









RC Components

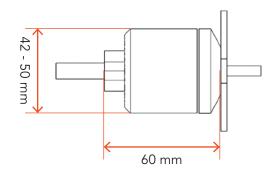
ENGINE

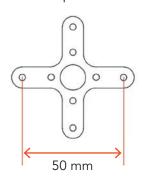
PROPDRIVE v2 4248 650KV/1295W Brushless Outrunner Motor (HobbyKing) or SPITZ Brushless Motor C4250-07 720KV/1120W

(This motor is a little bit shorter, you have to put a 3 mm (nut) between cross and motor mount)

or comparable motors.

The motor must be mounted at the rear, see picture:



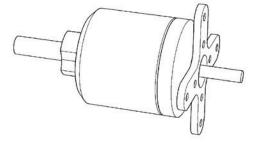




PROP

APC-E 11x10, also possible are 12x8, 12x9

Make sure that the props you use are suitable for the maximum speed of the motors (KVxVolt=speed)!



BEC-CONTROLLER 80 A (must fit the engine!)

RECEIVER

5 Channel

BATTERY

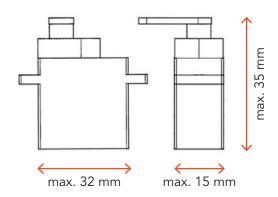
5S Lipo, 4000 - 5000 MaH

(The battery should have a weight of 500 to 580 grams)

SERVOS

4 pieces like Corona DS-238MG Digital, Corona DT-236MG or comparable
The servos should necessarily have metal gears and a torque of at least 2 to 4 Kg/cm!

Dimensions:





Required accessoires - basic equipment

- LW-PLA (cannot be replaced by PLA!), ~1200 grams
- PLA or better Tough PLA, ~300 grams
- **TPU A95**, ~100 grams
- some tapping screws Ø2 mm
- Metal screw 3*6mm, 9 pieces
- Metal screw 3*20mm, 10 pieces
- Metal screw 3*35mm, 3 pieces (Wheels axles)
- Shims for Metal screw Ø3mm, 10 pieces
- CA super glue (liquid and liquid medium)
- CA activator
- Steel wire Ø1*1000mm or Ø1.5*1000mm, 3 pieces
- Steel wire Ø4*400mm, 1 piece (or you can use ready made landing gear legs)
- Carbon tube Ø12*1000mm, 2 pieces
- Carbon rod Ø3*1000mm, 2 pieces
- Carbon fiber strips (flat profile) 1*6*1000mm*, 2 pieces (Wings)
- Carbon fiber strips (flat profile) 1*6*1000mm*, 3 pieces (Fuselage) can also be replaced by Ø3mm carbon rods.

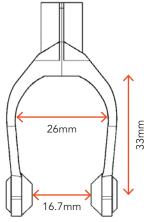
 * If you can't get such profiles you can also use two 0.5*6*1000, 1*5*1000 or hardwood strips.
- Rod connection, 5 pieces
- Adjusting collar Øoutside 8mm, Øinside 4mm, height 5mm, 10 pieces
- Servo extension cable 350mm, 2 pieces (or a soldered servo cable extension)
- Neodym-Super-Magnet 5x5x5mm, 4 pieces
- Self-adhesive Velcro tape

Tools

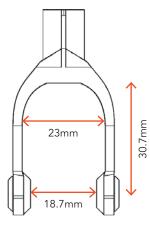
Cutter knife, Drill, small Philips screwdriver, Sandpaper, Metal saw, Needle nose pliers

If you do not want to print the wheels, you can buy matching ones. Here are the dimensions of the wheel legs:





P1_Wheel leg 58x18_F.stl



(simply search for: M2 flat head tapping screw assortment)







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 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 must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Canopy lock_F.stl

MATERIAL PLA, Weight: ~ 8 g

ADDITIONAL SETTINGS

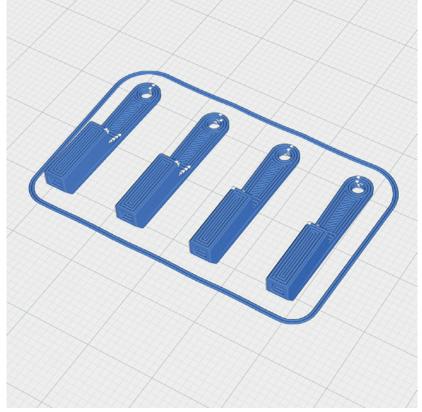
None required



P1_Clips 1mm wire_F.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS



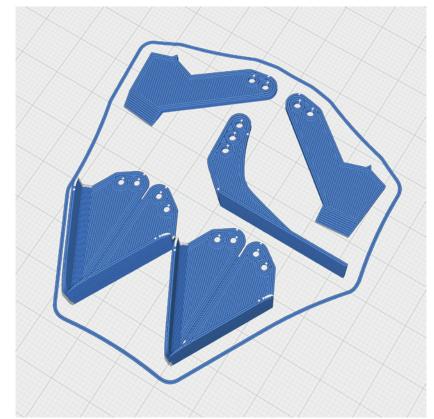
The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Control horns_F.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

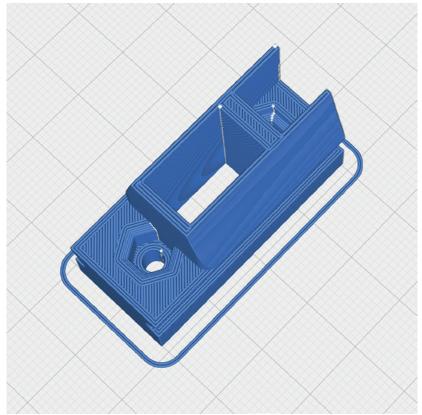
None required



P1_Frontgear PLA part_F.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS



The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Frontgear steering_F.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS

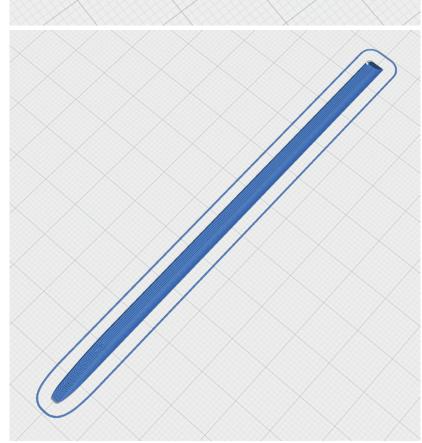
None required



P1_Fuselage 6 Skid_F.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS



The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Maingear PLA-L_F.stl and P1_Maingear PLA-R_F.stl

MATERIAL PLA, Weight: ~ 18 g

ADDITIONAL SETTINGS

• Generate Support: Checked

• Support Flow: 92 %



P1_Motormount_F.stl

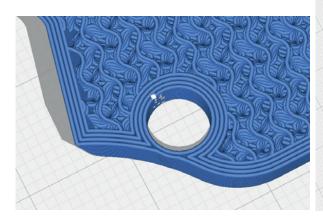
MATERIAL PLA, Weight: ~ 22 g

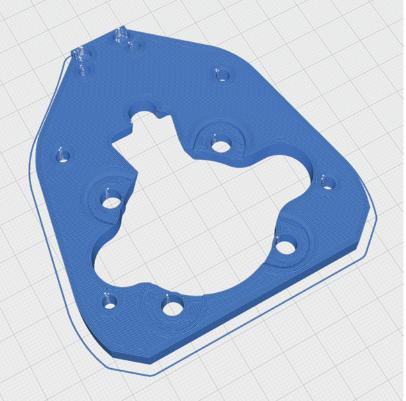
ADDITIONAL SETTINGS

• Wall Line Count: 4

Top Layers: 4Bottom Layers: 4

Infill Density: 25 %Infill Pattern: Gyroid





The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Protectors fuselage_F.stl P1_Protectors wing_F.stl

MATERIAL PLA, Weight: ~ 28/16 g

ADDITIONAL SETTINGS

None required

P1_Lettering_F.stl

MATERIAL PLA, Weight: ~ 1 g

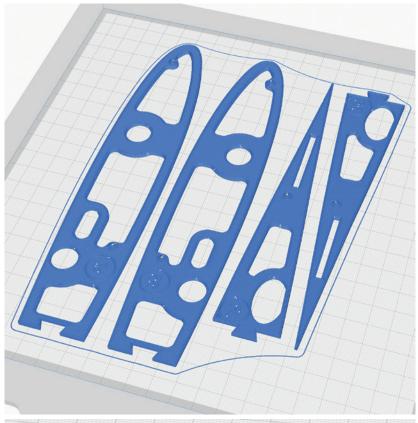
ADDITIONAL SETTINGS

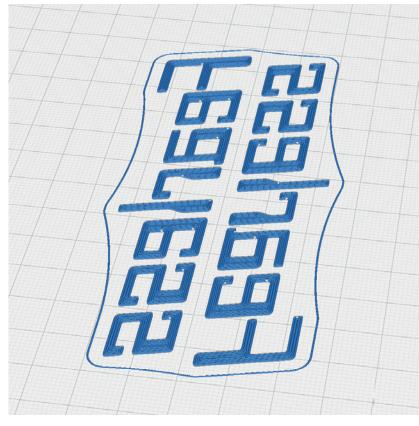
• Layer Height: 0.15

• Initial Layer Height: 0.15

• Wall Line Count: 6

Use the PLA color that you want the lettering on the plane to have later.





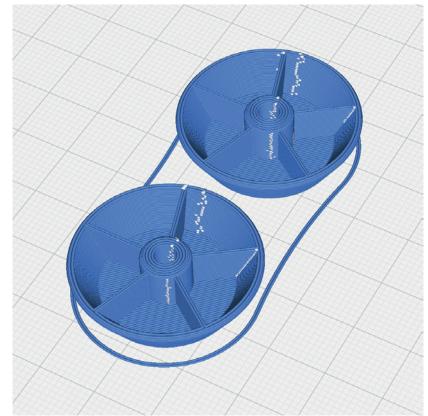
The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Rims 58_F.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

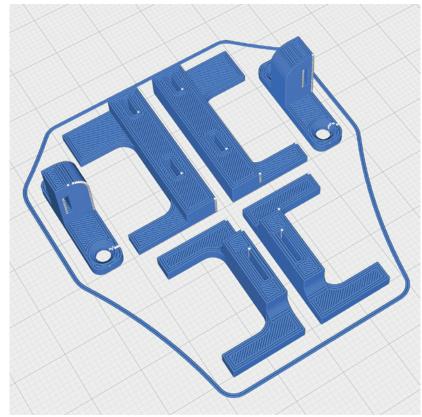
• print this part three times



P1_Servobrackets fuselage_F.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS



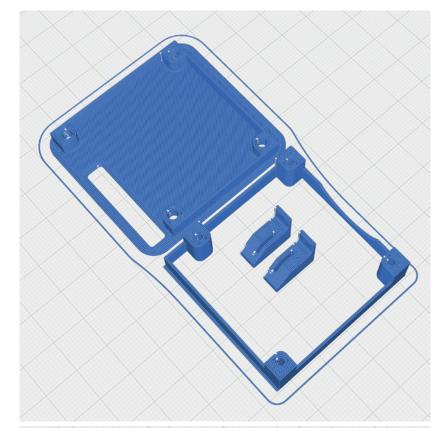
The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Servomount Aileron L_F.stl and P1_Servomount Aileron R_F.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS

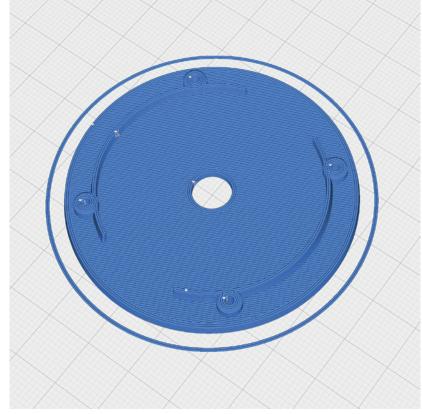
None required



P1_Spinner plate_F.stl

MATERIAL PLA, Weight: ~ 8 g

ADDITIONAL SETTINGS



The following parts must be sliced with the PROFILE P1_Fullbody. Please note the additional settings for the individual parts!

P1_Wheel leg 58x18_F.stl or P1_Wheel leg 63x23_F.stl

MATERIAL PLA, Weight: ~ 8 g

ADDITIONAL SETTINGS

None required

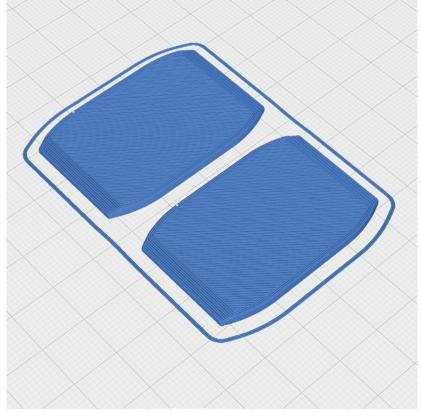
INFO These wheel legs are each available in two variants, with 3 or 4 mm bore.



P1_Wing plugging_F.stl

MATERIAL PLA, Weight: ~ 8 g

ADDITIONAL SETTINGS



PROFILE P2_Hollowbody PLA or Tough PLA

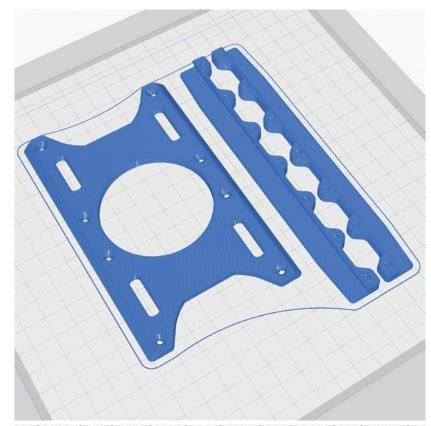
The following parts must be sliced with the PROFILE P2_Hollowbody. Please note the additional settings for the individual parts!

P2_Batterymount_F.stl

MATERIAL PLA, Weight: ~ 23 g

ADDITIONAL SETTINGS

None required



P2_Carbon tool 12mm.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS





PROFILE P2_Hollowbody PLA or Tough PLA

The following parts must be sliced with the PROFILE P2_Hollowbody. Please note the additional settings for the individual parts!

P2_Maingear plate-L_F.stl and **P2_Maingear plate-R_F.stl**

MATERIAL PLA, Weight: ~ 19 g

ADDITIONAL SETTINGS

• Generate Support: Checked

• Support Flow: 92 %

P2_Wingmount_F.stl

MATERIAL PLA, Weight: ~ 9 g

ADDITIONAL SETTINGS

• Top Layers: 3



PROFILE P4_Flex TPU A95

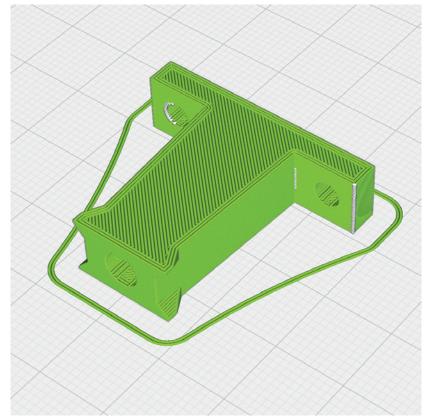
The following parts must be sliced with the PROFILE P4_Flex. Please note the additional settings for the individual parts!

P4_Frontgear TPU_F.stl

MATERIAL TPU ~ A95, Weight: ~ 5 g

ADDITIONAL SETTINGS

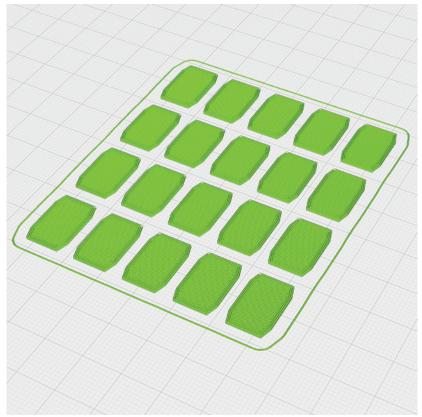
• Infill Density 100 %



P4_Hinges_F.stl

MATERIAL TPU A95, Weight: ~ 3 g

ADDITIONAL SETTINGS



PROFILE P4_Flex TPU A95

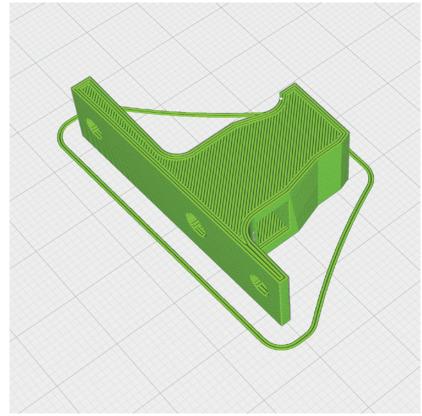
The following parts must be sliced with the PROFILE P4_Flex. Please note the additional settings for the individual parts!

P4_Maingear TPU L_F.stl and P4_Maingear TPU R_F.stl

MATERIAL TPU ~ A95, Weight: ~ 5 g

ADDITIONAL SETTINGS

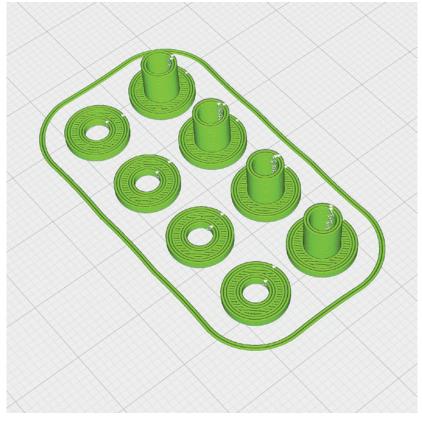
• Infill Density: 100 %



P4_Motormount TPU_F.stl

MATERIAL TPU A95, Weight: ~ 1 g

ADDITIONAL SETTINGS



PROFILE P4_Flex TPU A95

The following parts must be sliced with the PROFILE P4_Flex. Please note the additional settings for the individual parts!

P4_Tension belt_F.stl

MATERIAL TPU ~ A95, Weight: ~ 2 g

ADDITIONAL SETTINGS

- Infill Density 100 %
- print this part twice



P4_Tire 58_F.stl

MATERIAL LW-TPU varioShore Flow 70 %

The suspension works best with Colorfabb's soft varioShore. Alternatively, it can also be printed with TPU A95.

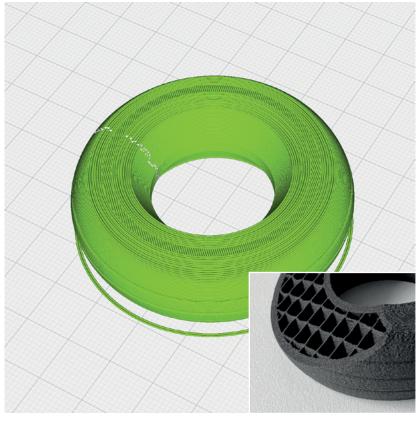
ADDITIONAL SETTINGS

varioShore with Flow 70 %:

- Wall Line Count: 6
- Top Layers: 6
- Bottom Layers: 6
- Infill Density: 15 %
- Infill Pattern: Gyroid
- print this part three times

TPU A95:

- Wall Line Count: 3
- Top Layers: 3
- Infill Pattern: Gyroid



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_Aileron 1-L_F.stl and P5_Aileron 1-R_F.stl

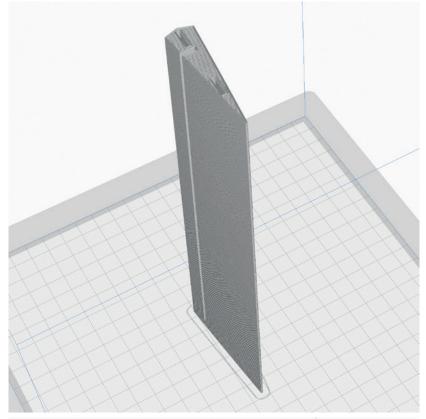
MATERIAL LW-PLA, ~ 14 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• set Brim

TIP to ensure a nice and smooth printed surface in the upper areas, reduce the print speed by about 50%.



P5_Aileron 2-L_F.stl and P5_Aileron 2-R_F.stl

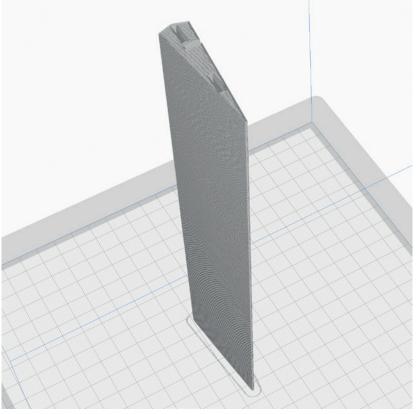
MATERIAL LW-PLA, ~ 12 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• set Brim

TIP to ensure a nice and smooth printed surface in the upper areas, reduce the print speed by about 50%.



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_Aileron 3-L_F.stl and P5_Aileron 3-R_F.stl

MATERIAL LW-PLA, ~ 6 g*
*Weighed (approximate guideline)

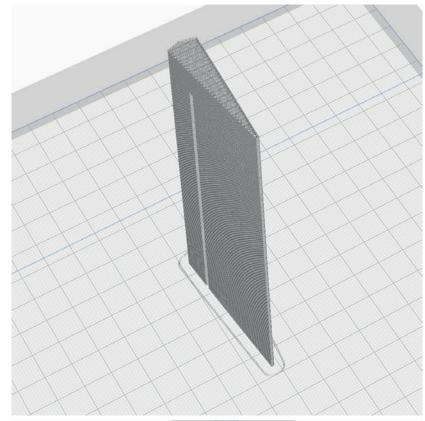
ADDITIONAL SETTINGS

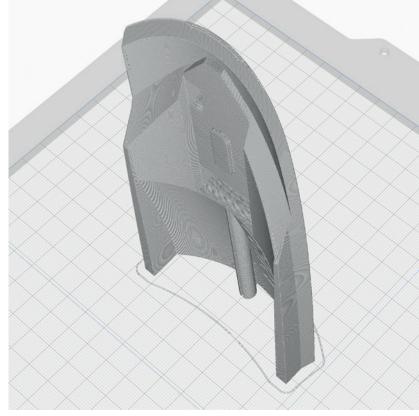
None required

P5_Canopy 1_F.stl

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_Canopy 2_F.stl

MATERIAL LW-PLA, ~ 24 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

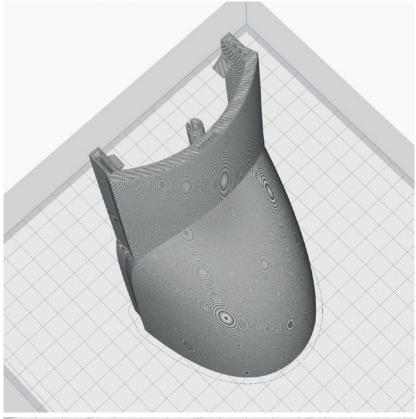
None required

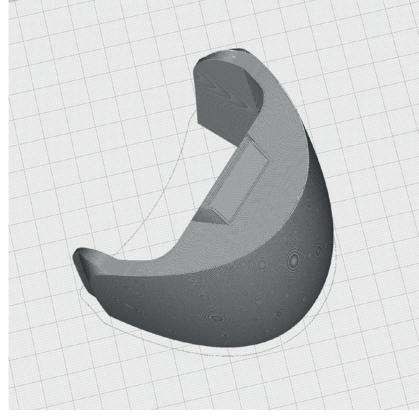


MATERIAL LW-PLA, ~ 20 g*

*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!

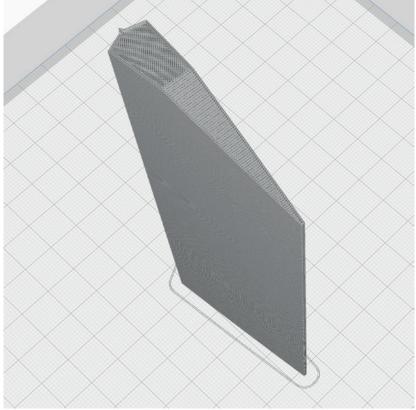
P5_Elevator 1-L_F.stl and P5_Elevator 1-R_F.stl

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

ADDITIONAL SETTINGS

None required

TIP to ensure a nice and smooth printed surface in the upper areas, reduce the print speed by about 50%.



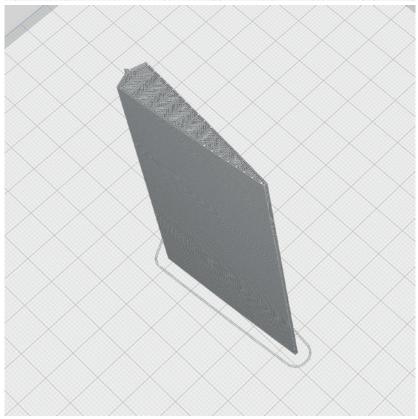
P5_Elevator 2-L_F.stl and P5_Elevator 2-R_F.stl

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

ADDITIONAL SETTINGS

None required

TIP to ensure a nice and smooth printed surface in the upper areas, reduce the print speed by about 50%.



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 1_F.stl

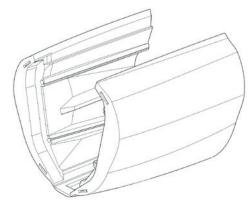
MATERIAL LW-PLA, ~ 46 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

None required

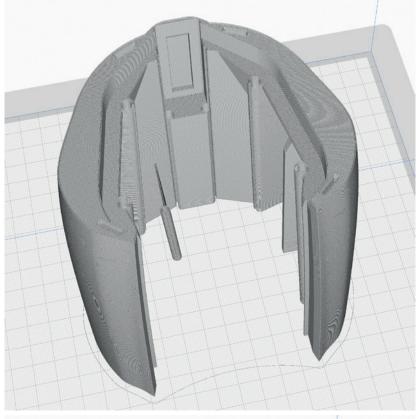
TIP in the "EXTRA FILES" folder there is a variant without the FEARLESS logo.

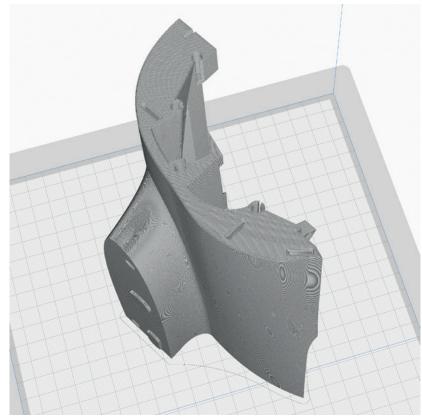


P5_Fuselage 2-L_F.stl and P5_Fuselage 2-R_F.stl

MATERIAL LW-PLA, ~ 47 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!

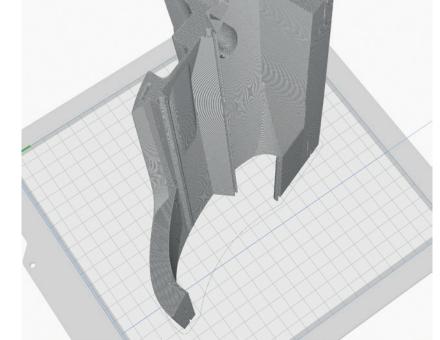
Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment!

P5_Fuselage 3-L_F.stl and P5_Fuselage 3-R_F.stl

MATERIAL LW-PLA, ~ 48 g*
*Weighed (approximate guideline)

ADDITIONAL SETTINGS

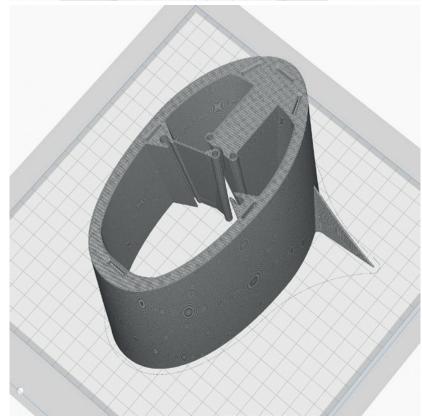
None required



P5_Fuselage 4_F.stl

MATERIAL LW-PLA, ~ 71 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!

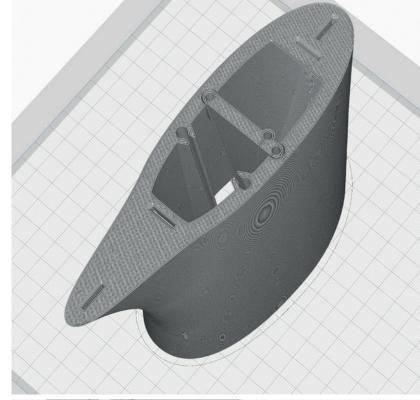
P5_Fuselage 5_F.stl

MATERIAL LW-PLA, ~ 49 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

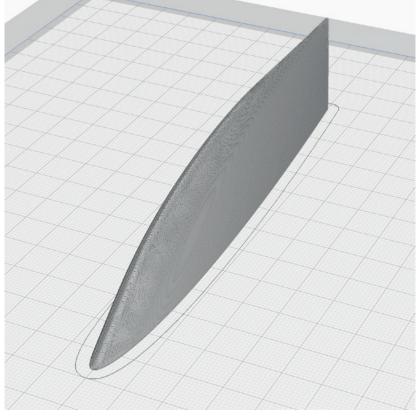
None required



P5_Fuselage 6 top_F.stl

MATERIAL LW-PLA, ~ 4 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!

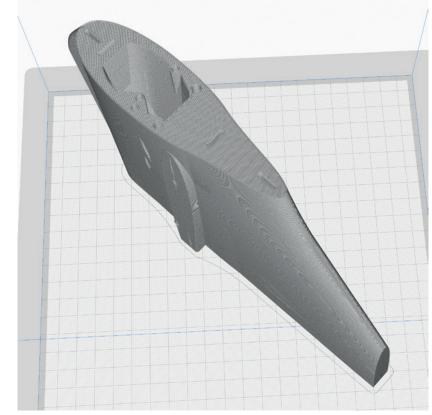
P5_Fuselage 6_F.stl

MATERIAL LW-PLA, ~ 41 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

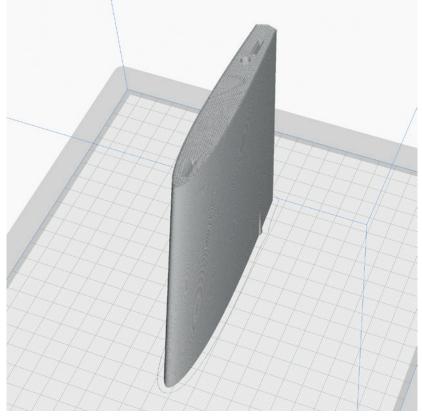
• Z Seam Position: Back Left



P5_HS 1-L_F.stl and P5_HS 1-R_F.stl

MATERIAL LW-PLA, ~ 22 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!

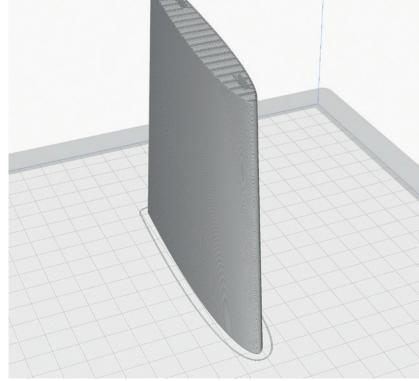
Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5_HS 2-L_F.stl and P5_HS 2-R_F.stl

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

ADDITIONAL SETTINGS

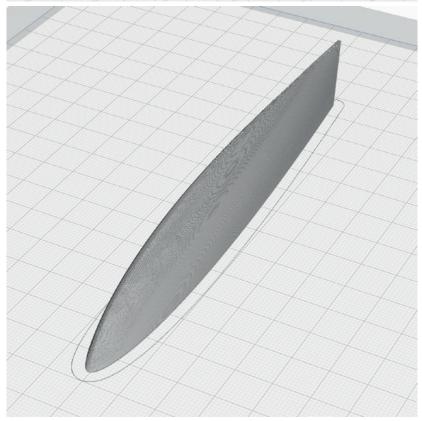
None required



P5_HS-tip-L_F.stl and P5_HS-tip-R_F.stl

MATERIAL LW-PLA, ~ 4 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!

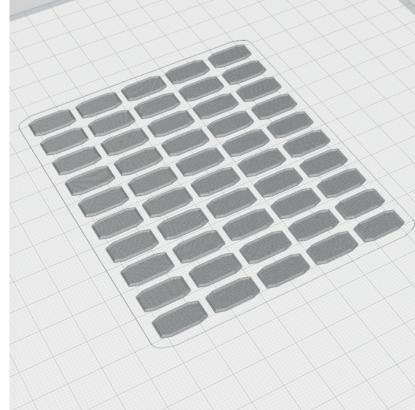
P5_Interconnects50_F.stl

MATERIAL LW-PLA, ~ 3 g*

*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• print this part twice

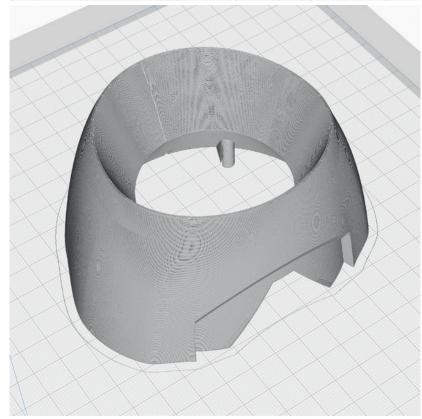


P5_Nose_F.stl

MATERIAL LW-PLA, ~ 20 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_Rudder_F.stl

MATERIAL LW-PLA, ~ 15 g*

ADDITIONAL SETTINGS

*Weighed (approximate guideline)

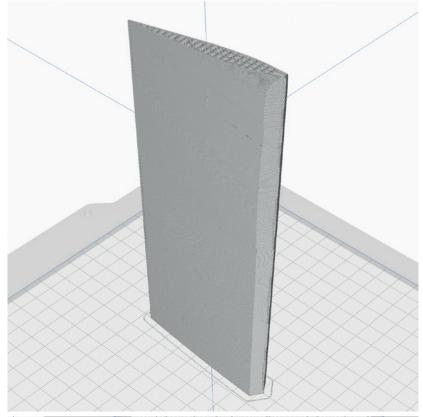
None required

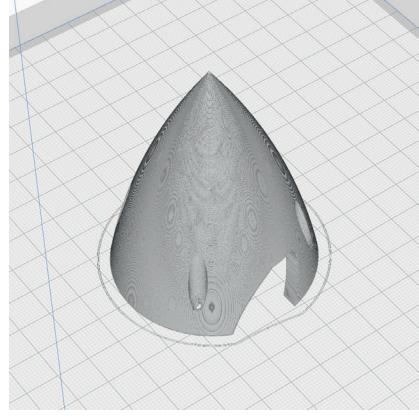


MATERIAL LW-PLA, ~ 8 g*
*Weighed (approximate guideline)

ADDITIONAL SETTINGS

• Infill Density: 12 %





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 1A-L_F.stl and P5_Wing 1A-R_F.stl

MATERIAL LW-PLA, ~ 57 g*
*Weighed (approximate guideline)

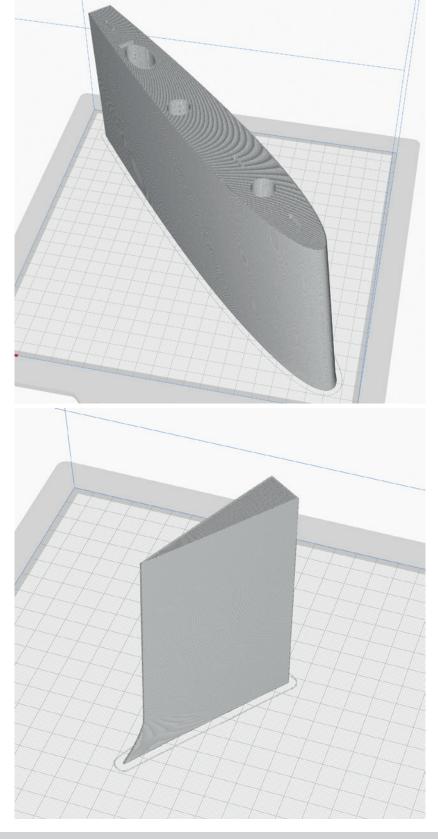
ADDITIONAL SETTINGS

Z Seam Position:L: Back Left/R: Back Right

P5_Wing 1B-L_F.stl and P5_Wing 1B-R_F.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_Wing 2-L_F.stl and P5_Wing 2-R_F.stl

MATERIAL LW-PLA, ~ 83 g*
*Weighed (approximate guideline)

ADDITIONAL SETTINGS

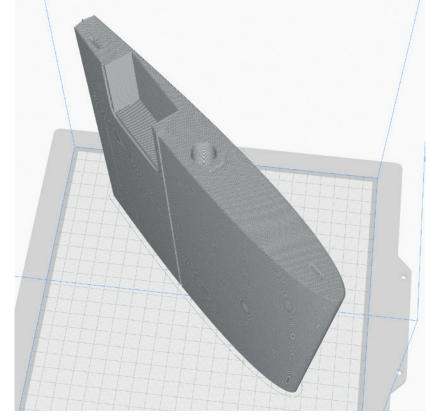
Z Seam Position:L: Back Left/R: Back Right

P5_Wing 3-L_F.stl and P5_Wing 3-R_F.stl

MATERIAL LW-PLA, ~ 64 g*
*Weighed (approximate guideline)

ADDITIONAL SETTINGS

Z Seam Position:L: Back Left/R: Back Right



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 4A-L_F.stl and P5_Wing 4A-R_F.stl

MATERIAL LW-PLA, ~ 35 g*
*Weighed (approximate guideline)

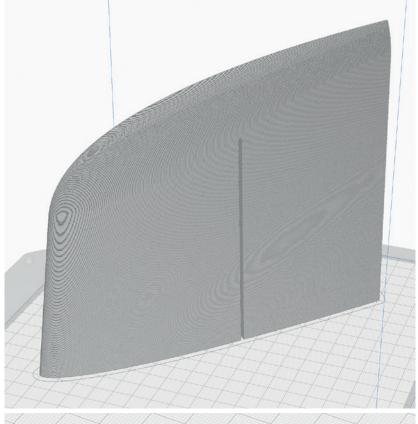
ADDITIONAL SETTINGS

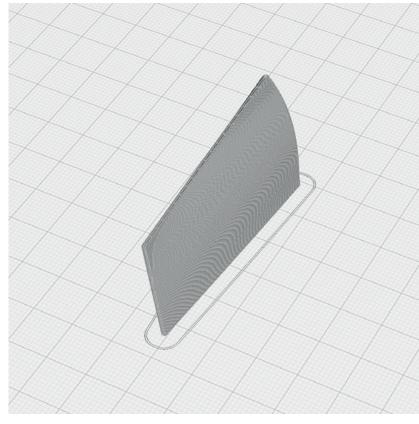
Z Seam Position:L: Back Right/R: Back Left

P5_Wing 4B-L_F.stl and P5_Wing 4B-R_F.stl

MATERIAL LW-PLA, ~ 2 g*
*Weighed (approximate guideline)

ADDITIONAL SETTINGS





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.

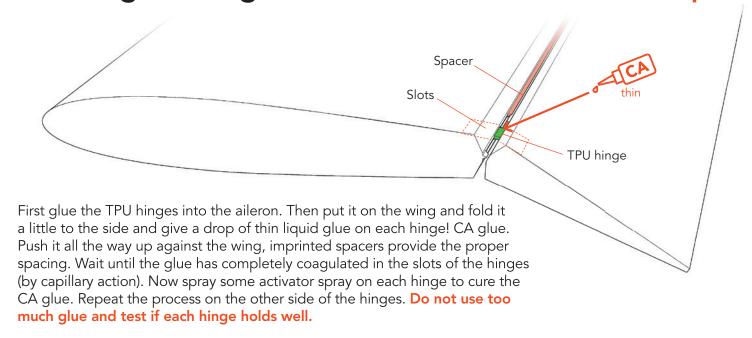
Use medium viscosity CA glue, thinner glue would run down the parts too easily.

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.



Installing the hinges - rudder/elevator/ailerons/flaps



Wings assembly

First glue the Maingear plate in wing 2. Spread the CA glue over the entire surface to create a stable connection! P5_Interconnects50_F.stl P2_Maingear plate-L_F.stl P5_Wing 1A-L_F.stl P5_Wing 1B-L_F.stl P5_Wing 2-L_F.stl P5_Wing 2-L_F.stl Assemble the wing and the aileron separately and then add the aileron to the wing. P5_Aileron 1-L_F.stl P5_Wing 3-L_F.stl P5_Aileron 2-L_F.stl Follow the instructions "Installing the hinges" on page $\bar{3}3$. P5_Wing 4A-L_F.stl P4_Hinges_F.stl P5_Aileron 3-L_F.stl



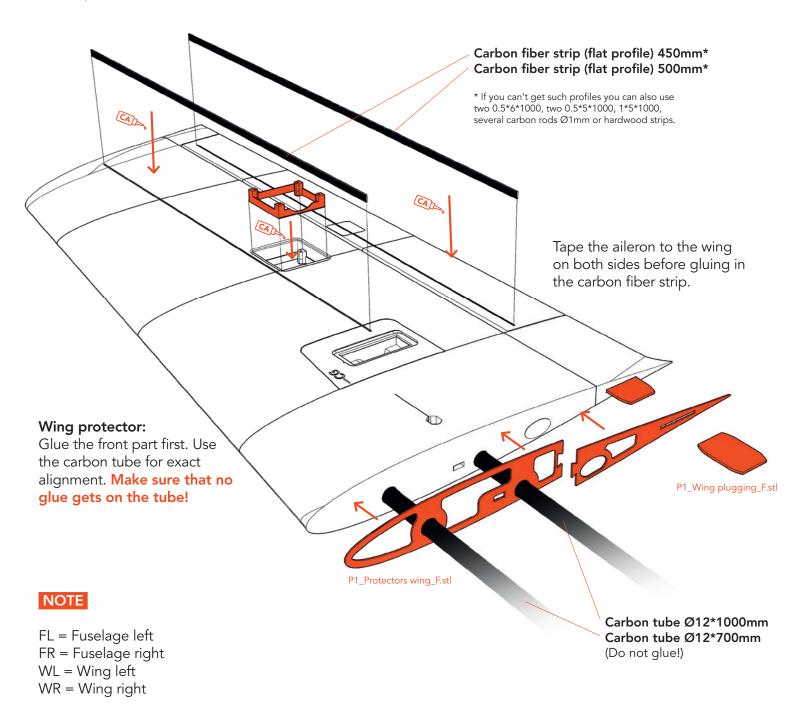
P5_Wing 4B-L_F.stl

Wings assembly

Shorten and insert the carbon strips first into the gaps on the wing. Make sure that they do not protrude above the surface of the wing, if they are a little lower, that's okay. Then apply a generous amount of **thin CA glue along the entire length**. The glue spreads through the capillary effect and bonds the strips to the wing over a large area. **The carbon strips should be degreased and roughened with sandpaper!**

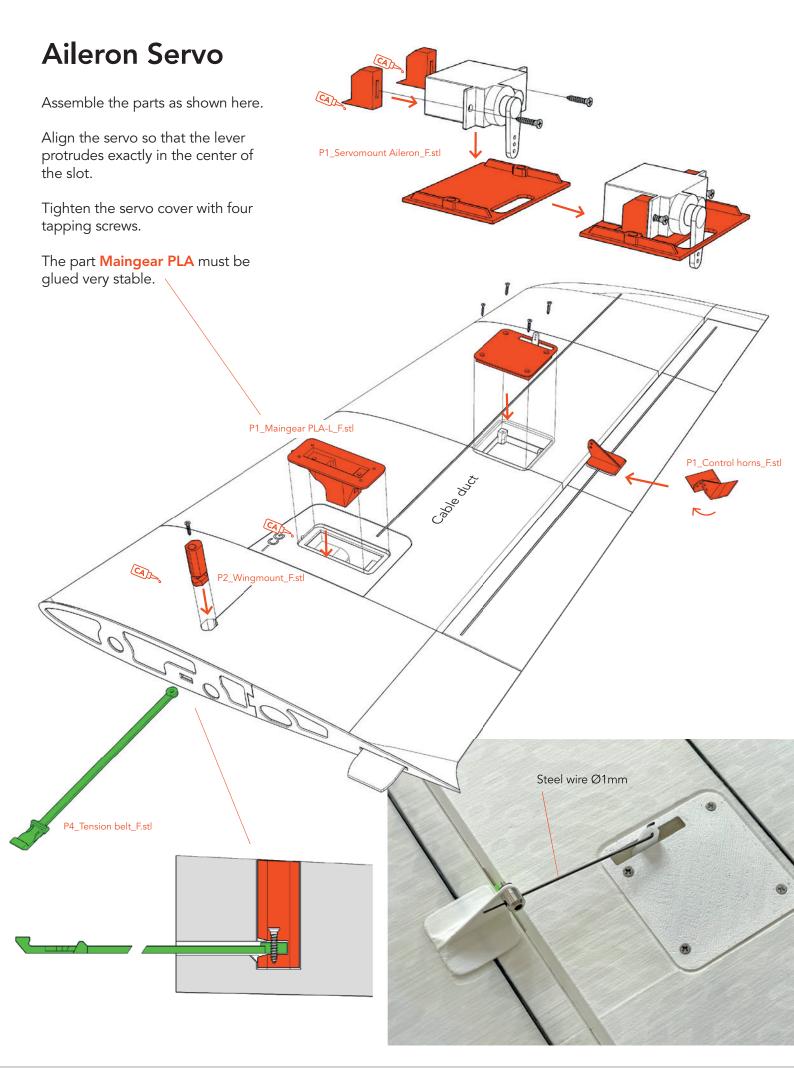
If you don't have carbon strips or similar materials available, print the STL Spar_p1_F.stl from PLA or better Tough PLA several times and glue it as described.



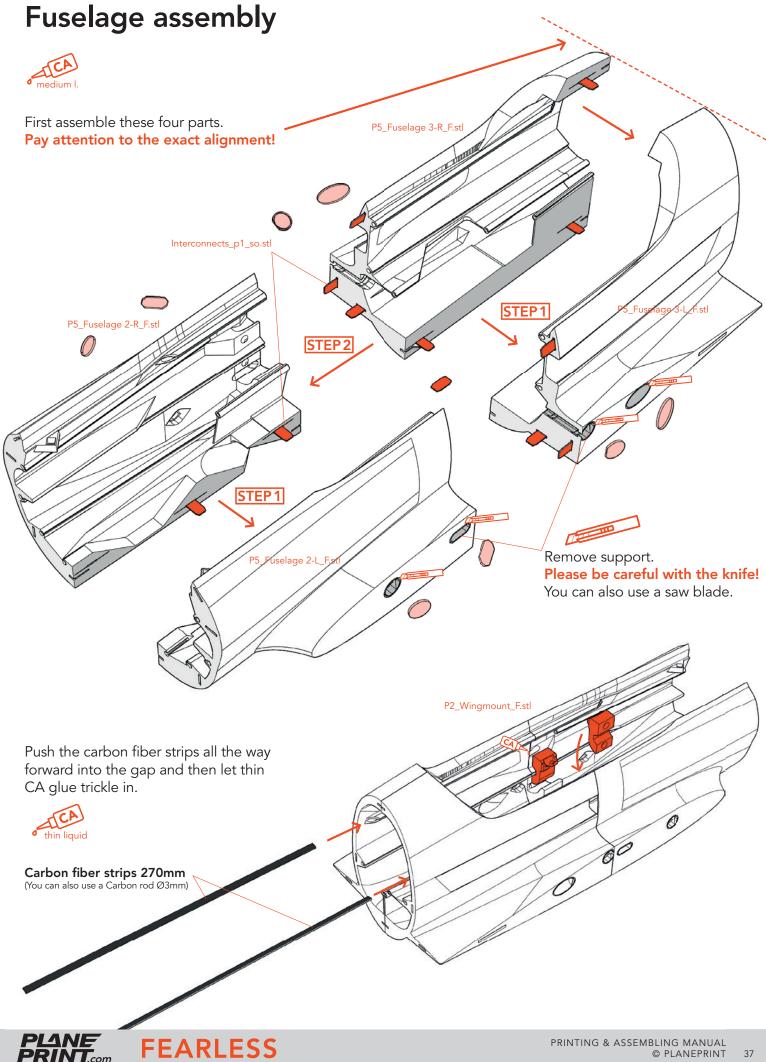


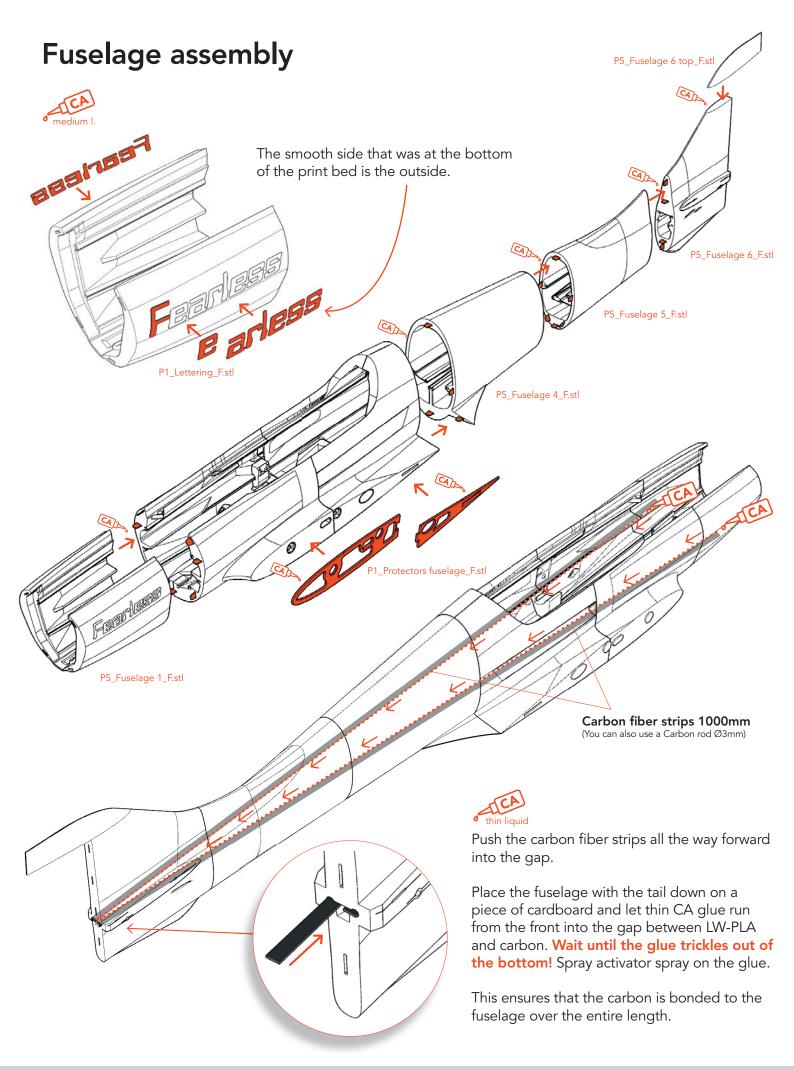
The inscription is the side of the adhesive surface!



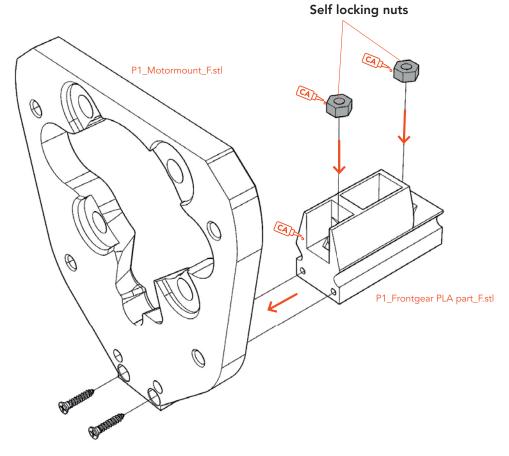


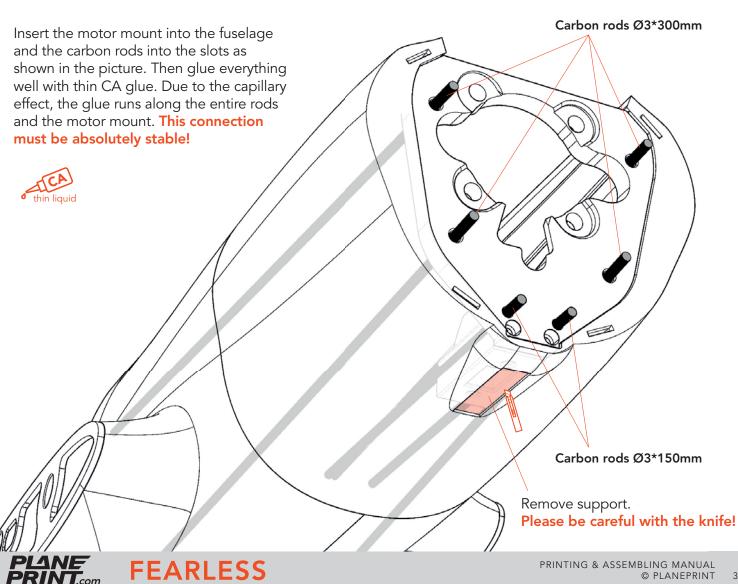


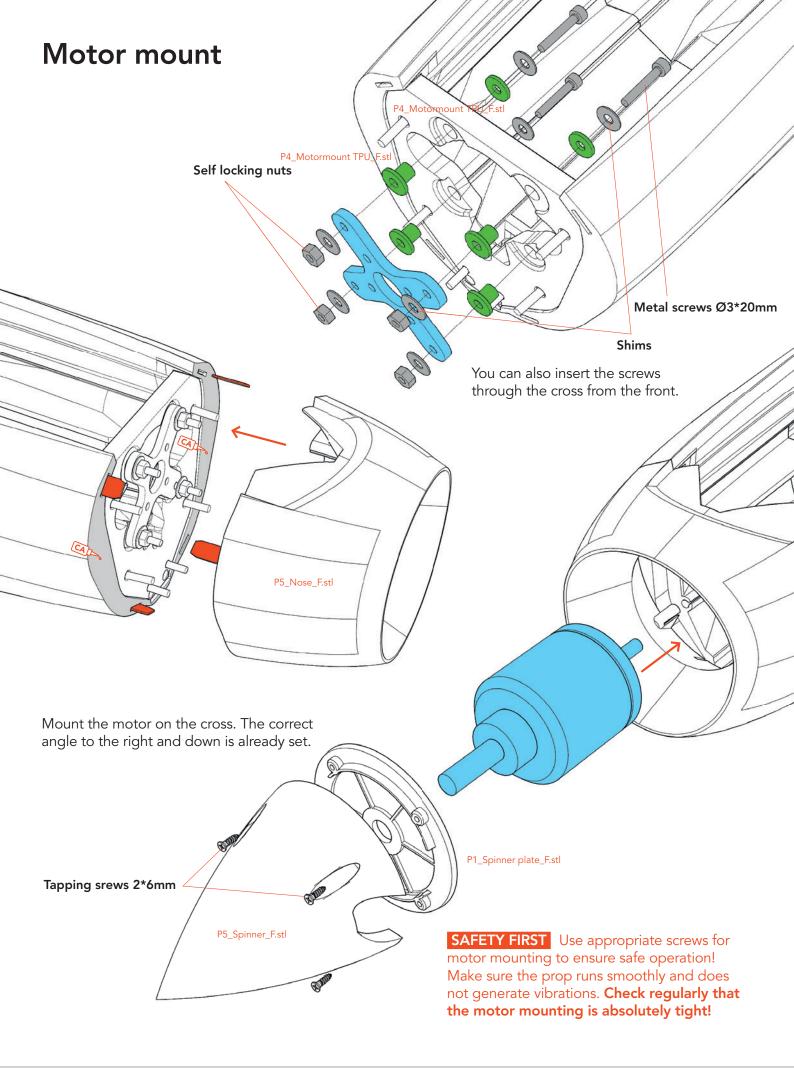


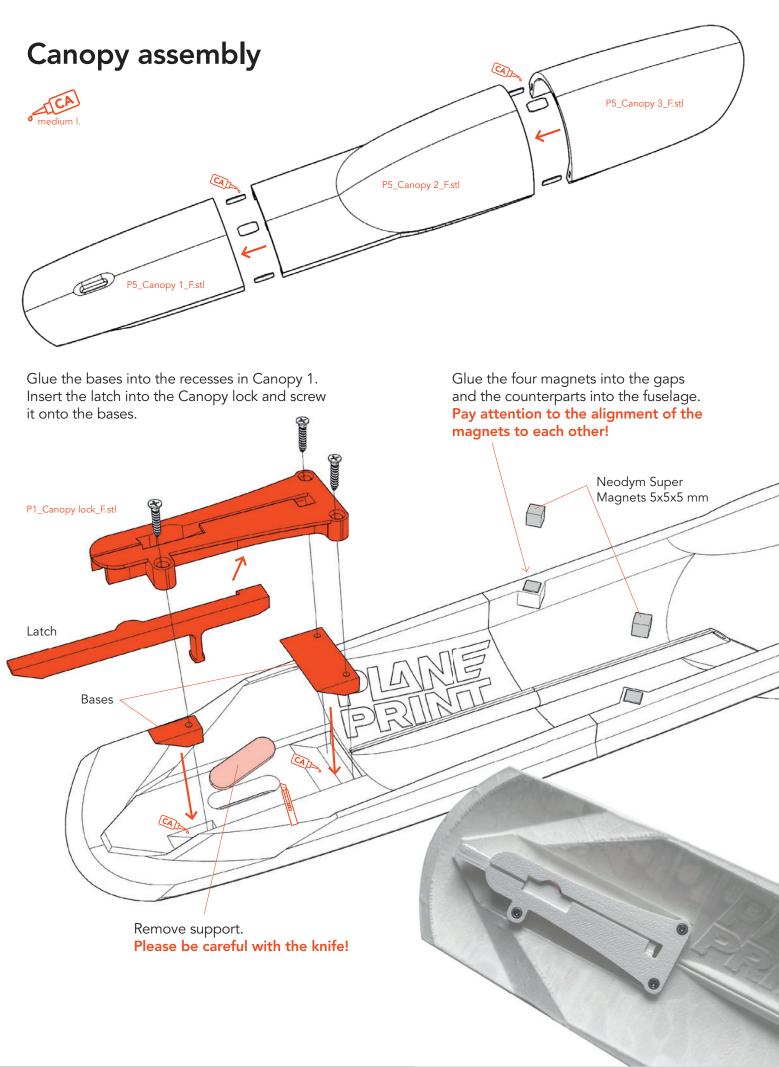


Motor mount

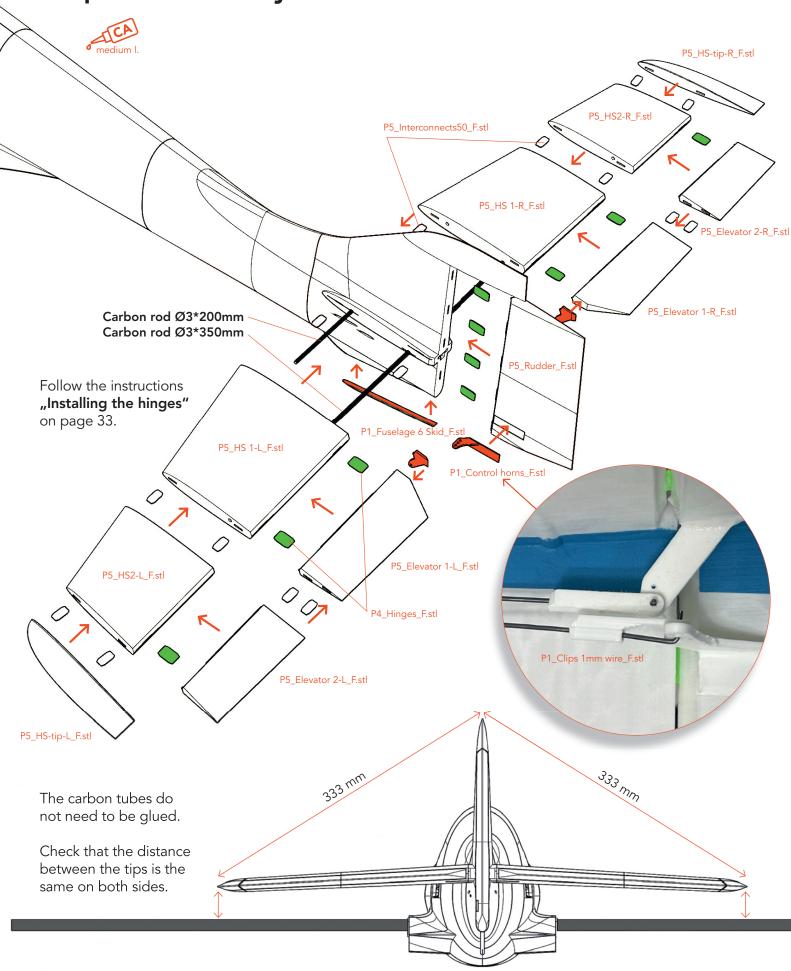




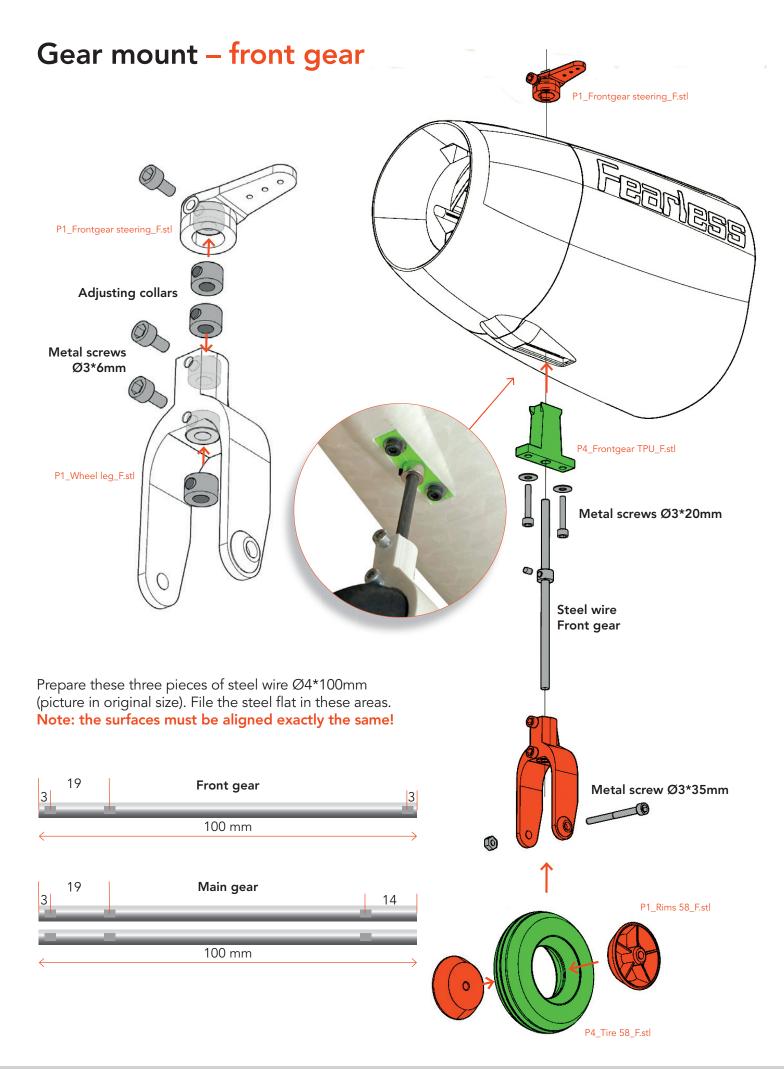


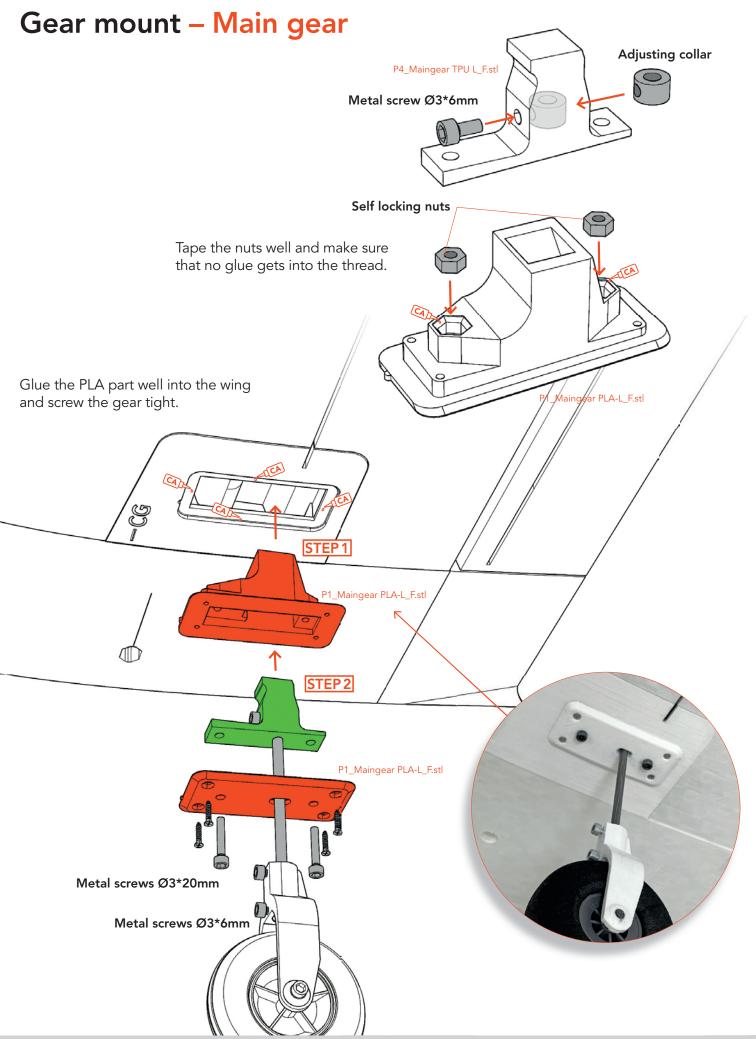


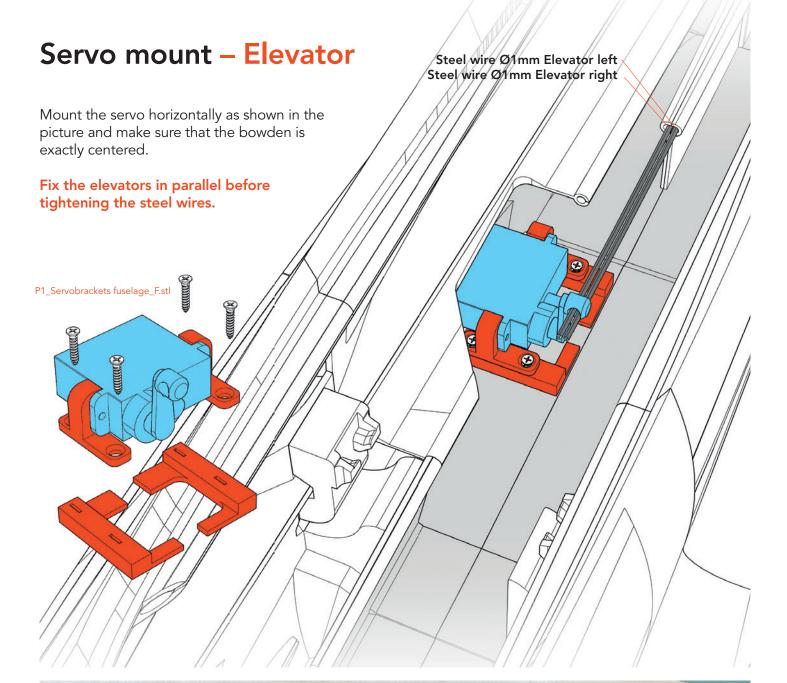
Tailplane assembly

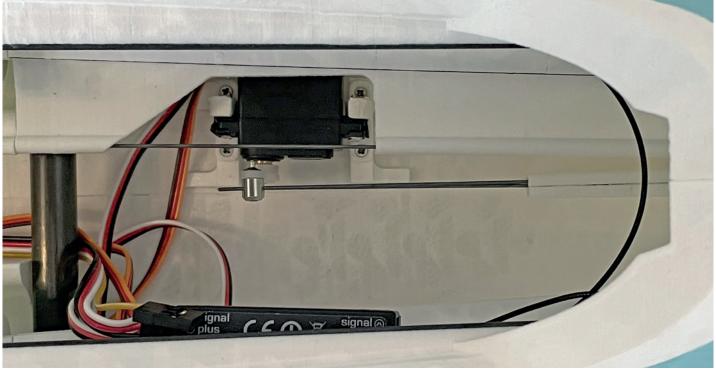


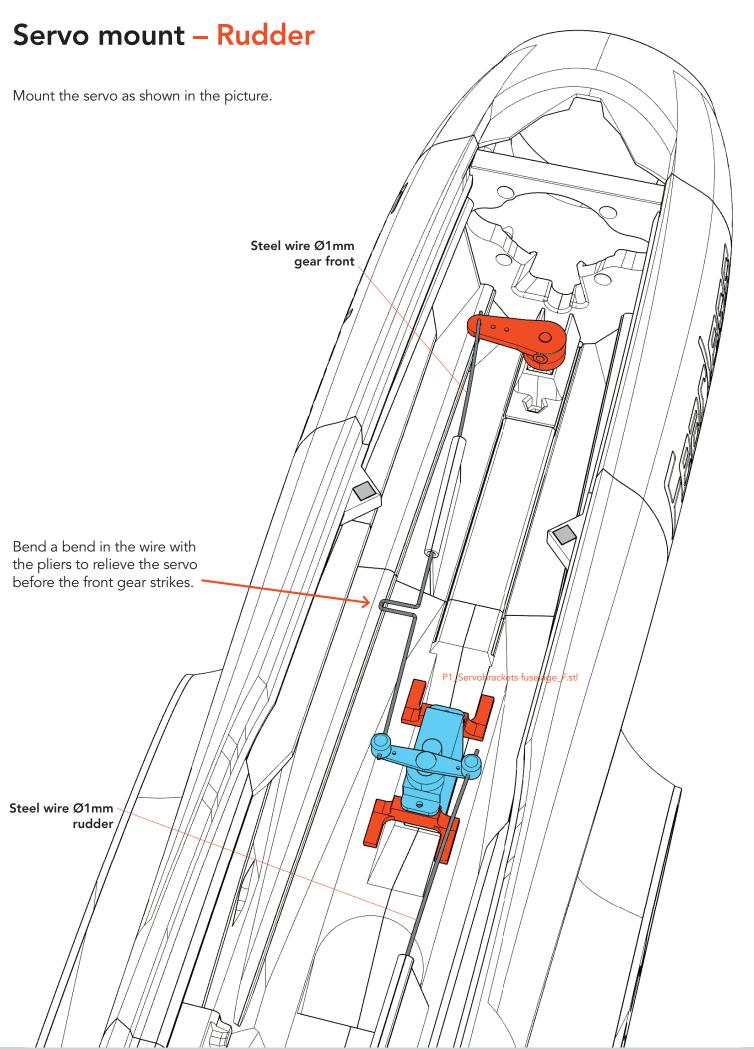


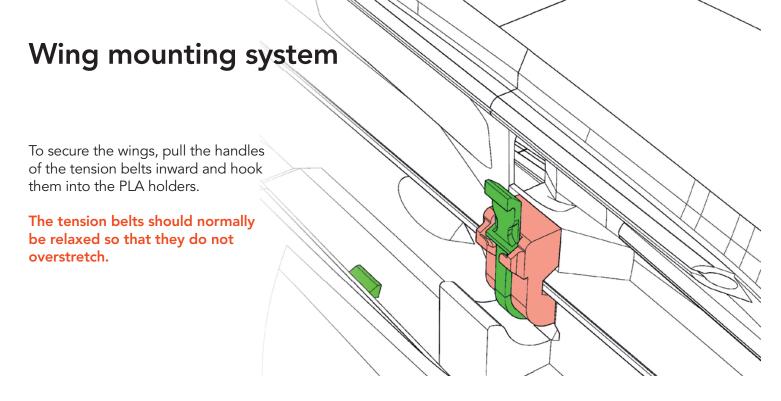




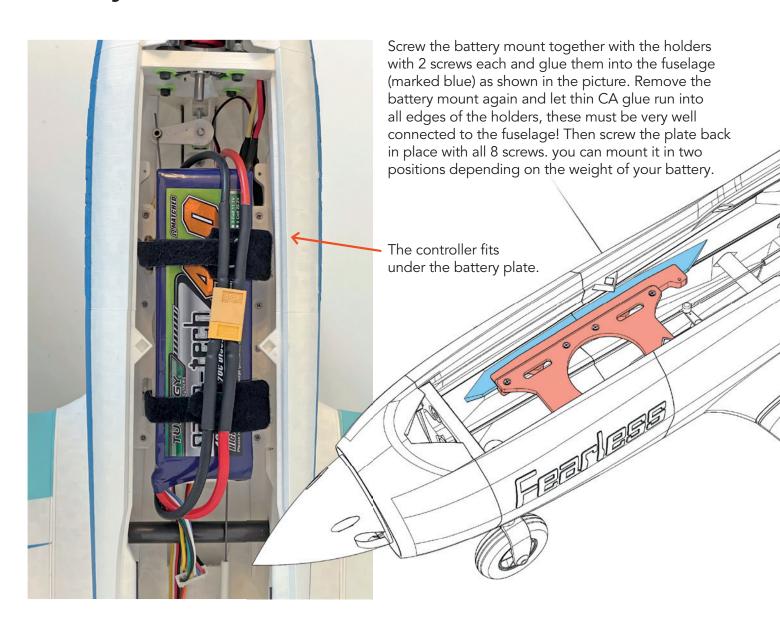




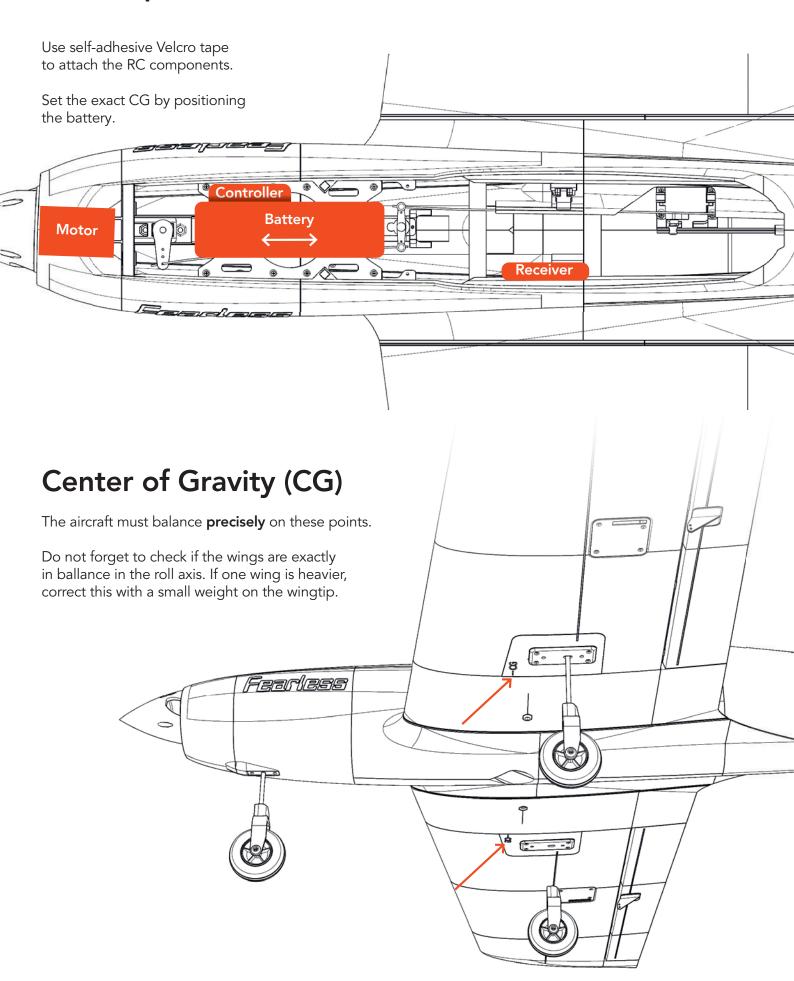




Battery mount



RC components



Technical specifications



Settings for flying

When checking the control directions, look at the aircraft from behind.





Elevator down



Aileron left



Aileron right



Rudder left



Rudder right

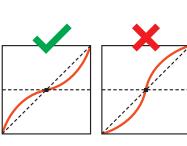


Expo setting

ELEVATOR 30 %

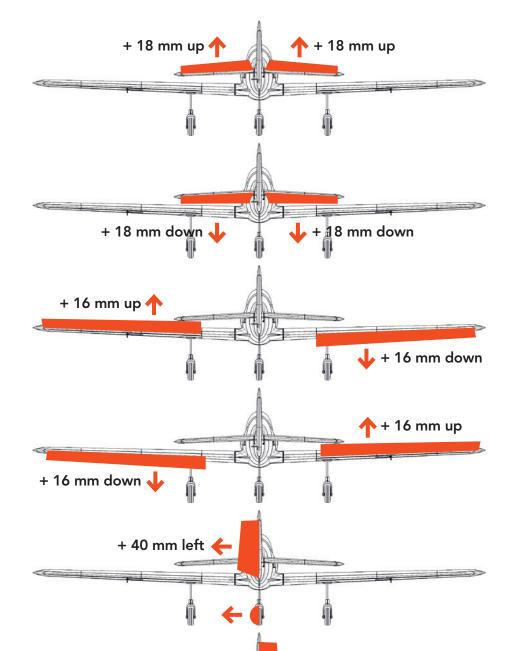
AILERON 30 %

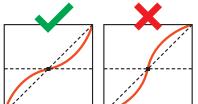
RUDDER 20 %



(for some remote controls a minus has to be in front of the number)

+ 40 mm right





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!

