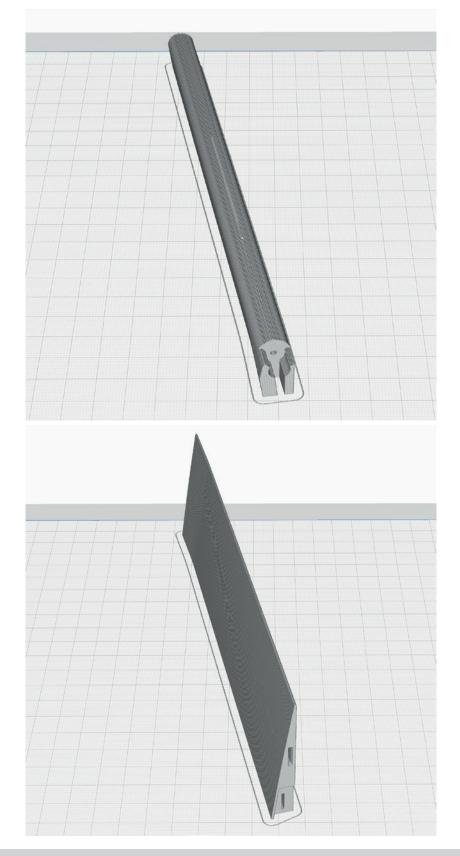
TIP Label the Flap parts with adhesive tape so you don't mix them up during assembly.

P5\_Flap 2 L\_ae.stl and P5\_Flap 2 R\_ae.stl

MATERIAL LW-PLA, ~ 9 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_Flap 3 L\_ae.stl and P5\_Flap 3 R\_ae.stl

MATERIAL LW-PLA, ~ 5 g\*
\*Weighed (approximate guideline)

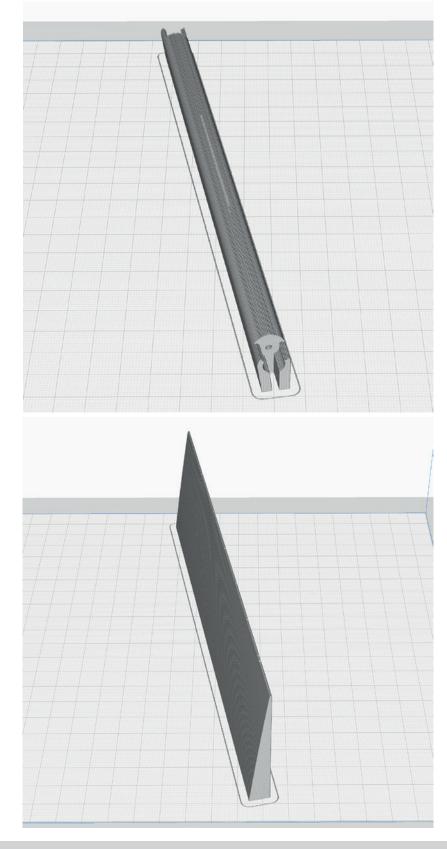
#### ADDITIONAL SETTINGS

None required

P5\_Flap 4 L\_ae.stl and P5\_Flap 4 R\_ae.stl

MATERIAL LW-PLA, ~ 9 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

#### P5\_Fuselage 3\_ae.stl

MATERIAL LW-PLA, ~ 43 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required

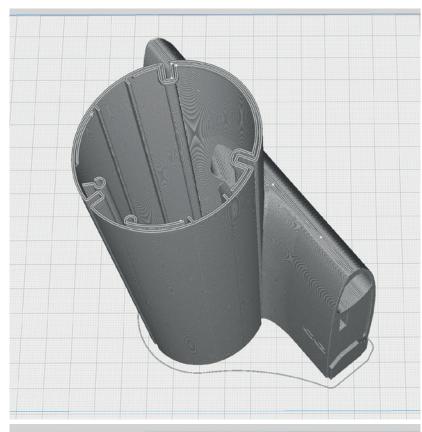


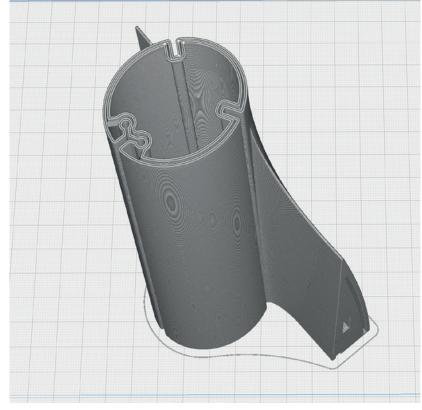
### P5\_Fuselage 4\_ae.stl

MATERIAL LW-PLA, ~ 39 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

#### P5\_Fuselage 5\_ae.stl

MATERIAL LW-PLA, ~ 22 g\*

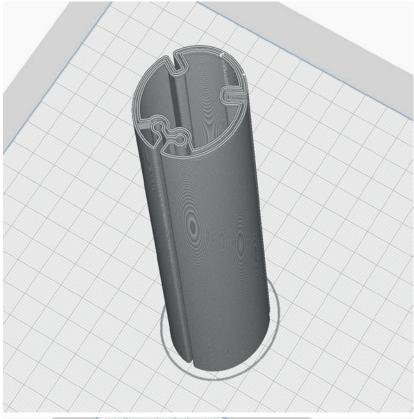
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required



Due to the properties of LW-PLA, grooves may appear in the 2-wall print. You can either lower the flow or simply smooth them out later with sandpaper. But here, stability comes first.



### P5\_Fuselage 6\_ae.stl

MATERIAL LW-PLA, ~ 19 g\*

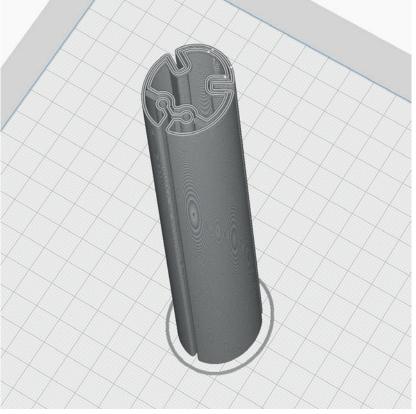
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required



Due to the properties of LW-PLA, grooves may appear in the 2-wall print. You can either lower the flow or simply smooth them out later with sandpaper. But here, stability comes first.



The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

#### P5\_Fuselage 7\_ae.stl

MATERIAL LW-PLA, ~ 15 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

None required



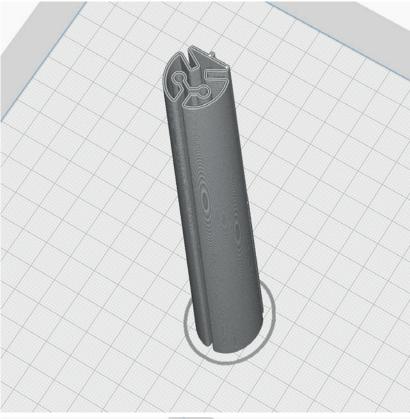
Due to the properties of LW-PLA, grooves may appear in the 2-wall print. You can either lower the flow or simply smooth them out later with sandpaper. But here, stability comes first.

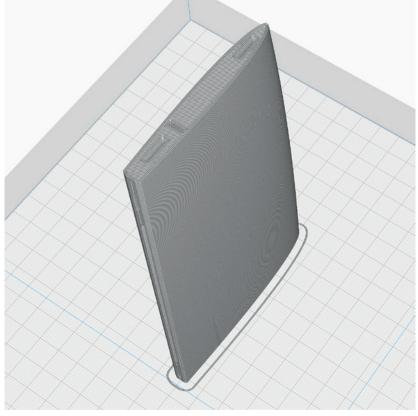


MATERIAL LW-PLA, ~ 13 g\*

\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_V-Tail 2 L\_ae.stl and P5\_V-Tail 2 R\_ae.stl

MATERIAL LW-PLA, ~ 7 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

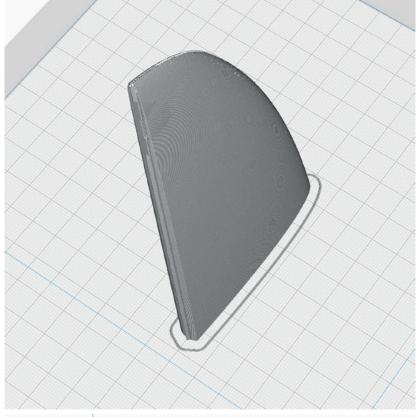
None required

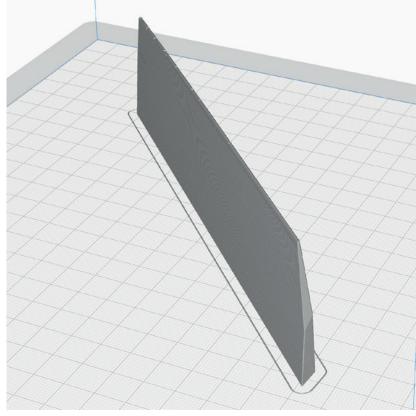
P5\_V-Tail 3 L\_ae.stl and P5\_V-Tail 3 R\_ae.stl

MATERIAL LW-PLA, ~ 5 g\*
\*Weighed (approximate guideline)

#### **ADDITIONAL SETTINGS**

• Z Seam Position: Back Left





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

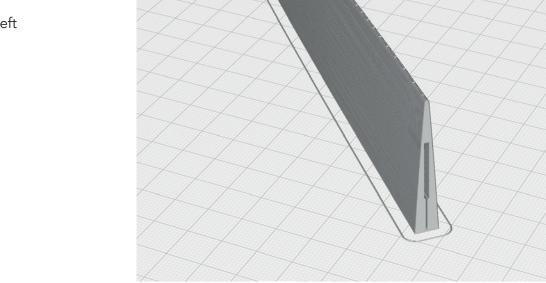
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_V-Tail 4 L\_ae.stl and P5\_V-Tail 4 R\_ae.stl

MATERIAL LW-PLA, ~ 4 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Z Seam Position: Back Left



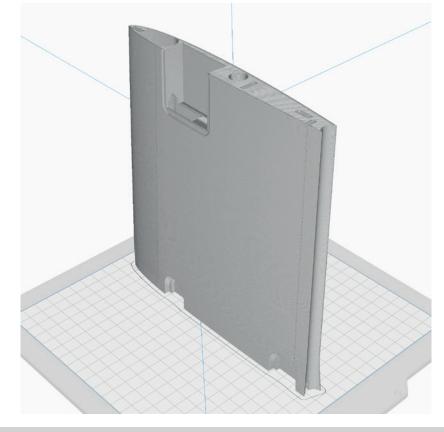
P5\_Wing 1 L\_ae.stl and P5\_Wing 1 R\_ae.stl

MATERIAL LW-PLA, ~ 54 g\*
\*Weighed (approximate guideline)

#### **ADDITIONAL SETTINGS**

None required

**NOTE** Do not mirror in the slicer! The left and right sides of the wing are different.



The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_Wing 2 L\_ae.stl and P5\_Wing 2 R\_ae.stl

MATERIAL LW-PLA, ~ 50 g\*
\*Weighed (approximate guideline)

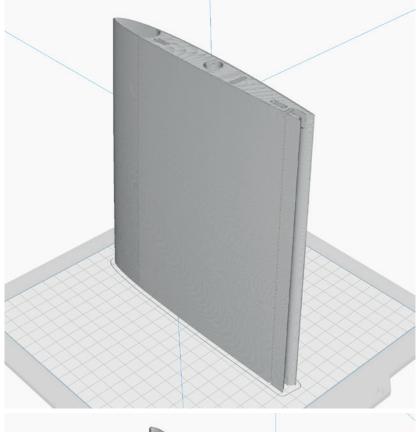
#### ADDITIONAL SETTINGS

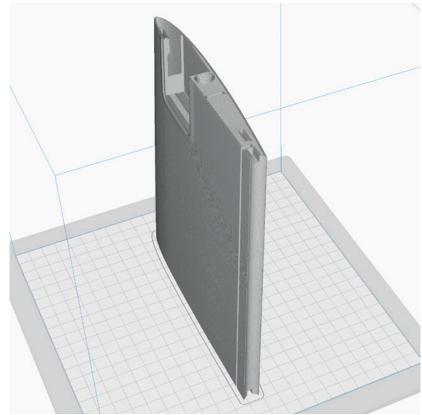
None required

P5\_Wing 3 L\_ae.stl and P5\_Wing 3 R\_ae.stl

MATERIAL LW-PLA, ~ 45 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS





The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

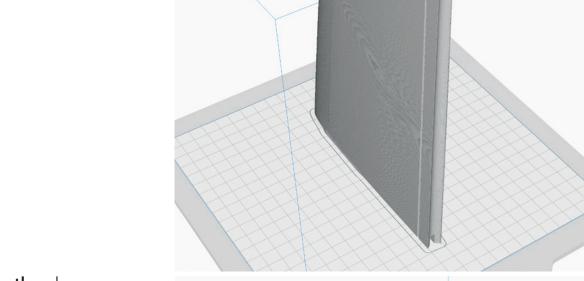
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_Wing 4 L\_ae.stl and P5\_Wing 4 R\_ae.stl

MATERIAL LW-PLA, ~ 37 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

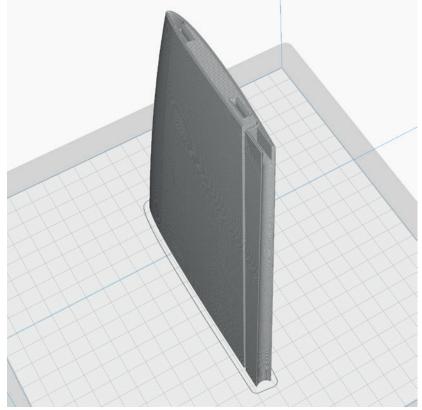
None required



P5\_Wing 5 L\_ae.stl and P5\_Wing 5 R\_ae.stl

MATERIAL LW-PLA, ~ 25 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS



The following parts must be sliced with the PROFILE P5\_Gyroid. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

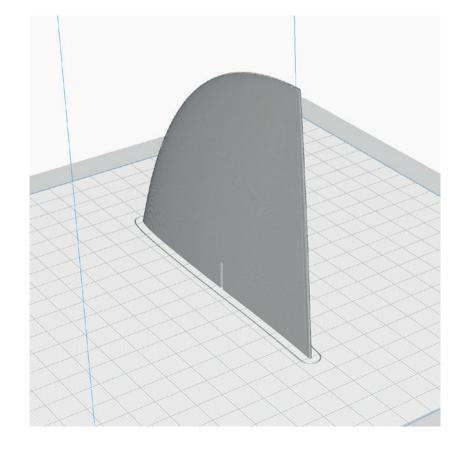
**Basic settings for LW-PLA:** Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5\_Wing 6 L\_ae.stl and P5\_Wing 6 R\_ae.stl

MATERIAL LW-PLA, ~ 12 g\*
\*Weighed (approximate guideline)

#### ADDITIONAL SETTINGS

• Wall Line Count: 2



### **Basic Information:**

### Gluing the parts printed with PROFILE P5

STEP 1 As a first step, it is important to roughen and smooth the adhesive surfaces with sandpaper.

STEP 2 Insert the interconnects into the slots provided on one side.

Apply a lot of glue to the side with the interconnects. It is important that there is glue everywhere, especially on the outside and inside of the wall surfaces, in order to achieve a perfect connection. The interconnects only serve to align the parts to each other. It is better **not** to apply glue here, otherwise it can happen that the glue suddenly hardens while the parts are being put together and stops the process.

Use medium viscosity CA glue, thinner glue would run down the parts too easily.

After assembly, **align the two parts exactly** and wipe off the excess CA glue from the surface with a cloth. Now spray with activator spray along the gluing surface and carefully press the parts together.

STEP 4 Clean the glued areas slightly with a sharp-bladed cutter.

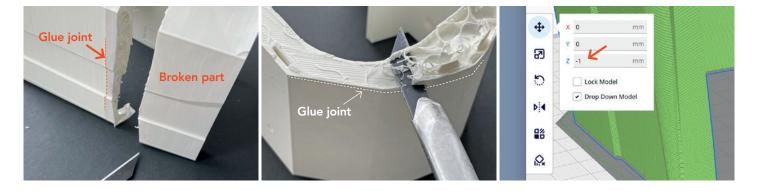


### PROFILES 5 parts are easy to repair

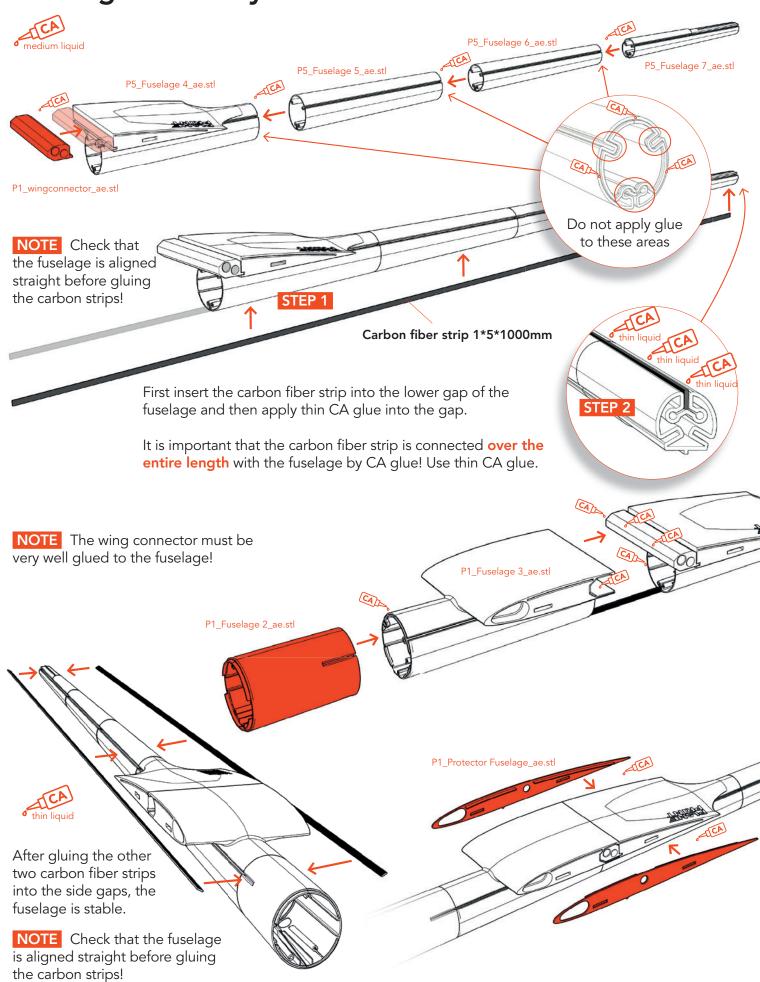
STEP 1 Using the knife, carefully remove the damaged part about 3 mm from the glue joint between two parts.

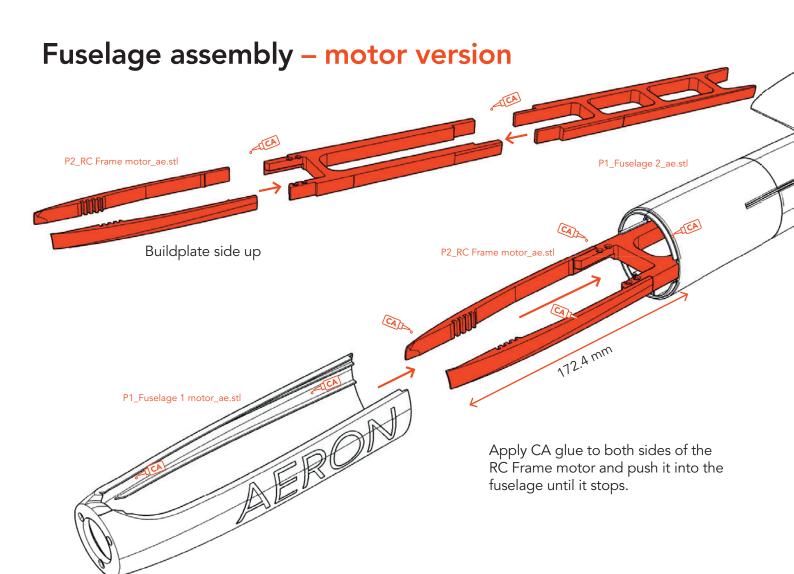
STEP 2 Cut wall and infill and clean the surface with sandpaper. The top surface of the damaged part remains!

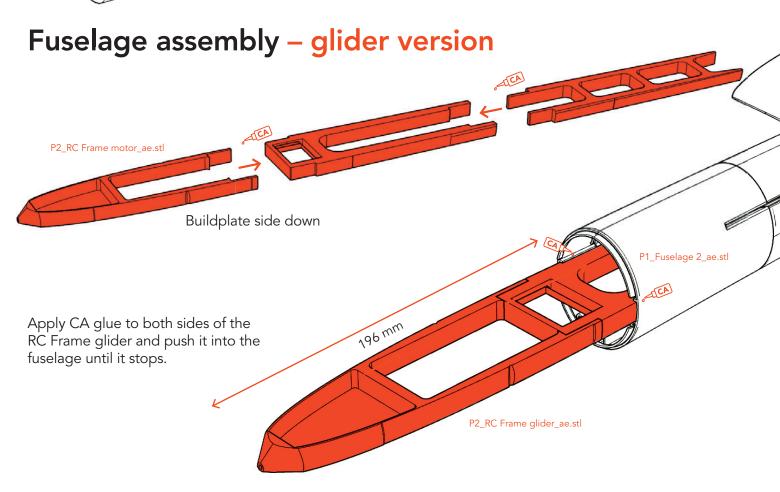
The remaining top surface is about 1 mm thick. To compensate for this, you can move the new part to be printed down the Z axis in Cura by 1 mm.



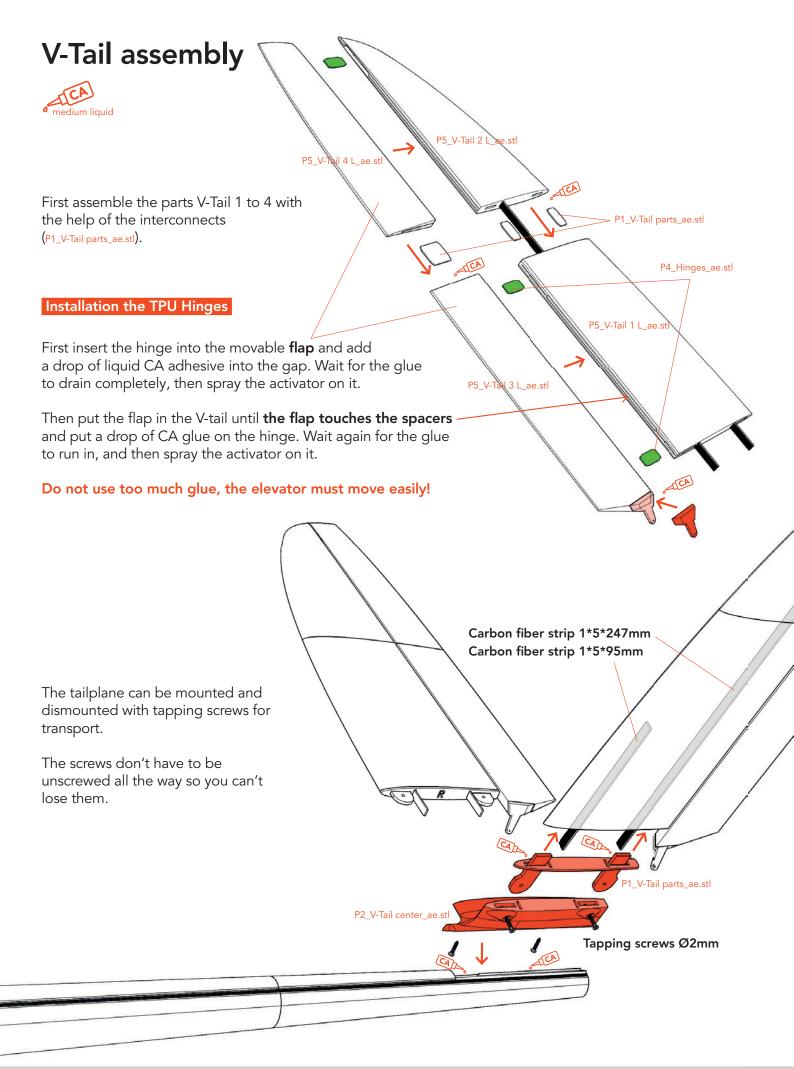
### Fuselage assembly

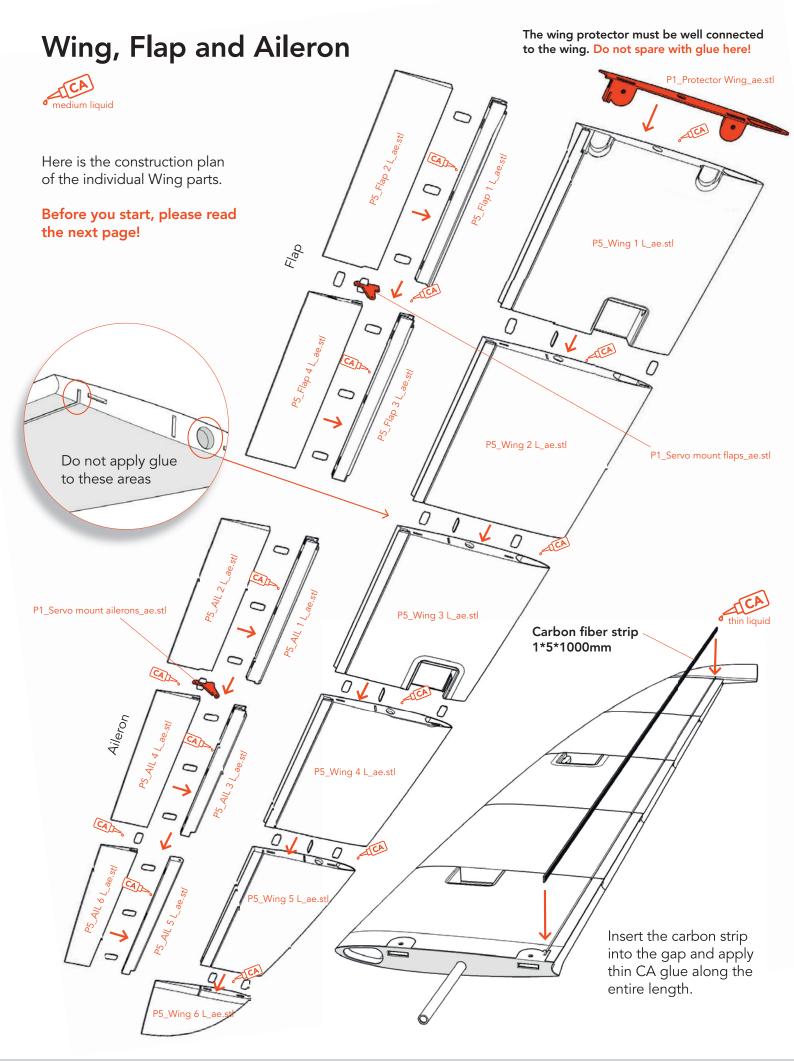




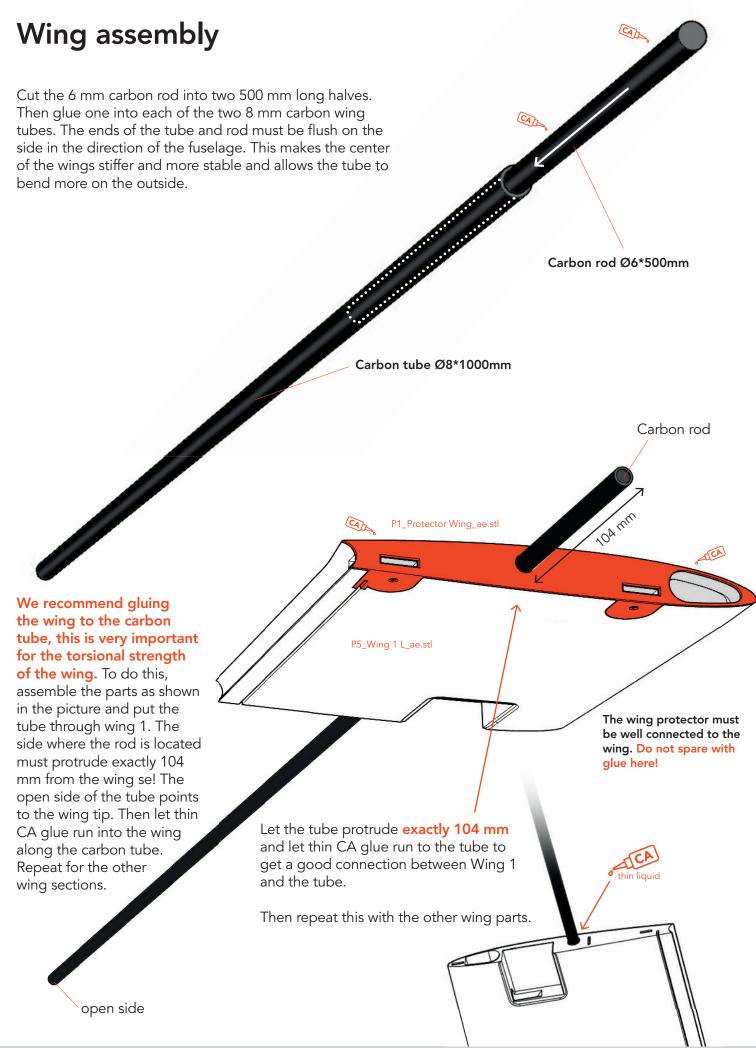






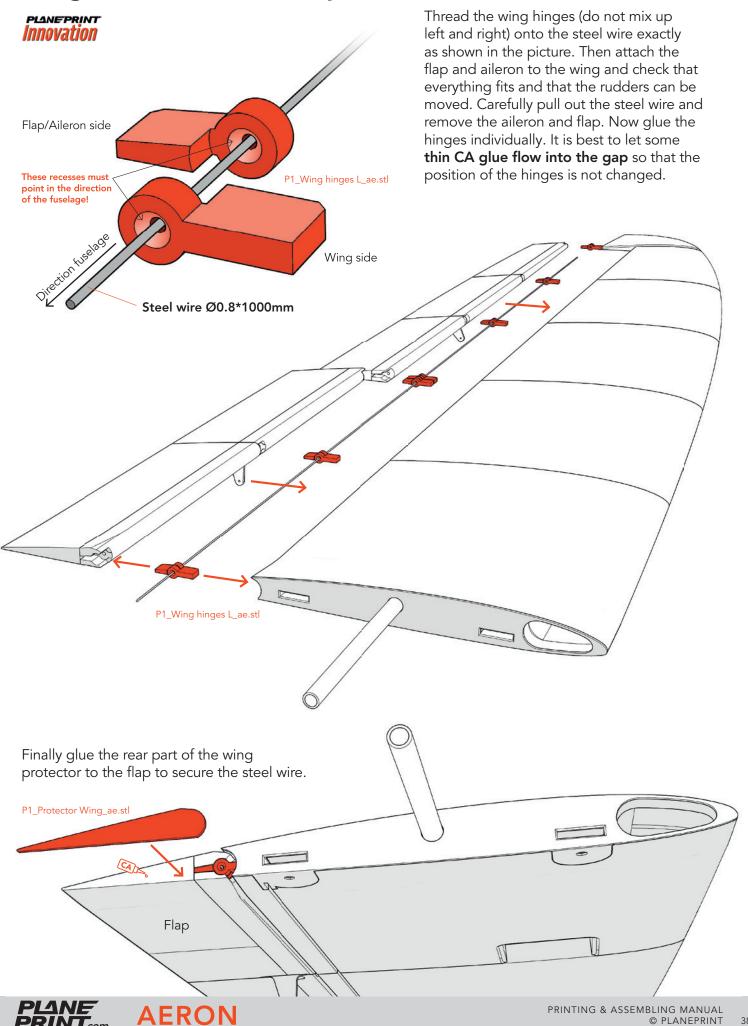


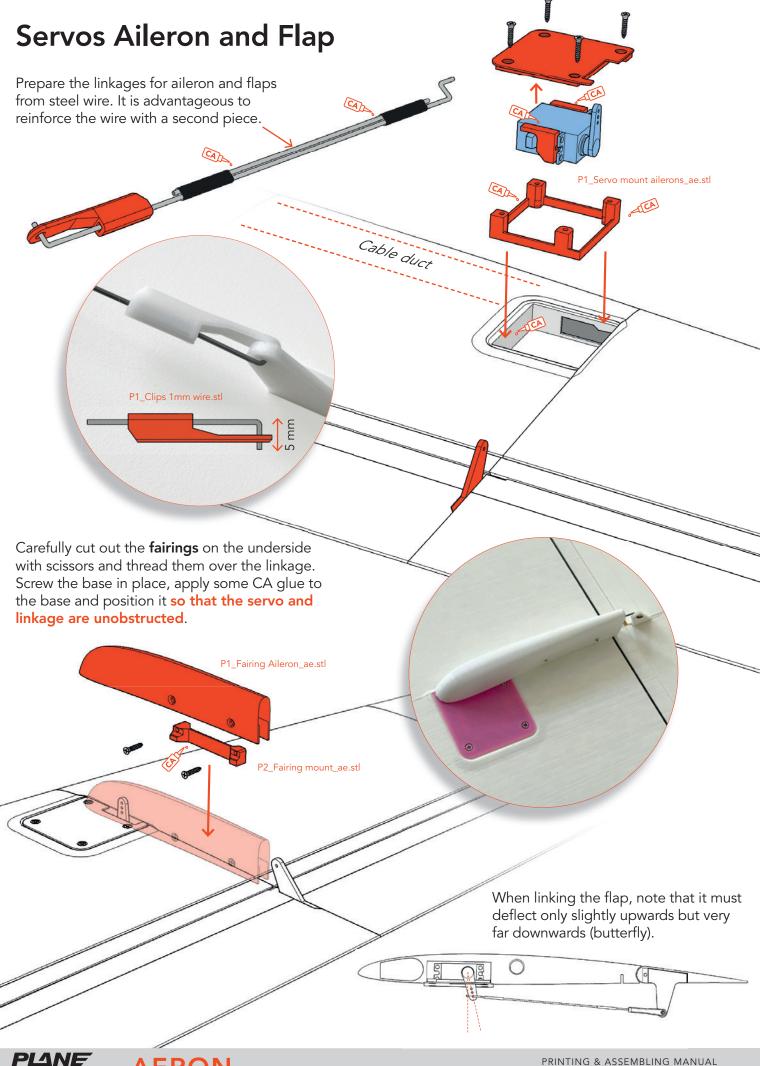




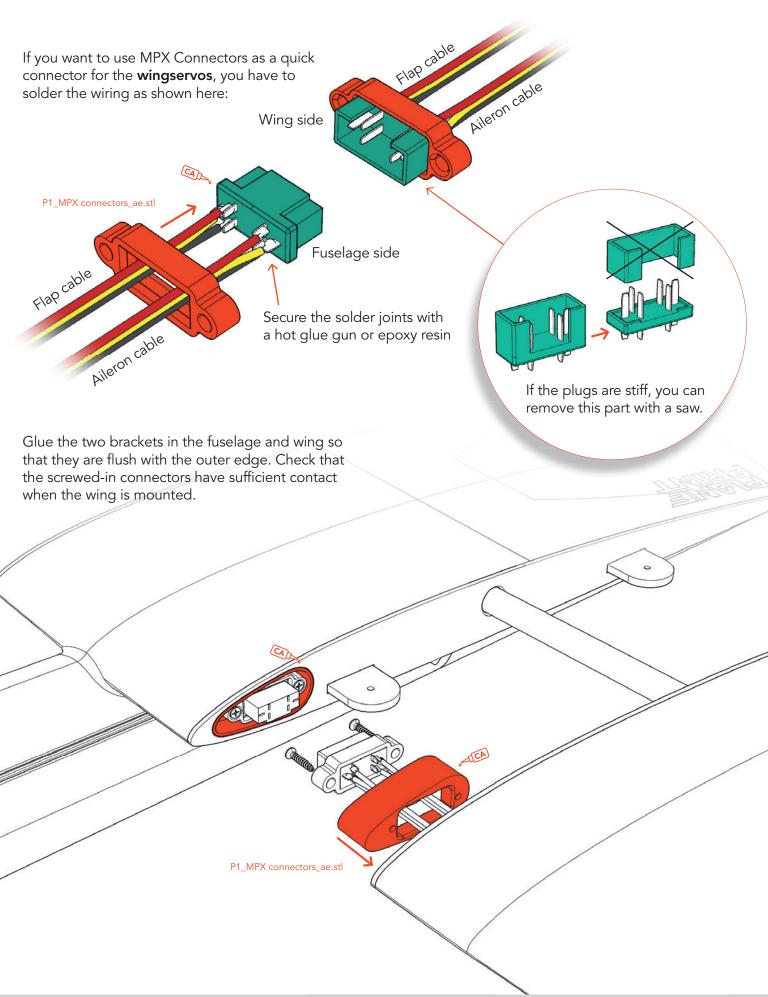


### **Hinges Aileron and Flaps**

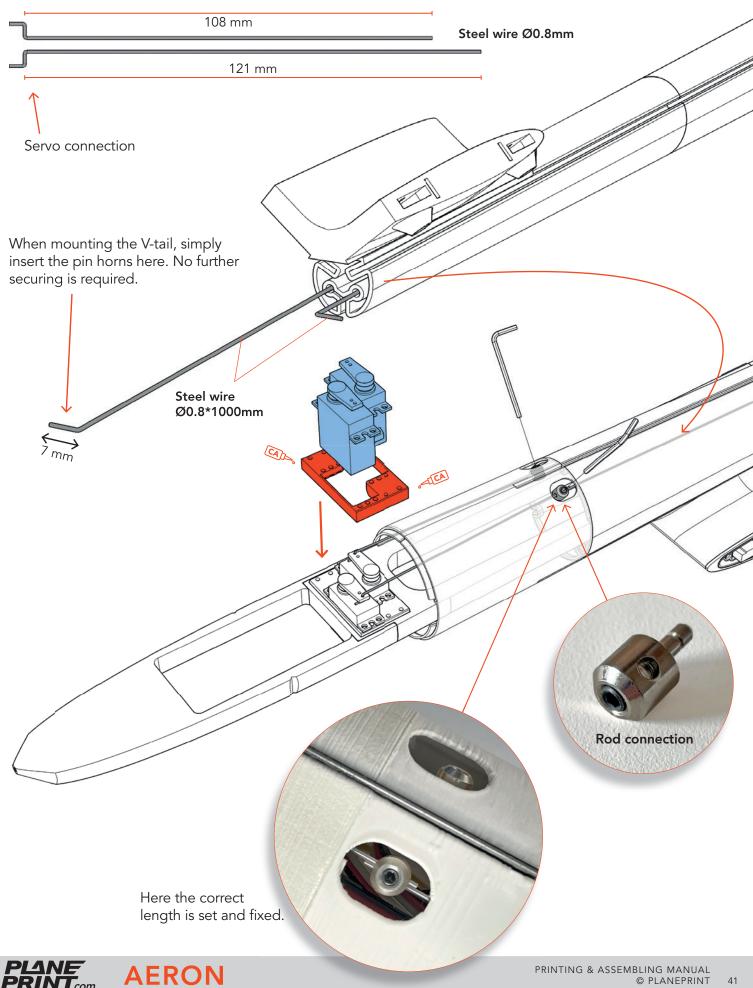




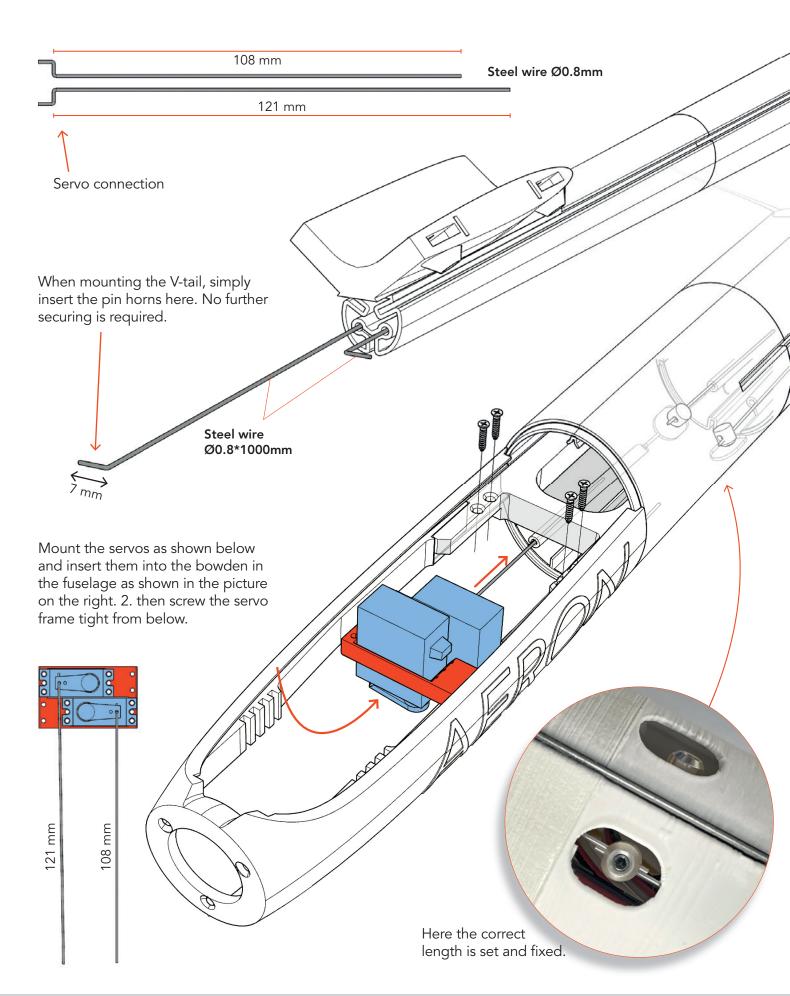
### **MPX Connectors**



# Fuselage Servos – glider version

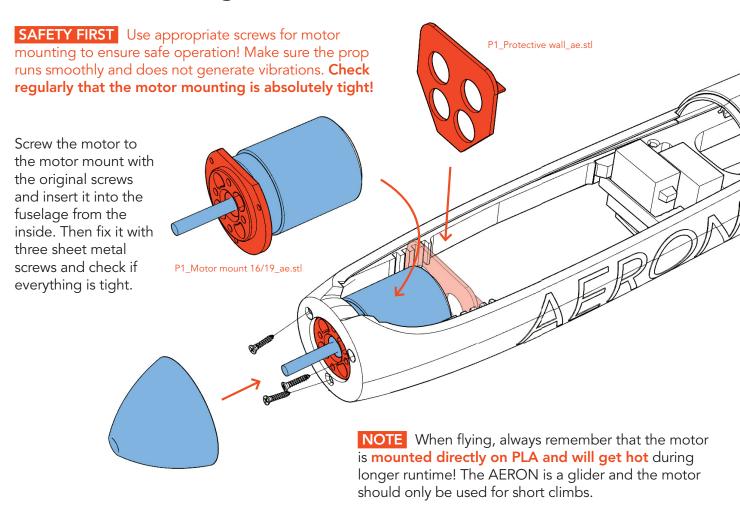


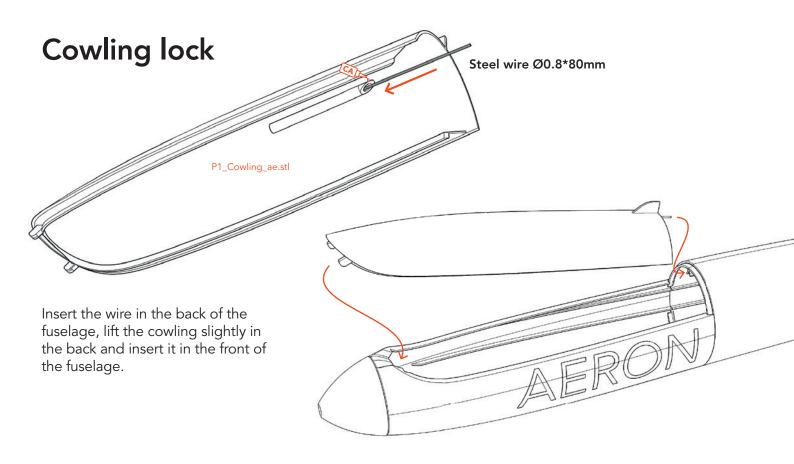
# Fuselage Servos – motor version

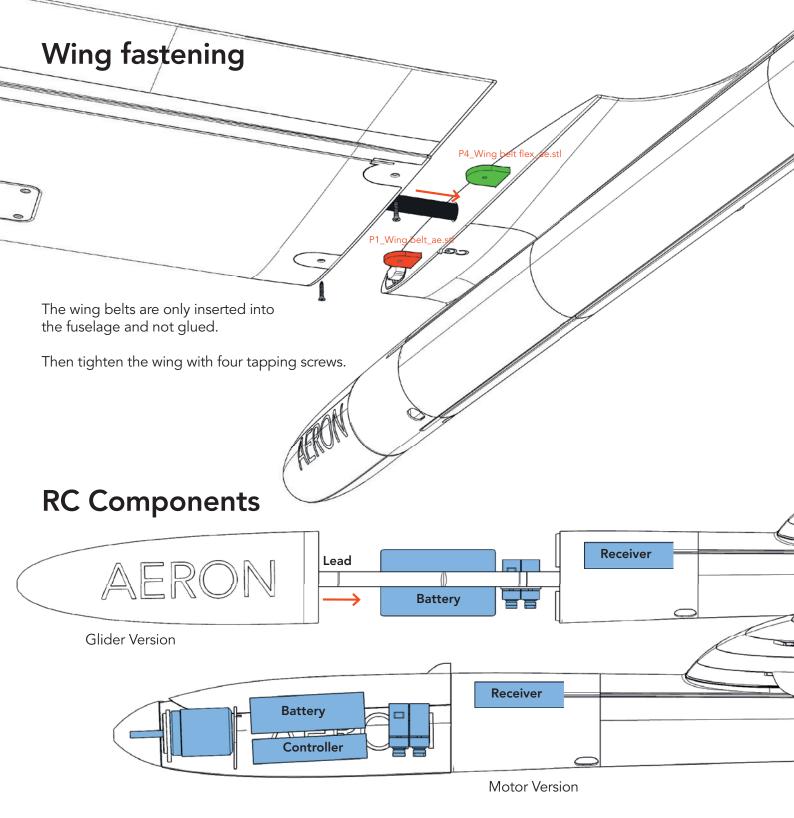




### Motor mounting



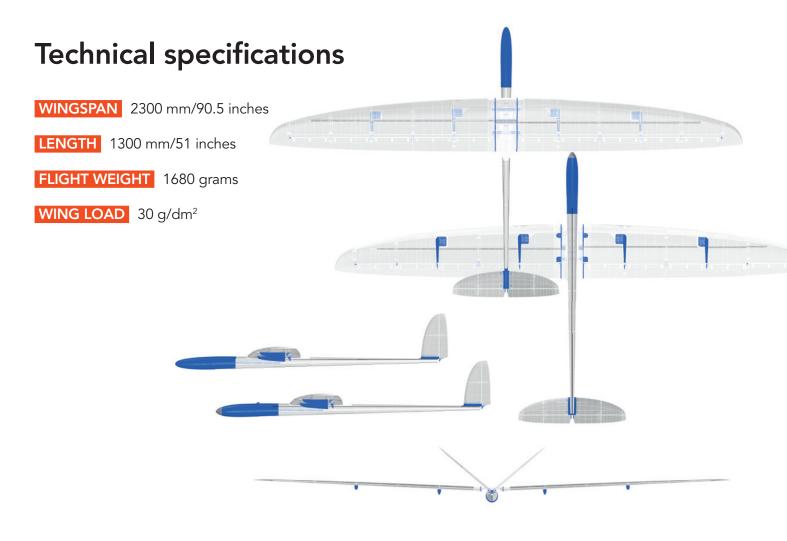




### Tips for flying

While the AERON's construction is very stable for a 3D printed model (depending on the quality and flow of your wing parts), keep in mind that you are not flying a full carbon model and do not subject the wing to too much elevator maneuvering. You can also fly the AERON fast, but at a certain speed the effect of the ailerons begins to weaken, then simply reduce the speed a little by giving gentle elevator. In this way, it

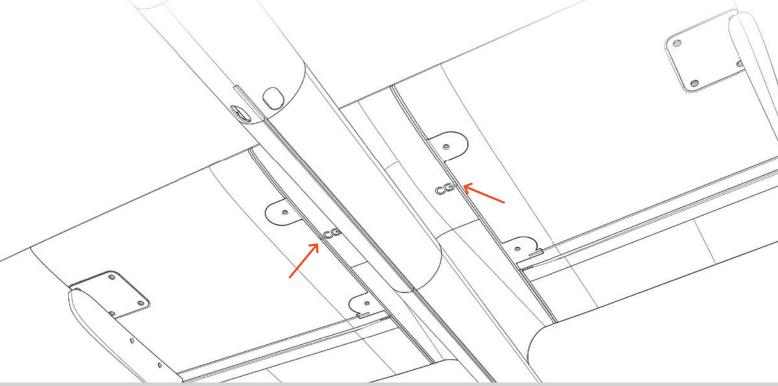
shows you how fast it wants to be flown at maximum. The AERON is a powerful thermal and only needs the motor for short climbs. To prevent overheating of the motor (always remember that it sits directly on the PLA motor mount!), use a slightly smaller prop than recommended by the manufacturer and always give it time to cool down. Check how hot your motor gets after the first few flights to be sure.



### Center of Gravity (CG)

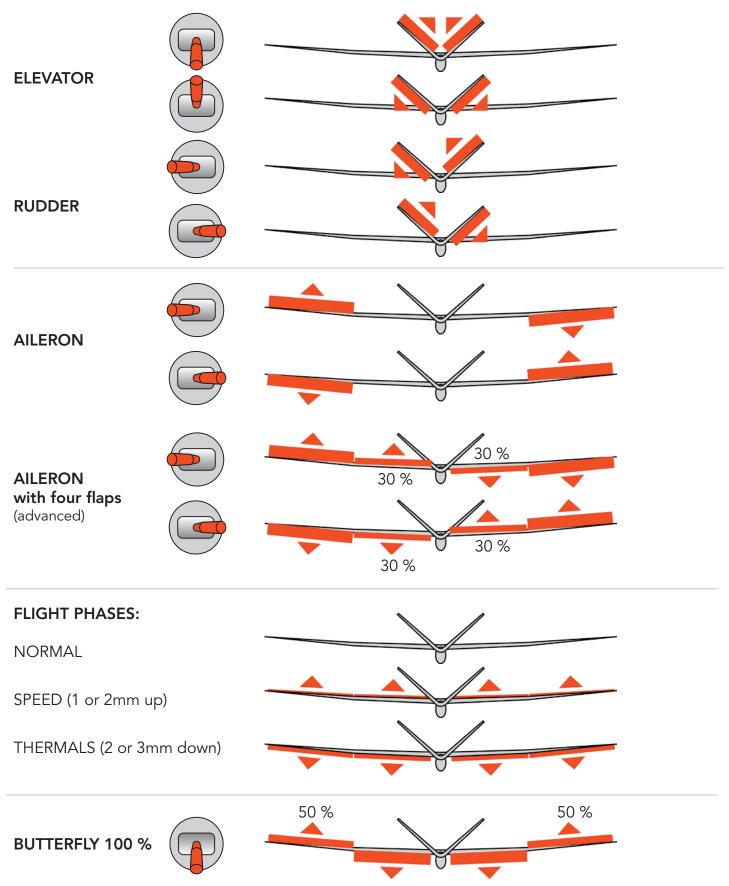
The aircraft must balance on these points (88 mm behind the leading edge – see the markings on the fuselage).

Do not forget to check if the wings are exactly in ballance in the roll axis. If one wing is heavier, correct this with a small weight on the wingtip.



### **Control Direction Test**

Turn on the transmitter and connect the battery. When checking the control directions, **look at the aircraft from behind.** 



Motor version: We recommend that you put the engine on a switch and the Butterfly on the gas stick.



#### **AGE RECOMMENDATION 14+**

### NOT FOR CHILDREN UNDER 14 YEARS. THIS IS NOT A TOY!

The STL data (or data processed from it, such as G codes) must never be passed on to third parties!

The purchase of the STL does not authorize the production of models for third parties.

By using the download data, an RC model airplane, called "model" for short, can be manufactured using a 3D printer. As a user of this model, only you are responsible for safe operation that does not endanger you or others, or that does not damage the model or property of others.

PLANEPRINT.com assumes no responsibility for damage to persons and property caused by pressure, transport or use of the product. Filaments, printing supplies, hardware or consumables that can not be used after faulty 3D printing will not be replaced by PLANEPRINT.com in any way.

When operating, always keep a safe distance from your model in all directions to avoid collisions and injuries.

This model is controlled by a radio signal. Radio signals can be disturbed from outside without being able to influence it. Interference can lead to a temporary loss of control.

Always operate your model on open terrains, far from cars, traffic and people.

Always follow the instructions and warnings for this product and any optional accessories (servos, receivers, motors, propellers, chargers, rechargeable batteries, etc.) carefully. Keep all chemicals, small parts and electrical components out of the reach of children.

Avoid water contact with all components that are not specially designed and protected. Moisture damages the electronics.

Never take an item of the model or accessory in your mouth as this can lead to severe injuries or even death.

Never operate your model with low batteries in the transmitter or model.

Always keep the model in view and under control. Use only fully charged batteries.

Always keep the transmitter switched on when the model is switched on.

Always remove the battery before disassembling the model.

Keep moving parts clean and dry at all times.

Always allow the parts to cool before touching them.

Always remove the battery after use.

Make sure that the Failsafe is properly set before the flight.

Never operate the model with damaged wiring.

Never touch moving parts.

We develop our models to the best of our knowledge and belief. We accept no liability for consequential damage and injuries caused by improper use or incorrectly printed parts. Please be careful when handling motors, batteries and propellers and only move your model with insurance and in approved places!

