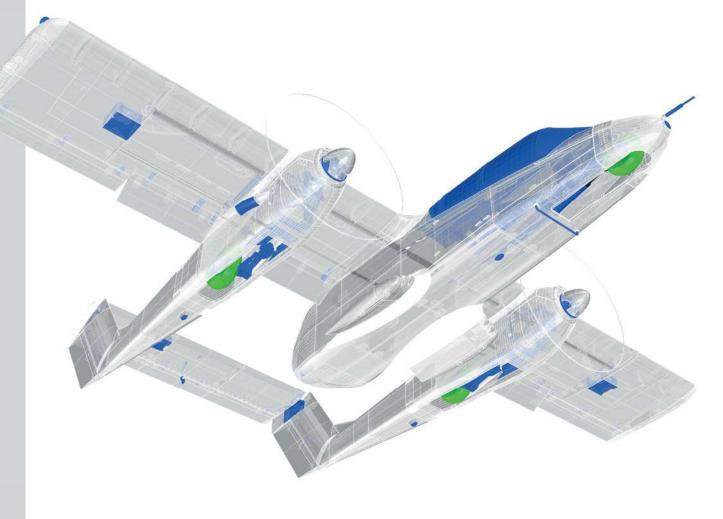
PLANE PRINT



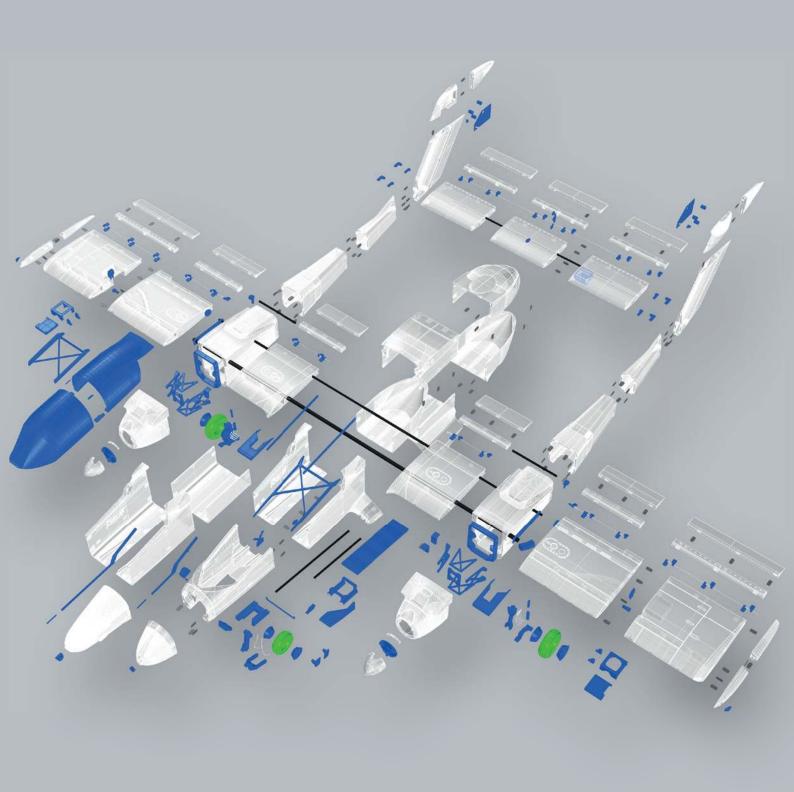
PLANE OV10 Bronco

Twin-engine Aircraft with landing flaps and retractable landing gear





PLANE OVIO Bronco







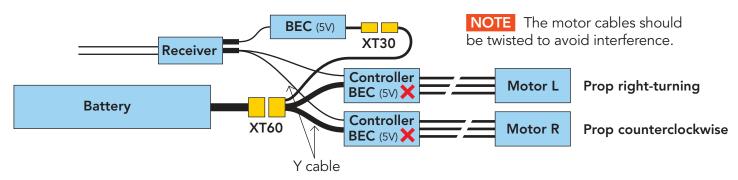
RC Components

MOTORS 2 pieces, for example: • PLANET-HOBBY JOKER 3542-6,5 V3 800 KV BRUSHLESS MOTOR

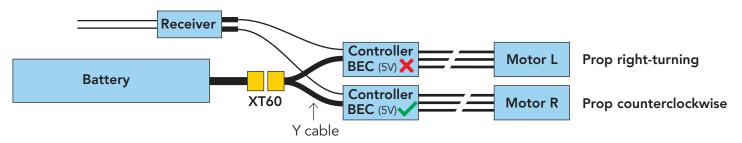
PROPELLER 3 blade Prop 10*7 like Master Airscrew, 1 piece clockwise and 1 piece conterclockwise! or 2 blades 12*7 (is very close to the ground when the gear deflects!)

CONTROLLERS suitable for your Motors, **2 pieces**

OPTION 1: you can either use two controllers without BEC and an external supply for the servos.



OPTION 2: two BEC controllers and **deactivate** the BEC on **one** of them (Pull the red + cable out of the plug)



RECEIVER 9 Channel

BATTERY 4S LiPo-Akku, 3500 - 4500 mAh (Ideal weight 300 to 400 grams)

SERVOS 6 pieces max 12 mm thick, for example: • Hitec HS55 • Savöx SH-0254

2 Servos max 9 mm thick, for example: • PLANET-HOBBY ECO Plus Picco 8

• Hitec HS 40 Eco Servo 4,8g

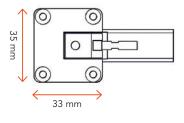
SERVO CABLE cross section 0.25 qmm, twisted cable, 4 meters

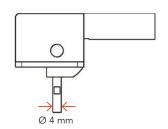
(We recommend soldering the cables instead of using plug-in extensions) Servo cable extension with plugs 50 mm, 2 pieces

MOTOR CABLE cross section 1.5 gmm (to extend the distance between controller and motor)

SERVOLESS RETRACTS Two normal and one steerable Nose Wheel, size M







Required accessoires - basic equipment

Links to recommended accessories can be found on www.planeprint.com/ov10 (scroll down)

- LW-PLA (cannot be replaced by PLA!), ~1100 grams
- PLA oder better Tough PLA, ~400 grams
- LW-TPU Colorfabb VarioShore (A95 possible), ~100 grams

Materials

- CA super glue (liquid and liquid medium)
- CA activator
- some tapping screws Ø2mm
- Metal screw 3*8mm, 5 pieces
- Metal screw 3*20mm, 11 pieces
- Metal screw 3*35mm, 3 pieces
- Metal screw 3*6mm (or grub screw), 5 pieces
- Metal screw nut 3mm, 7 pieces
- Carbon tube Ø10mm*1000mm (inside 8mm), 1 piece
- Carbon tube Ø6*1000mm, 2 pieces
- Carbon fiber strip (flat profile) 1*5*1000mm, 1 piece (Can also be replaced by a carbon rod Ø3mm)
- Steel wire Ø1*1000mm, 3 pieces
- Rod connection hole Ø1 to 2mm, 8 pieces
- Ball bearings 3x6x2,5mm, 6 pieces
- Self-adhesive Velcro tape
- Velcro strap

Tools

Cutter knife, small Philips screwdriver, Sandpaper grain ~150, Metal saw, Needle nose pliers, Soldering tool











The development of a complex, airworthy RC flight model to express on any standard 3D printer is a very 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!

Printing the parts – Printing profiles

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

To print all **PLANEPRINT** models **you need to set some basic profiles in Cura** (If you use another slicer, please set the same parameters).

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

For this model you need the following profiles:



NOTE When printing the OV-10 Bronco you should pay particular attention to a light weight of **each** individual part, since the necessary installations are already very heavy in total (Gear, Motors, battery, many servos and cables ...).

The heavier the flying weight becomes, the more carefully you have to fly it!

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.





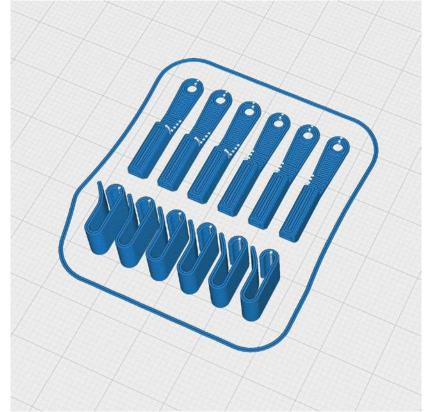
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Clips-br.stl

MATERIAL Tough PLA, Weight: ~ 3 g

ADDITIONAL SETTINGS

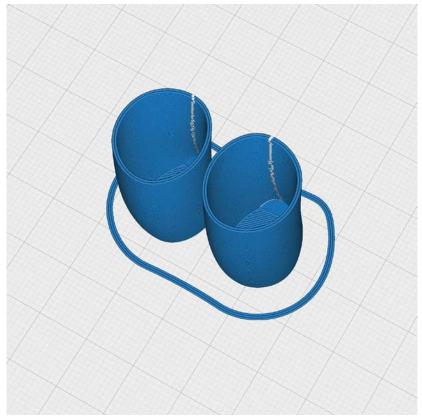
None required



P1_Exhaust-br.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS





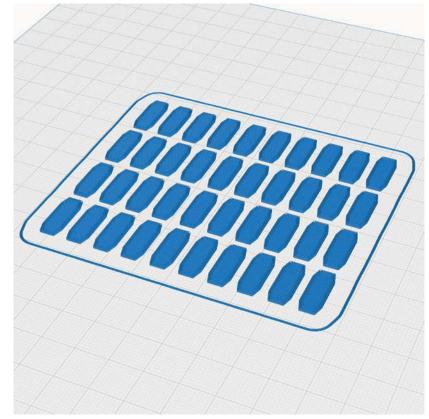
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Interconnects-br.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS

• Print this part 3 times

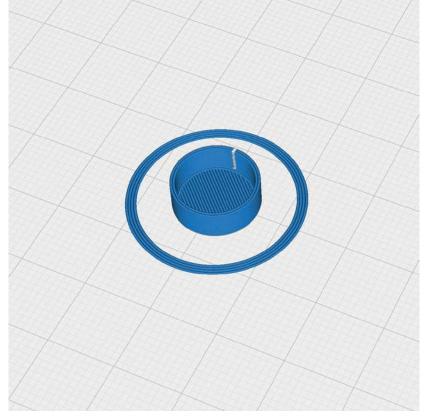


P1_Landing light A version-br.stl

MATERIAL PLA, Weight: ~ 0 g

ADDITIONAL SETTINGS

• Transparent filament recommended





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

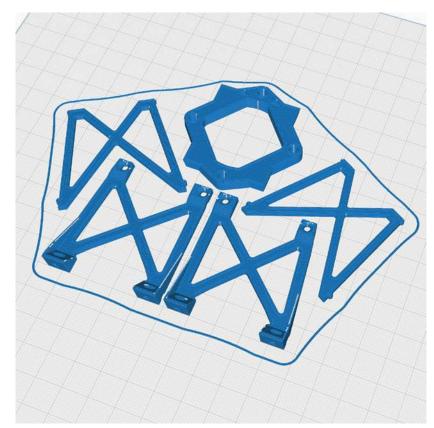
P1_Motormount 42-br.stl

MATERIAL Tough PLA, Weight: ~ 14 g

ADDITIONAL SETTINGS

• Print this part 2 times

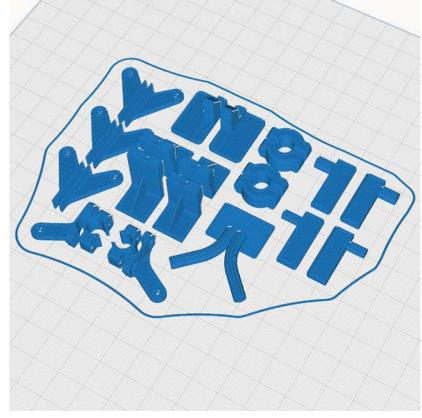
These parts hold the motor and must be **absolutely stable!** Ensure good layer adhesion.



P1_Parts 1-br.stl

MATERIAL Tough PLA, Weight: ~ 17 g

ADDITIONAL SETTINGS





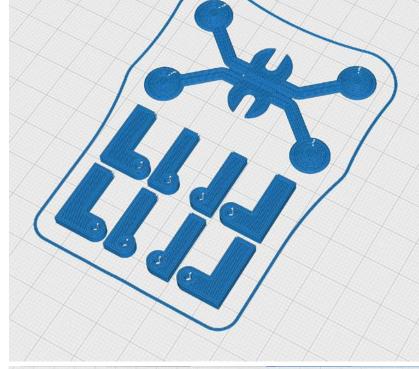
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Parts 2-br.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

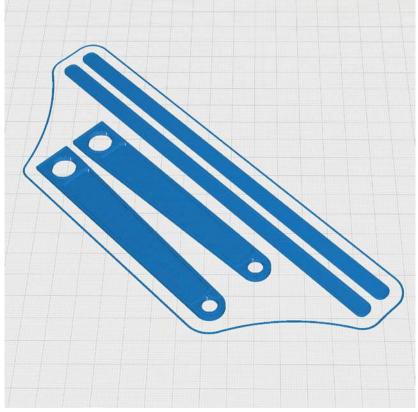
None required



P1_Parts 3-br.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS





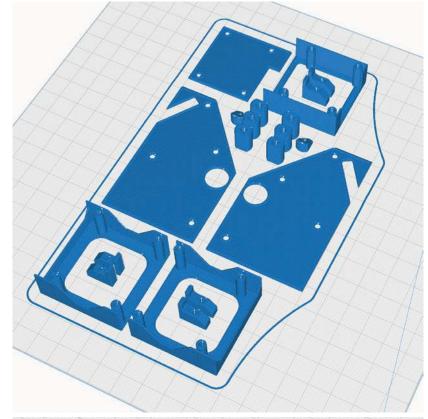
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Servo mount-br.stl

MATERIAL PLA, Weight: ~ 24 g

ADDITIONAL SETTINGS

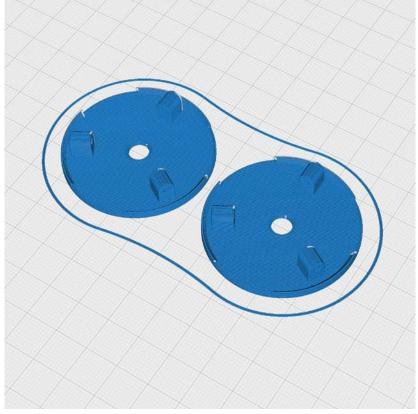
None required



P1_Spinner Plates 6mm-br.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS



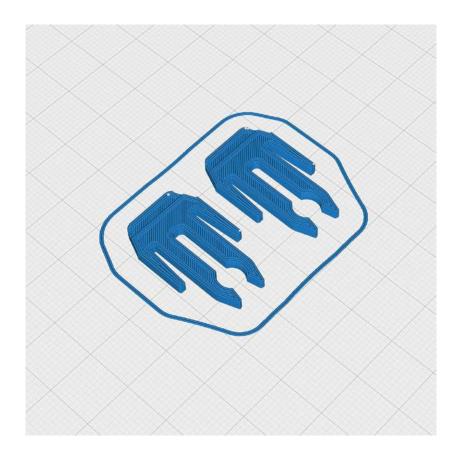


The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Wing Clips-br.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

V_Canopy back-br.stl

MATERIAL PLA, ~ 34 g

SETTINGS

• Layer Height: 0.25 mm

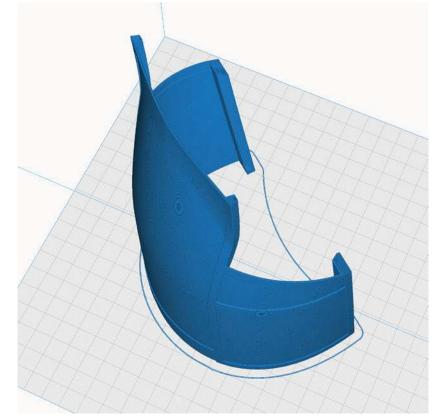
• Wall Line Count/Perimeters: 1

 Spiralize Outer Contour (Cura)/ Spiral Vase (Prusa)

• Top and Bottom Layers: 0

• Set Brim

Transparent filament recommended



V_Canopy front-br.stl

MATERIAL PLA, ~ 42 g

SETTINGS

• Layer Height: 0.25 mm

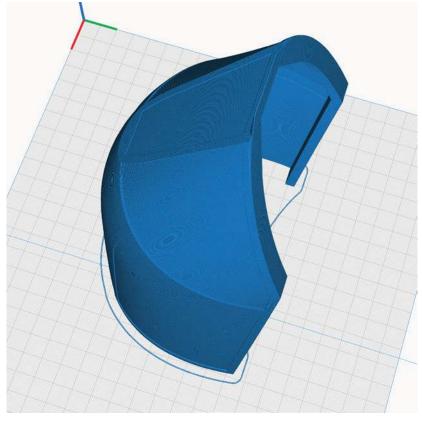
• Wall Line Count/Perimeters: 1

 Spiralize Outer Contour (Cura)/ Spiral Vase (Prusa)

• Top and Bottom Layers: 0

• Set Brim

Transparent filament recommended





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

V_Landing light D version-br.stl

MATERIAL PLA, ~ 0 g

SETTINGS

- Layer Height: 0.25 mm
- Wall Line Count/Perimeters: 1
- Spiralize Outer Contour (Cura)/ Spiral Vase (Prusa)
- Top and Bottom Layers: 0

Transparent filament recommended

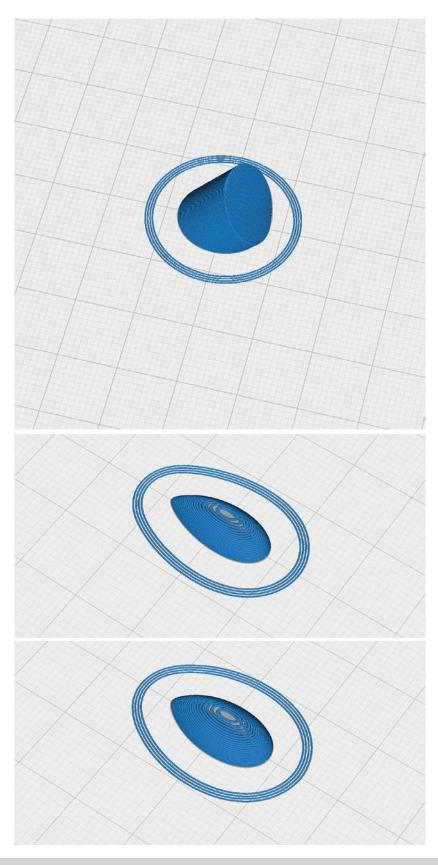
V_Light 1-br.stl 2 pieces V_Light 2-br.stl 4 pieces

MATERIAL PLA, ~ 0 g

SETTINGS

- Layer Height: 0.25 mm
- Wall Line Count/Perimeters: 1
- Spiralize Outer Contour (Cura)/ Spiral Vase (Prusa)
- Top and Bottom Layers: 0

Transparent filament recommended





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Battery plate-br.stl

MATERIAL PLA, Weight: ~ 34 g

ADDITIONAL SETTINGS

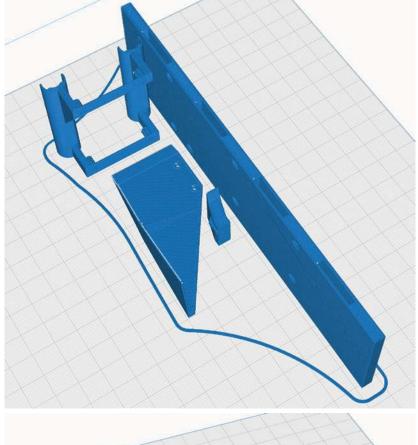
None required

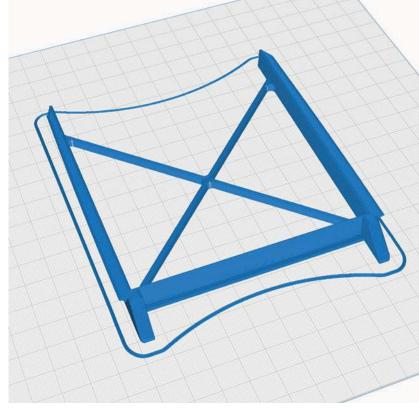
P2_Canopy cross-br.stl

MATERIAL PLA, Weight: ~ 6 g

ADDITIONAL SETTINGS

- Wall Line Count/Perimeters: 1
- Infill Density/Fill Density: 6 %









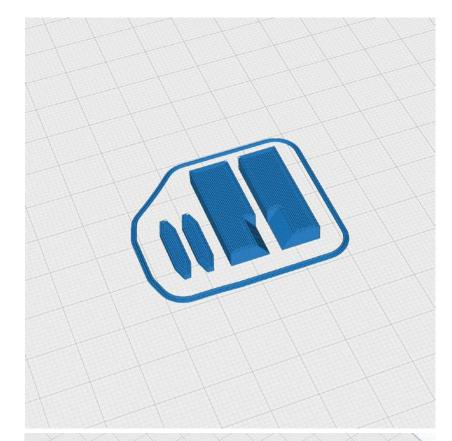
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Canopy interconnects-br.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

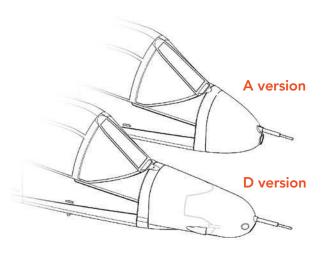
None required

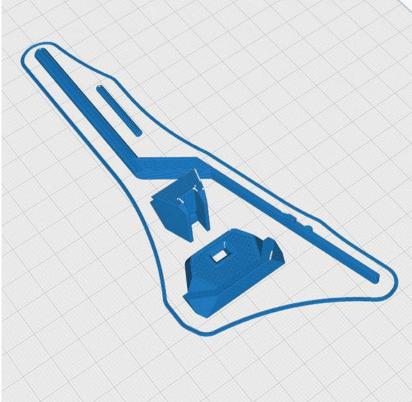


P2_Canopy lock A version-br.stl or P2_Canopy lock D version-br.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS







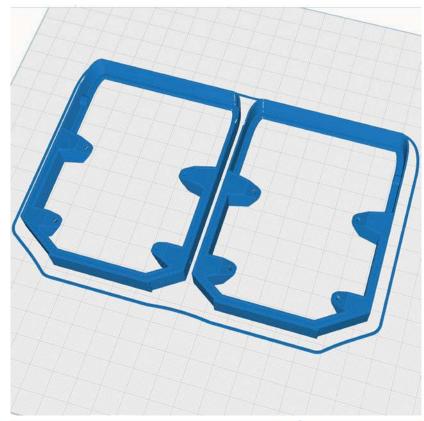
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_FUS 2 frames-br.stl

MATERIAL PLA, Weight: ~ 18 g

ADDITIONAL SETTINGS

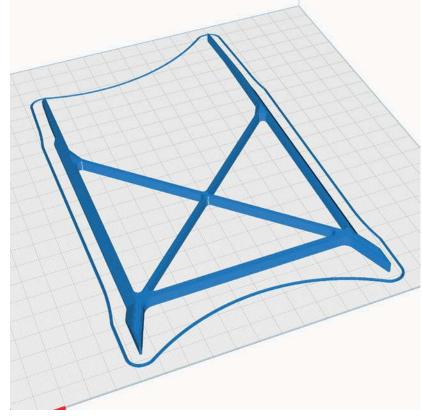
None required



P2_FUS M2 cross-br.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS





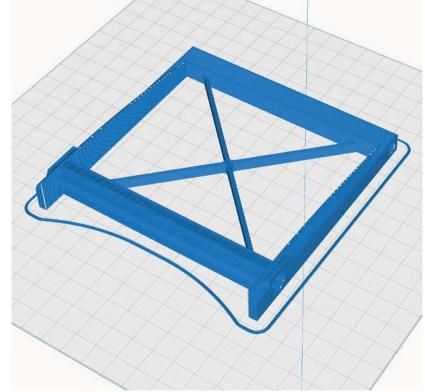
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_FUS M3 cross-br.stl

MATERIAL PLA, Weight: ~ 23 g

ADDITIONAL SETTINGS

None required

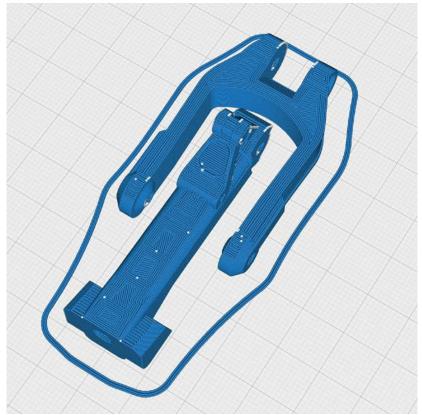


P2_Gear front-br.stl

MATERIAL PLA, Weight: ~ 12 g

ADDITIONAL SETTINGS

- Wall Line Count/Perimeters: 5
- Top Layers: 5
- Bottom Layers: 5





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Gear L-br.stl and P2_Gear R-br.stl

MATERIAL PLA, Weight: ~ 15 g

ADDITIONAL SETTINGS

• Wall Line Count (Perimeters): 5

Top Layers: 5

• Bottom Layers: 5



P2_Gear mount-br.stl

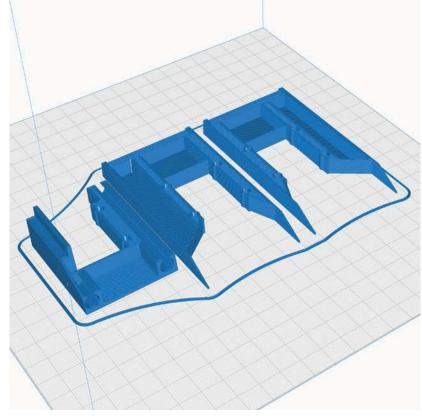
MATERIAL PLA, Weight: ~ 29 g

ADDITIONAL SETTINGS

• Wall Line Count/Perimeters: 3

• Top Layers: 3

• Bottom Layers: 3





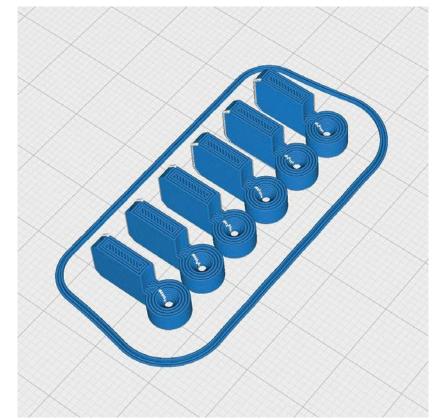
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Hinges-br.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS

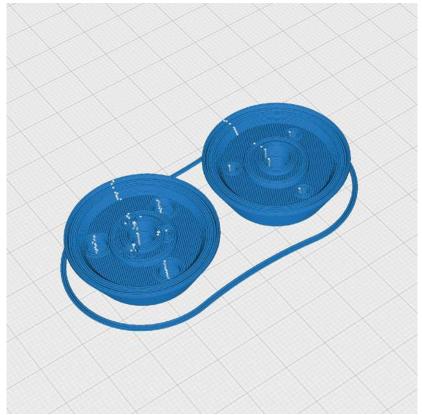
• Print this part 9 times



P2_Rim front bb-br.stl

MATERIAL PLA, Weight: ~ 6 g

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Rim main bb-br.stl

MATERIAL PLA, Weight: ~ 9 g

ADDITIONAL SETTINGS

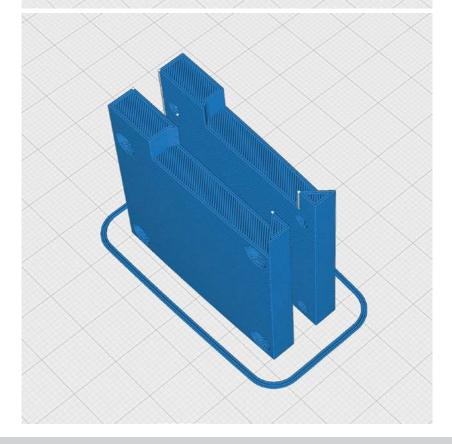
• Print twice

P2_Servo covers AIL-br.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

- Wall Line Count/Perimeters: 1
- Infill Density/Fill Density: 6 %





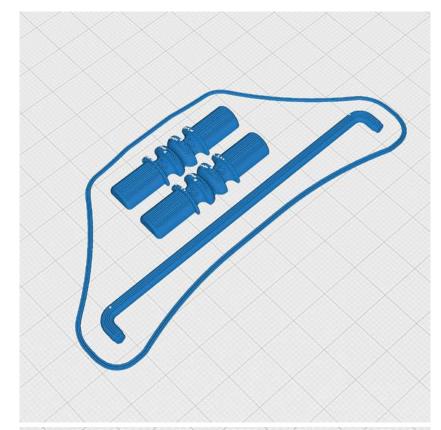
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Wing mount-br.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS

None required



P2_Carbon tool 10mm.stl and P2 Carbon tool 6mm.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS





PROFILE P4_Flex LW TPU (VarioShore)



The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Tire front_br.stl and P4_Tire main_br.stl (print twice)

MATERIAL LW TPU, Weight: ~ 18/27 g

ADDITIONAL SETTINGS

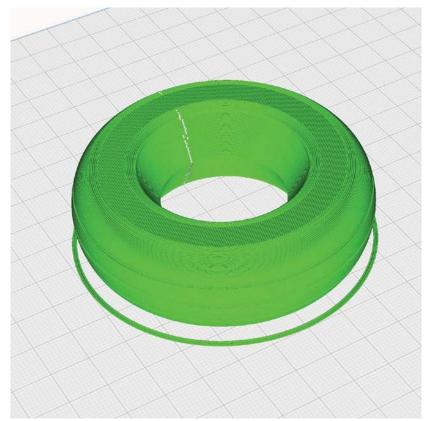
VarioShore with Flow 70 %:

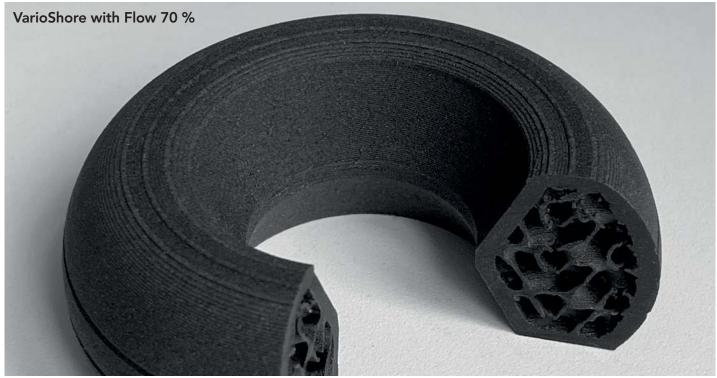
Wall Line Count: 5
Top Layers: 5
Bottom Layers: 5
Infill Density: 15 %
Infill Pattern: Gyroid

TPU A95:

Wall Line Count: 3Top Layers: 3

• Infill Pattern: Gyroid









The information about the basic settings you can find on our website at PRINT. 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!

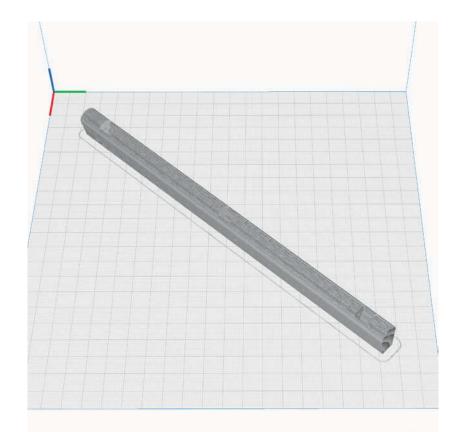
P5_AIL 1 L-br.stl and P5_AIL 1 R-b.rstl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

None required

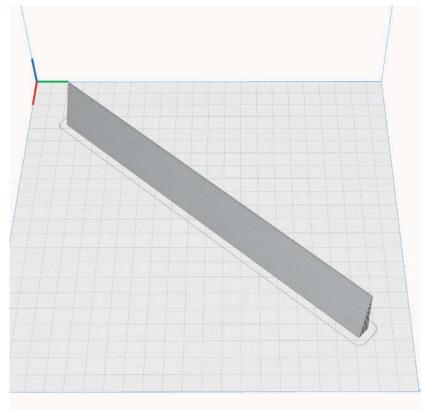


P5_AIL 2 L-br.stl and P5_AIL 2 R-br.stl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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!

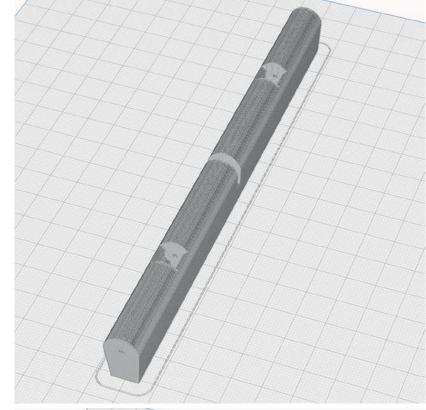
P5_ELE 1-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

None required

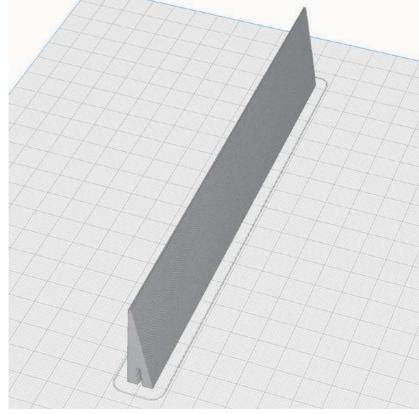


P5_ELE 2-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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_ELE 3-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

• print twice

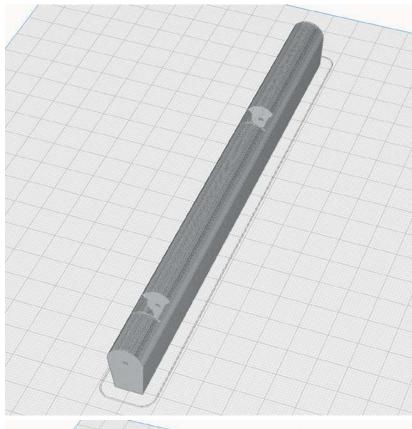
P5_ELE 4-br.stl

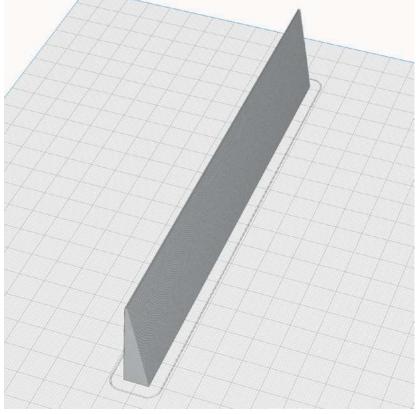
MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

print twice







The information about the basic settings you can find on our website at PRINT. 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-br.stl and P5_Flap 1 R-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

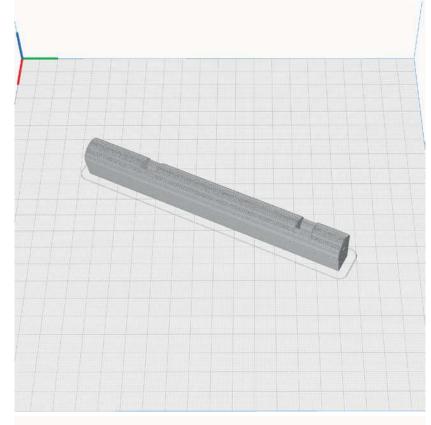
None required

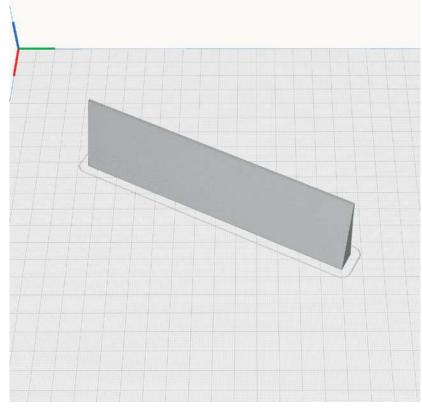
P5_Flap 2 L-br.stl and P5_Flap 2 R-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. 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-br.stl and P5_Flap 3 R-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

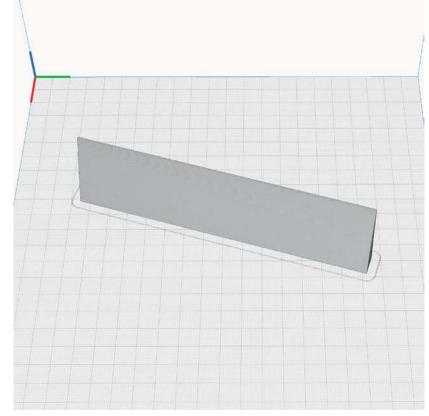
None required

P5_Flap 4 L-br.stl and P5_Flap 4 R-br.stl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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_Fus 1 L-br.stl and P5_Fus 1 R-br.stl

MATERIAL LW PLA, Weight: ~ 26 g

TIME ~ 5 hours

ADDITIONAL SETTINGS

None required



P5_Fus 1 part-br.stl

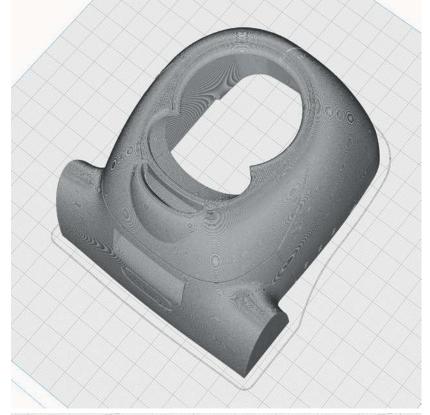
MATERIAL LW PLA, Weight: ~ 0 g

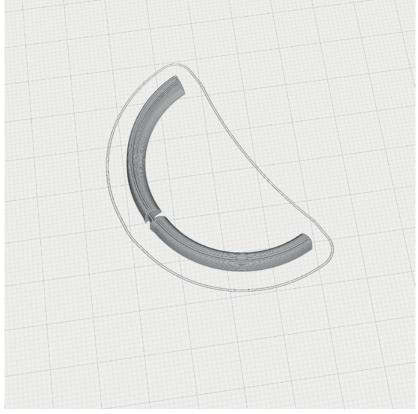
TIME ~ 4 minutes

ADDITIONAL SETTINGS

None required

Cut the two parts apart and remove the bar.







The information about the basic settings you can find on our website at PRINT. 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_Fus 2 L-br.stl and P5_Fus 2 R-br.stl

MATERIAL LW PLA, Weight: ~ 52 g

TIME ~ 10 hour

ADDITIONAL SETTINGS

None required

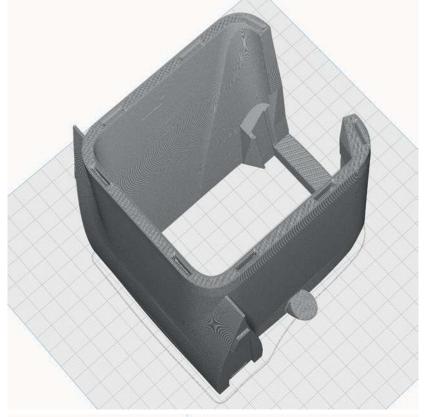


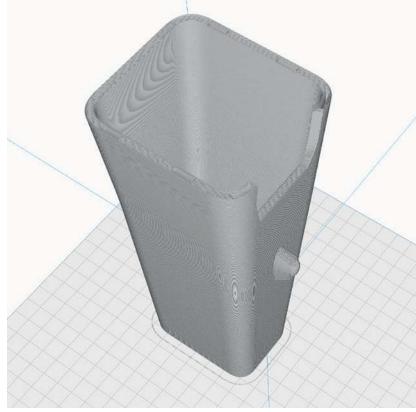
P5_Fus 3 L-br.stl and P5_Fus 3 R-br.stl

MATERIAL LW PLA, Weight: ~ 32 g

TIME ~ 6 hours 30 minutes

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. 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!

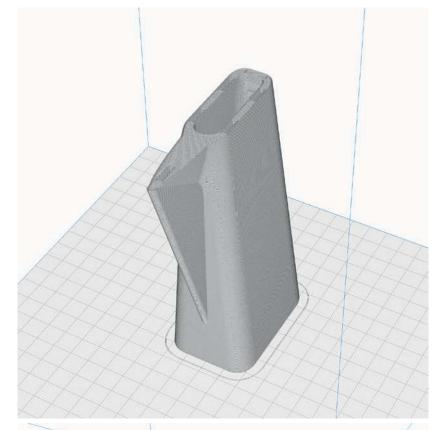
P5_Fus 4 L-br.stl and P5_Fus 4 R-br.stl

MATERIAL LW PLA, Weight: ~ 18 g

TIME ~ 3 hours 30 minutes

ADDITIONAL SETTINGS

None required

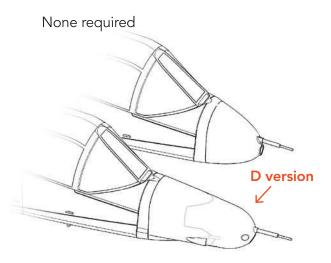


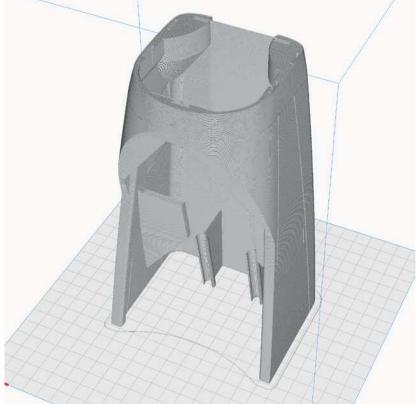
P5_Fus M1-br.stl or P5_Fus M1 D version-br.stl

MATERIAL LW PLA, Weight: ~ 45 g

TIME ~ 9 hours

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. 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_Fus M2 L-br.stl and P5_Fus M2 R-br.stl

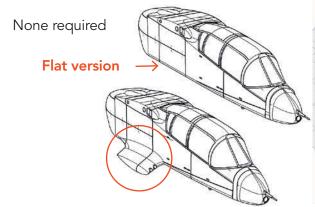
or

P5_Fus M2 L flat version-br.stl and P5_Fus M2 R flat version-br.stl

MATERIAL LW PLA, Weight: ~ 30 g

TIME ~ 6 hours

ADDITIONAL SETTINGS

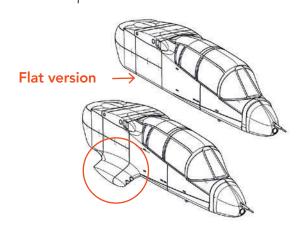


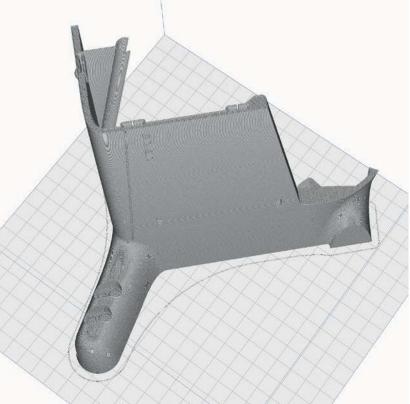
P5_Fus M3 down-br.stl or P5_Fus M3 down flat version-br.stl

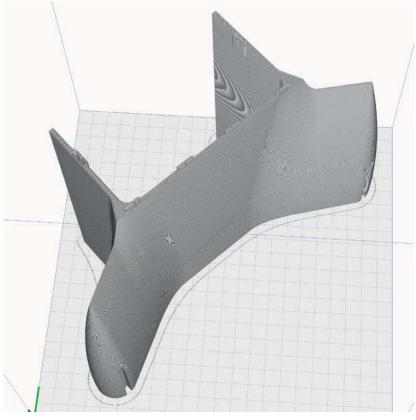
MATERIAL LW PLA, Weight: ~ 48 g

TIME ~ 9 hours

ADDITIONAL SETTINGS









The information about the basic settings you can find on our website at PRINT. 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!

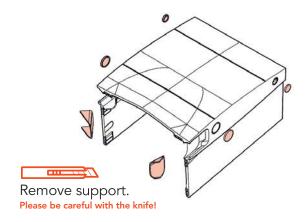
P5_Fus M3 up-br.stl

MATERIAL LW PLA, Weight: ~ 30 g

TIME ~ 6 hours 30 minutes

ADDITIONAL SETTINGS

None required

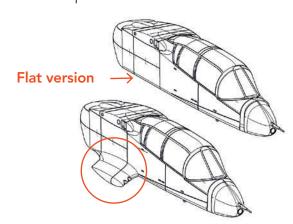


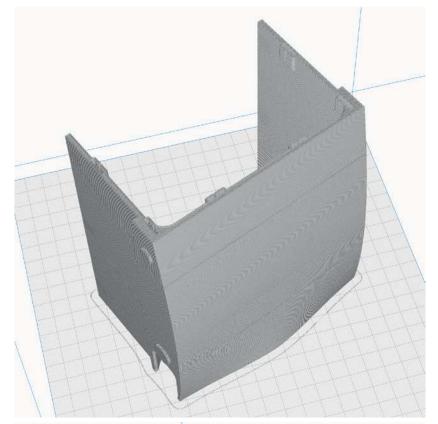
P5_Fus M4 down-br.stl or P5_Fus M4 down flat version-br.stl

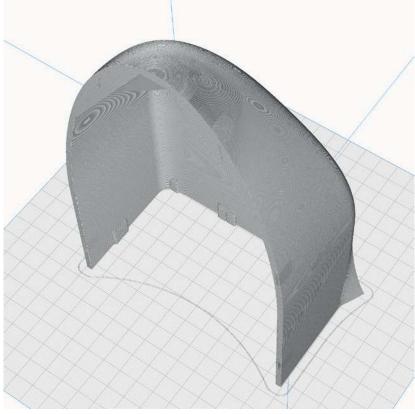
MATERIAL LW PLA, Weight: ~ 30 g

TIME ~ 6 hours

ADDITIONAL SETTINGS









The information about the basic settings you can find on our website at PRINT. 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!

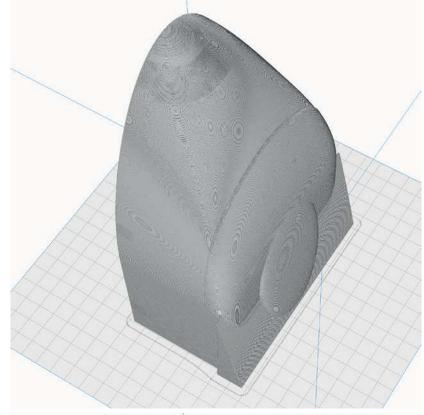
P5_Fus M4 up-br.stl

MATERIAL LW PLA, Weight: ~ 30 g

TIME ~ 6 hours

ADDITIONAL SETTINGS

None required

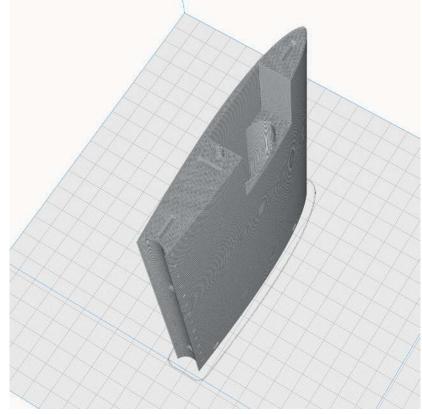


P5_HS L-br.stl and P5_HS R-br.stl

MATERIAL LW PLA, Weight: ~ 22 g

TIME ~ 5 hours

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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!

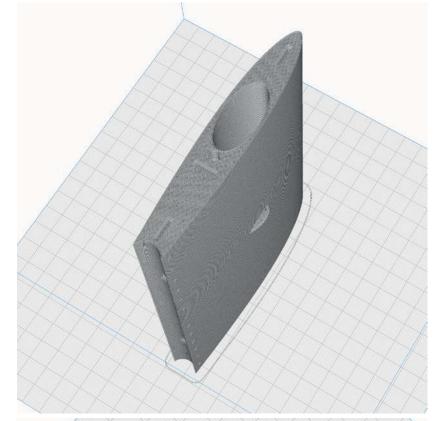
P5_HS M-br.stl

MATERIAL LW PLA, Weight: ~ 23 g

TIME ~ 4 hours 30 minutes

ADDITIONAL SETTINGS

None required

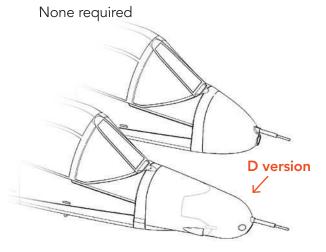


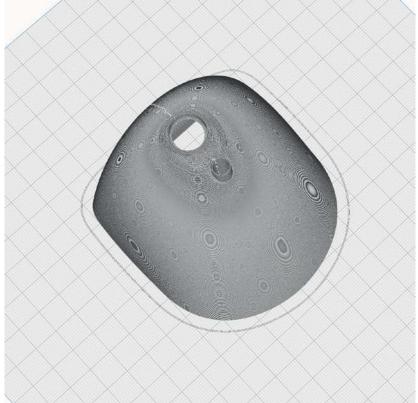
P5_Nose-br.stl or P5_Nose D-Version-br.stl

MATERIAL LW PLA, Weight: ~ 15 g

TIME ~ 3 hours

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. 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 1-br.stl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

Print twice

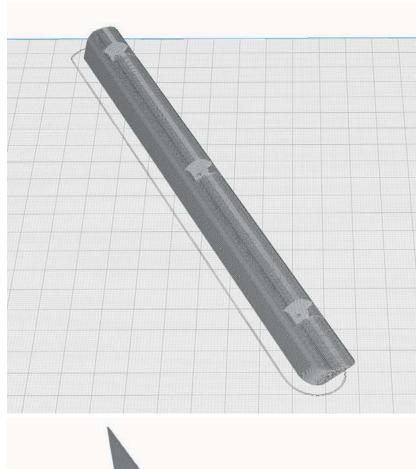
P5_Rudder 2-br.stl

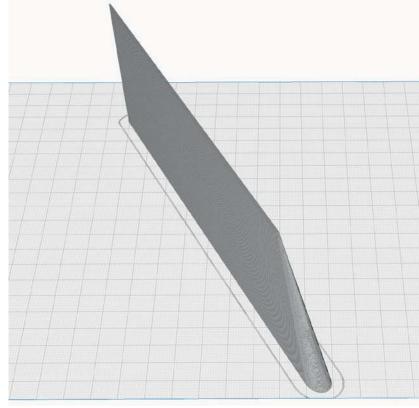
MATERIAL LW PLA, Weight: ~ X g

TIME ~ 1 hour 30 minutes

ADDITIONAL SETTINGS

• Print twice









The information about the basic settings you can find on our website at PRINT.

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!

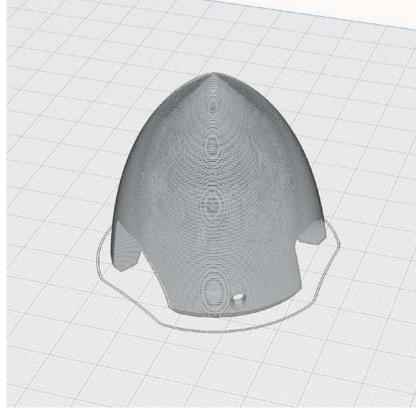
P5_Spinner 3B L-br.stl and P5_Spinner 3B R-br.stl

MATERIAL LW PLA, Weight: ~ 4 g

TIME ~ 30 minutes

ADDITIONAL SETTINGS

None required

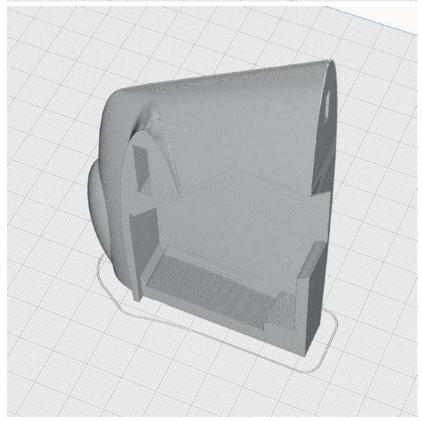


P5_VS 1 up L-br.stl and P5_VS 1 up R-br.stl

MATERIAL LW PLA, Weight: ~ 7 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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_VS 1 down L-br.stl and P5_VS 1 down R-br.stl

MATERIAL LW PLA, Weight: ~ 20 g

TIME ~ 4 hours

ADDITIONAL SETTINGS

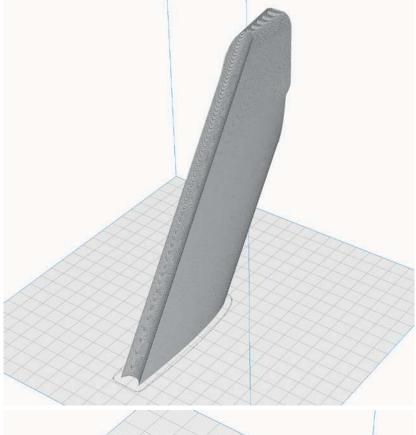
None required

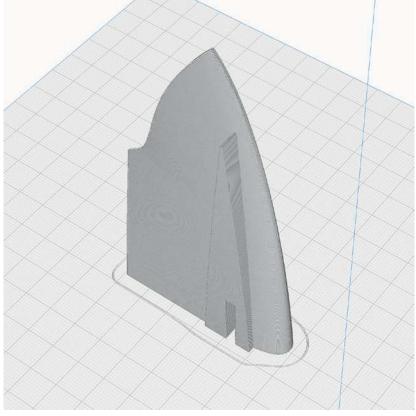
P5_VS 2 up L-br.stl and P5_VS 2 up R-br.stl

MATERIAL LW PLA, Weight: ~ 5 g

TIME ~ 1 hour

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. 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!

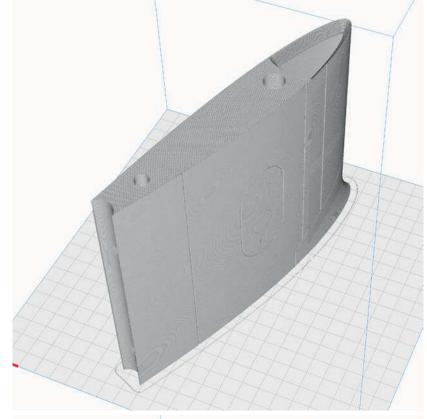
P5_Wing 1 L_br.stl and P5_Wing 1 R_br.stl

MATERIAL LW PLA, Weight: ~ 45 g

TIME ~ 7 hours 30 minutes

ADDITIONAL SETTINGS

None required

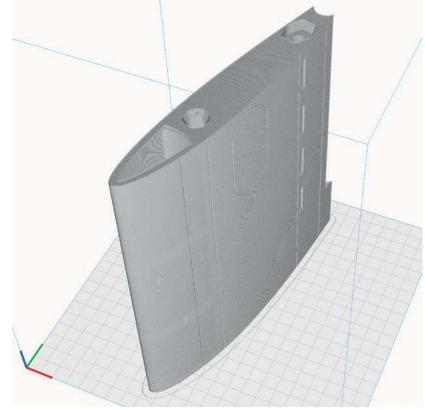


P5_Wing 2 L_br.stl and P5_Wing 2 R_br.stl

MATERIAL LW PLA, Weight: ~ 62 g

TIME ~ 11 hours

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. 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!

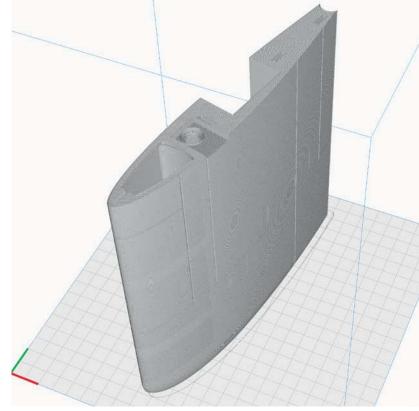
P5_Wing 3 L_br.stl and P5_Wing 3 R_br.stl

MATERIAL LW PLA, Weight: ~ 55 g

TIME ~ 9 hours

ADDITIONAL SETTINGS

None required

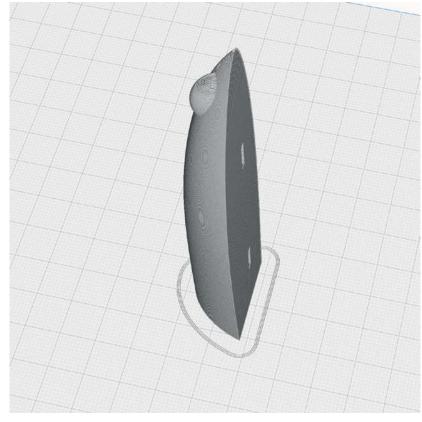


P5_Wingtip 1 L-br.stl and P5_Wingtip 1 R-br.stl

MATERIAL LW PLA, Weight: ~ 4 g

TIME ~ 30 minutes

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts! It is essential to print these parts with LW-PLA!

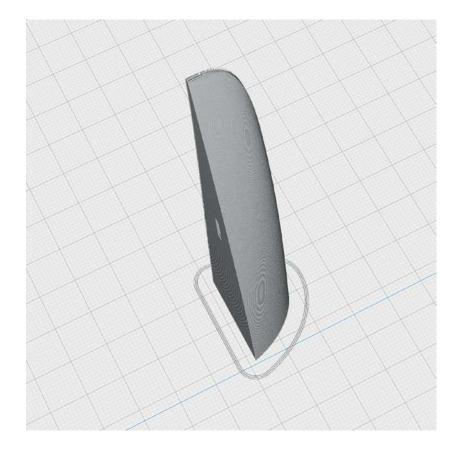
Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment!

P5_Wingtip 2 L-br.stl and P5_Wingtip 2 R-br.stl

MATERIAL LW PLA, Weight: ~ 3 g

TIME ~ 30 minutes

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.

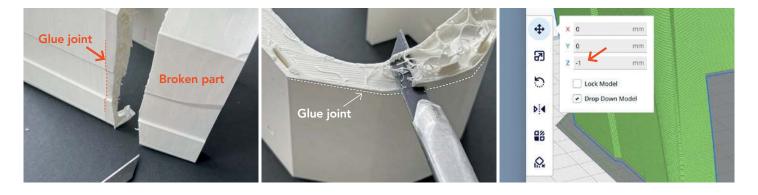


PROFILES 5 parts are easy to repair

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

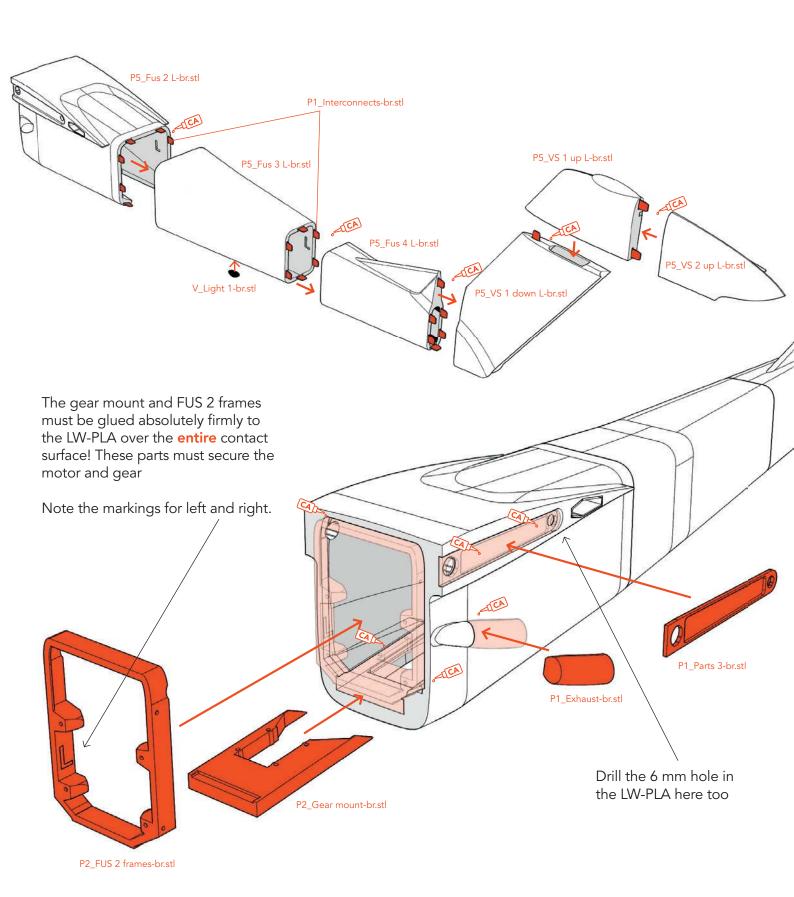
STEP 2 Cut wall and infill and clean the surface with sandpaper. The top surface of the damaged part remains!

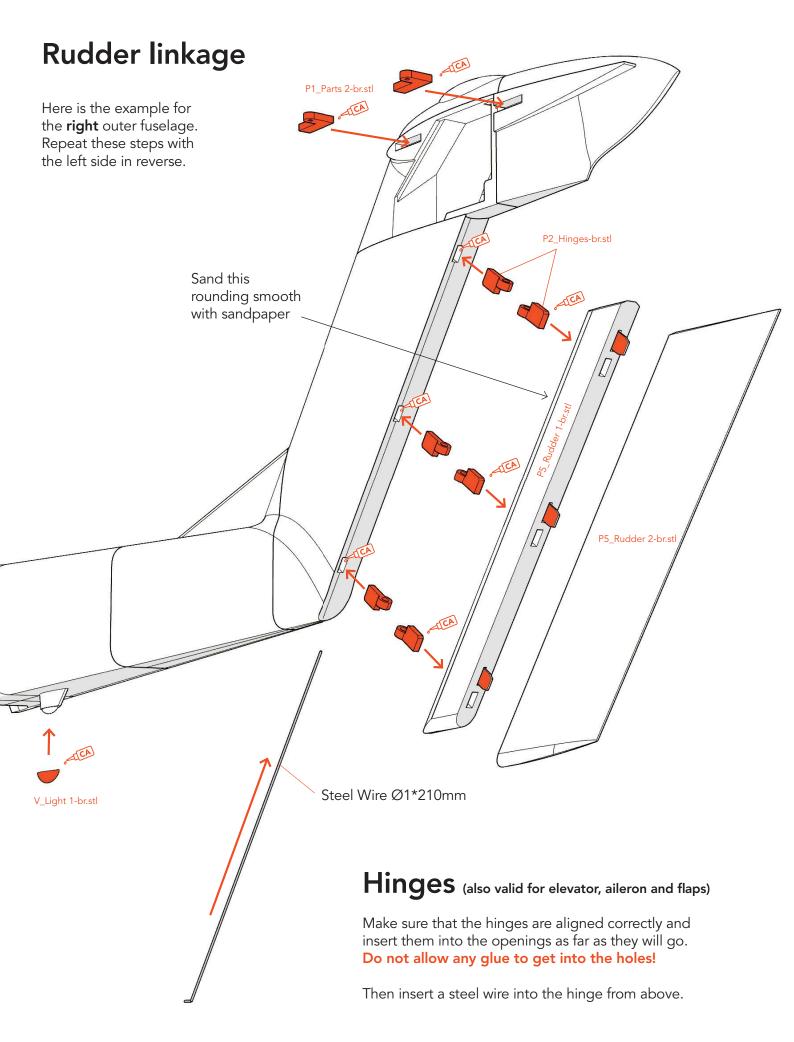
The remaining top surface is about 1 mm thick. To compensate for this, you can move the new part to be printed down the Z axis in Cura by 1 mm.



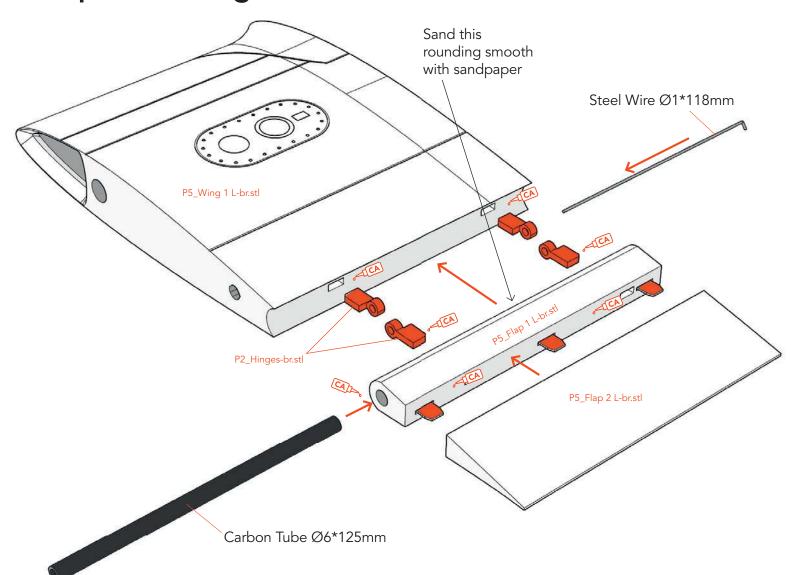
Fuselage assembly Fuselage assembly

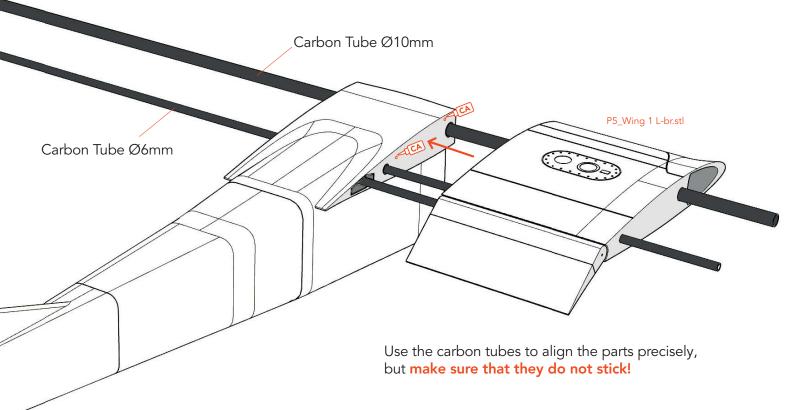
Here is the example for the **left** outer fuselage. Repeat these steps with the right side in reverse.

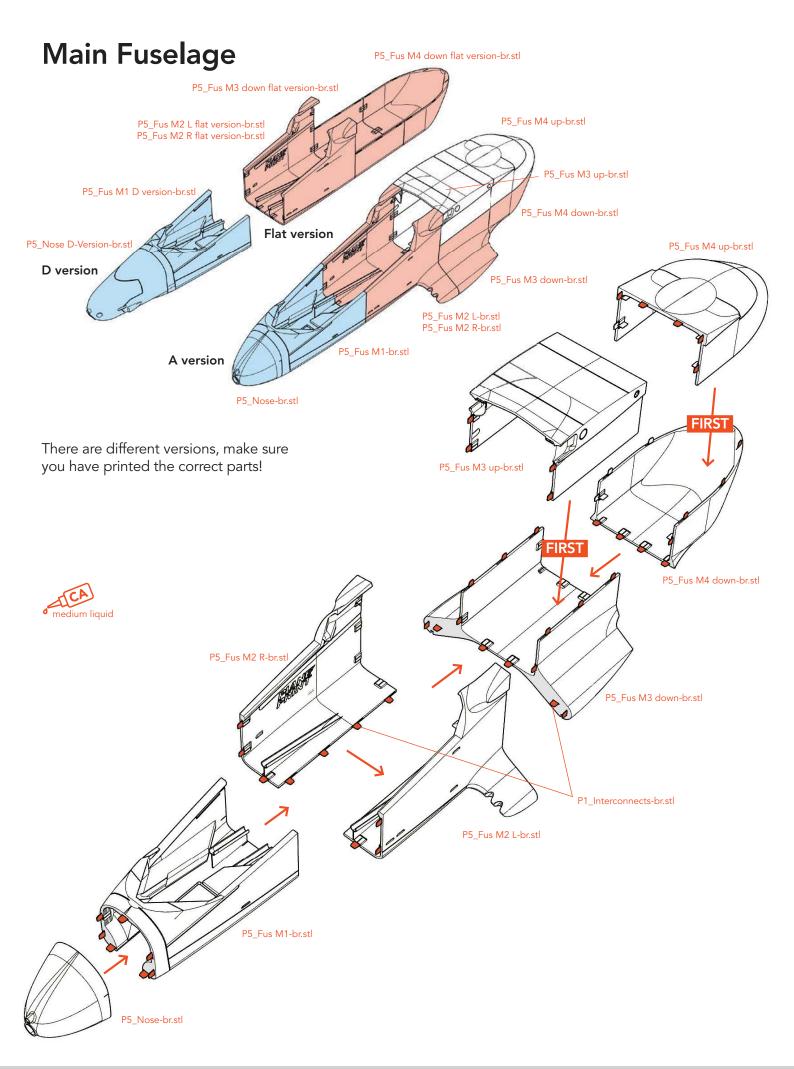


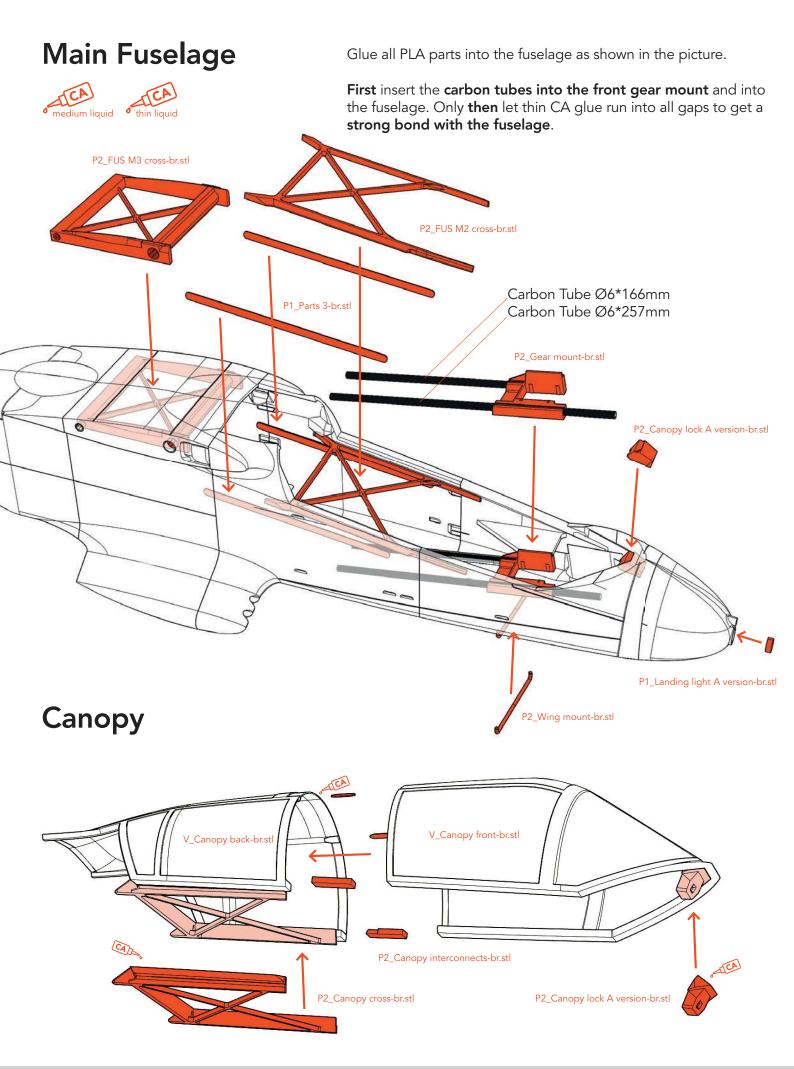


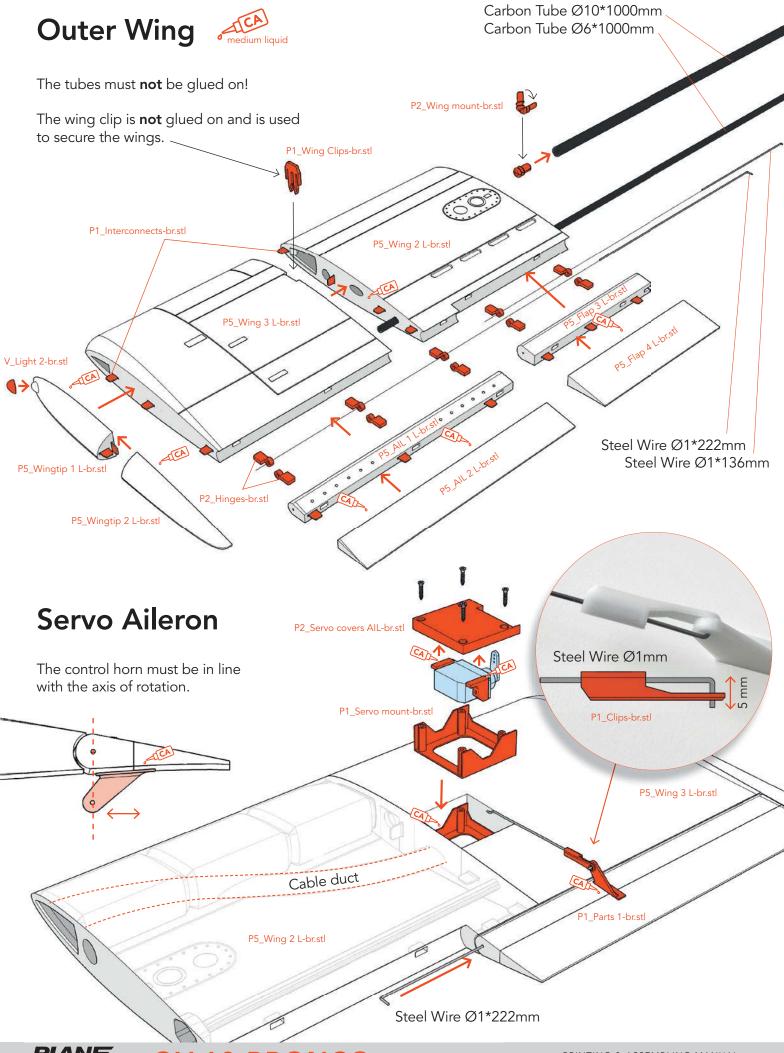
Flap inner Wing



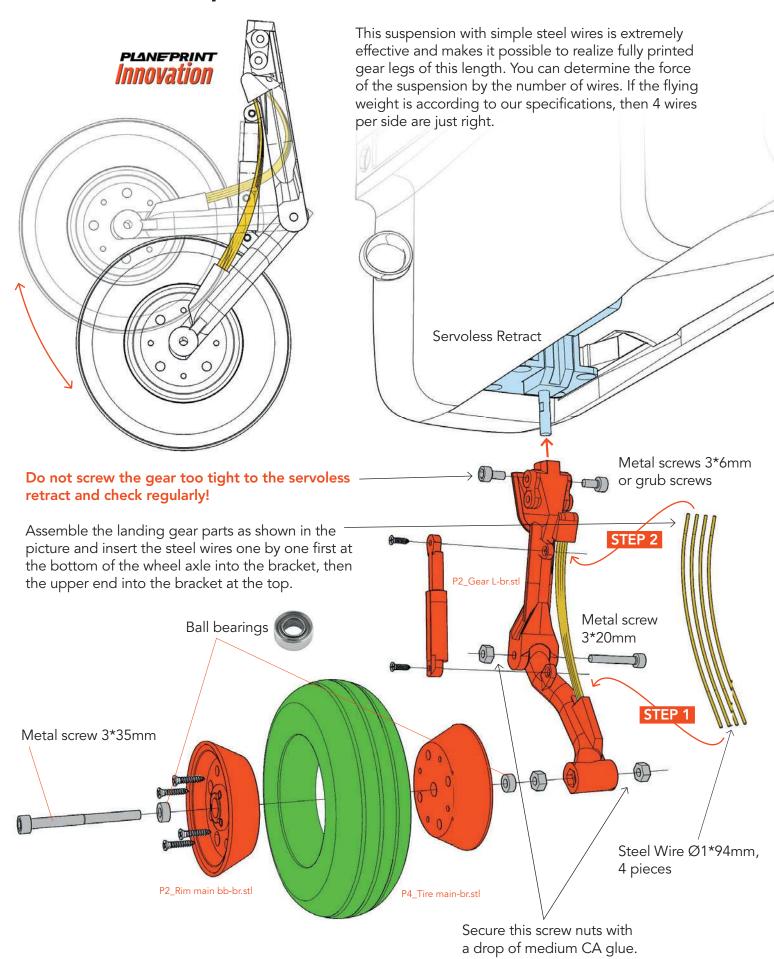


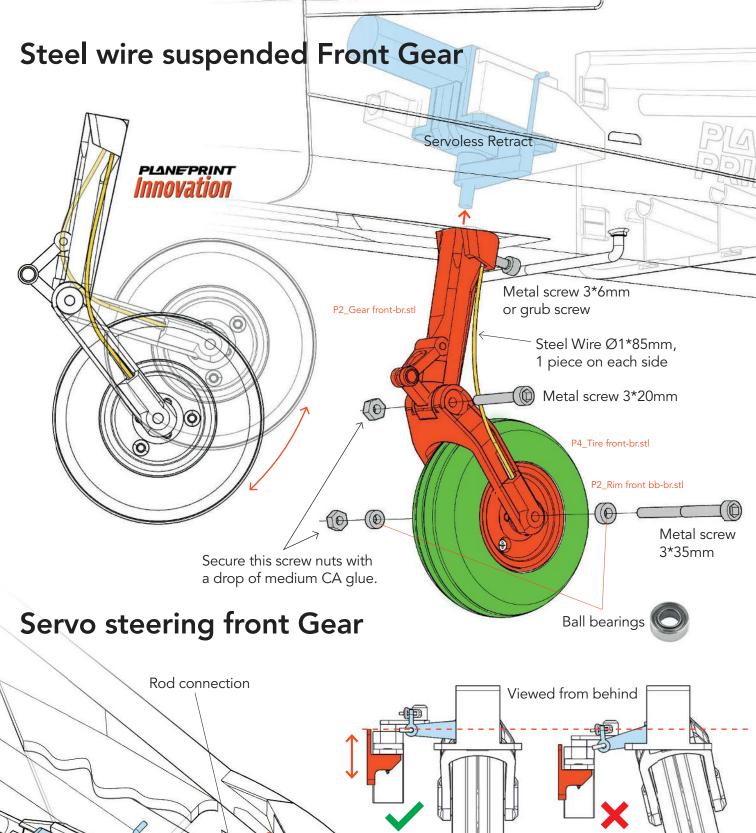


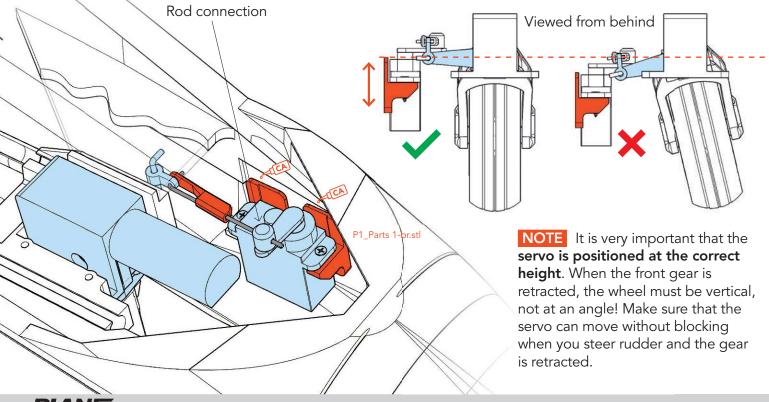


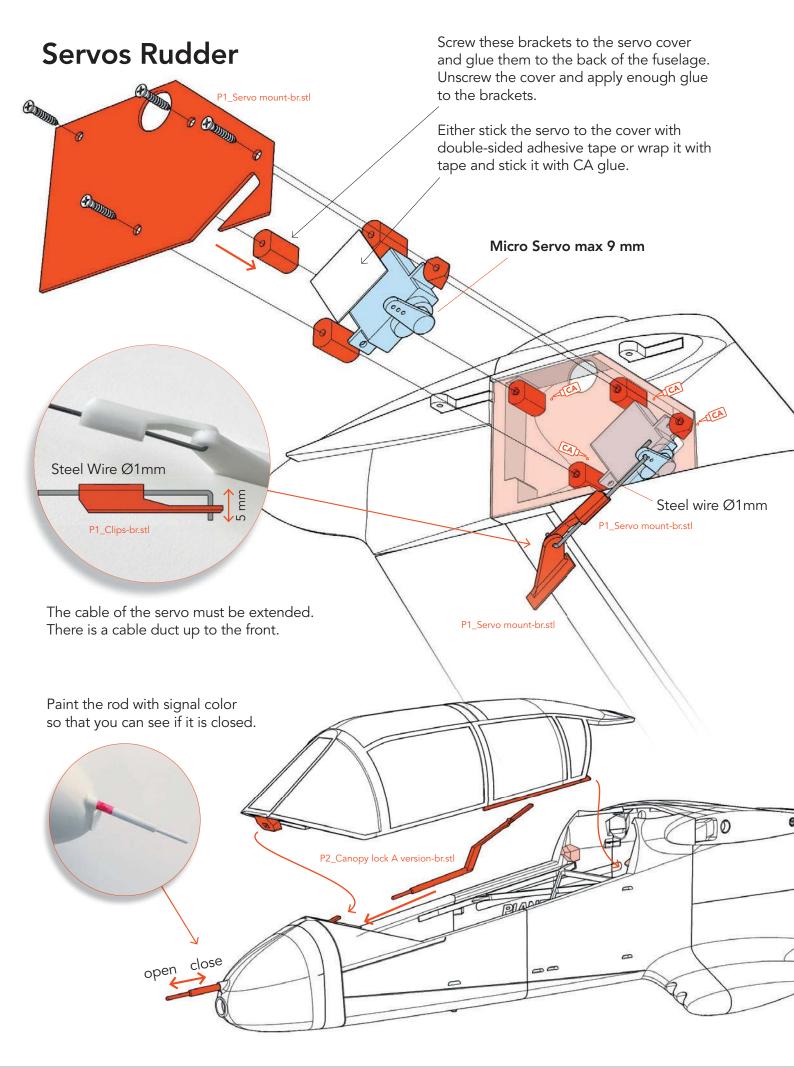


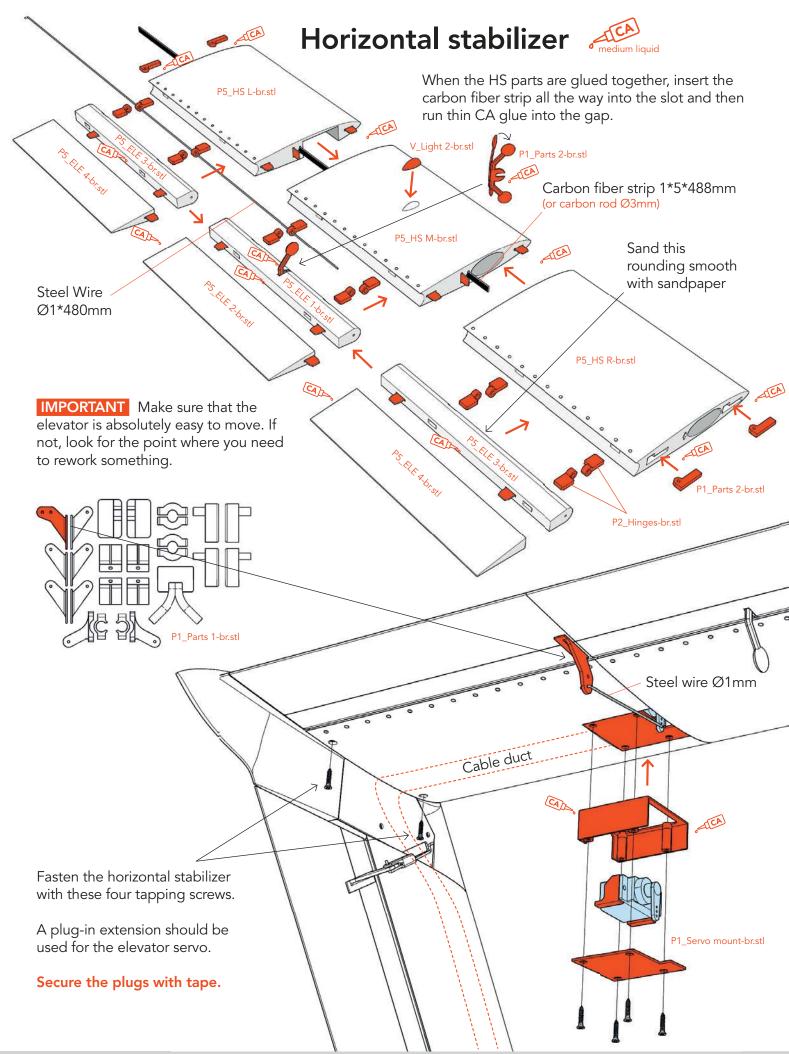
Steel wire suspended Gear

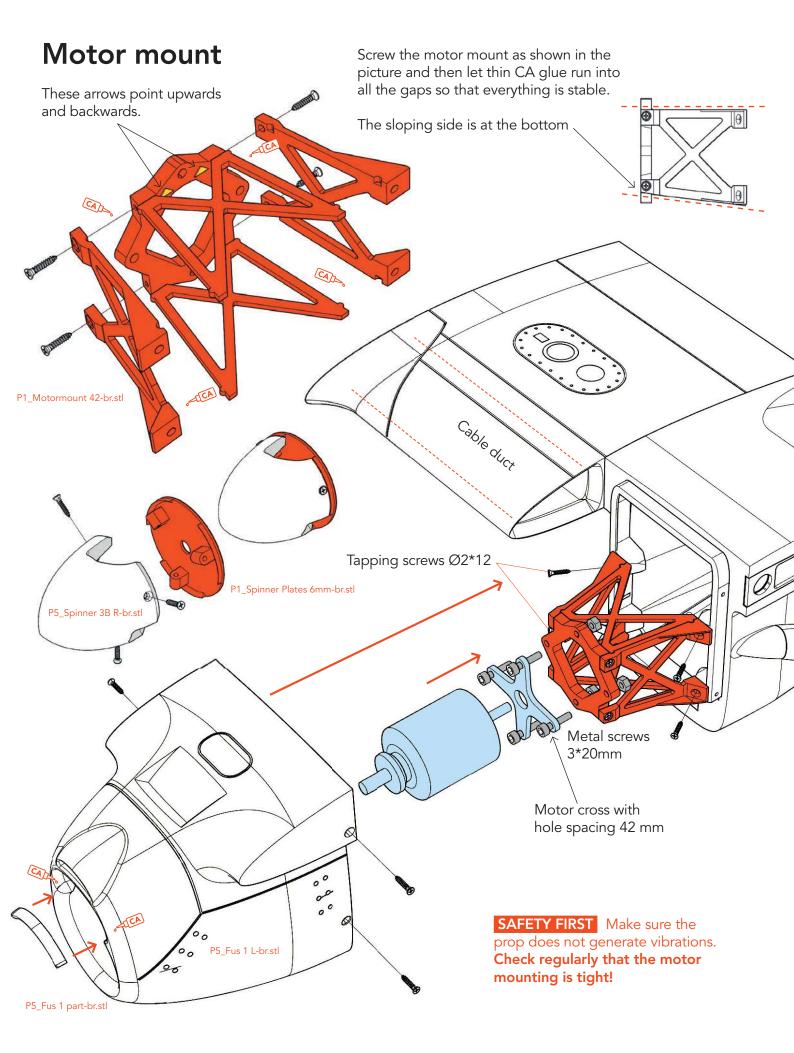


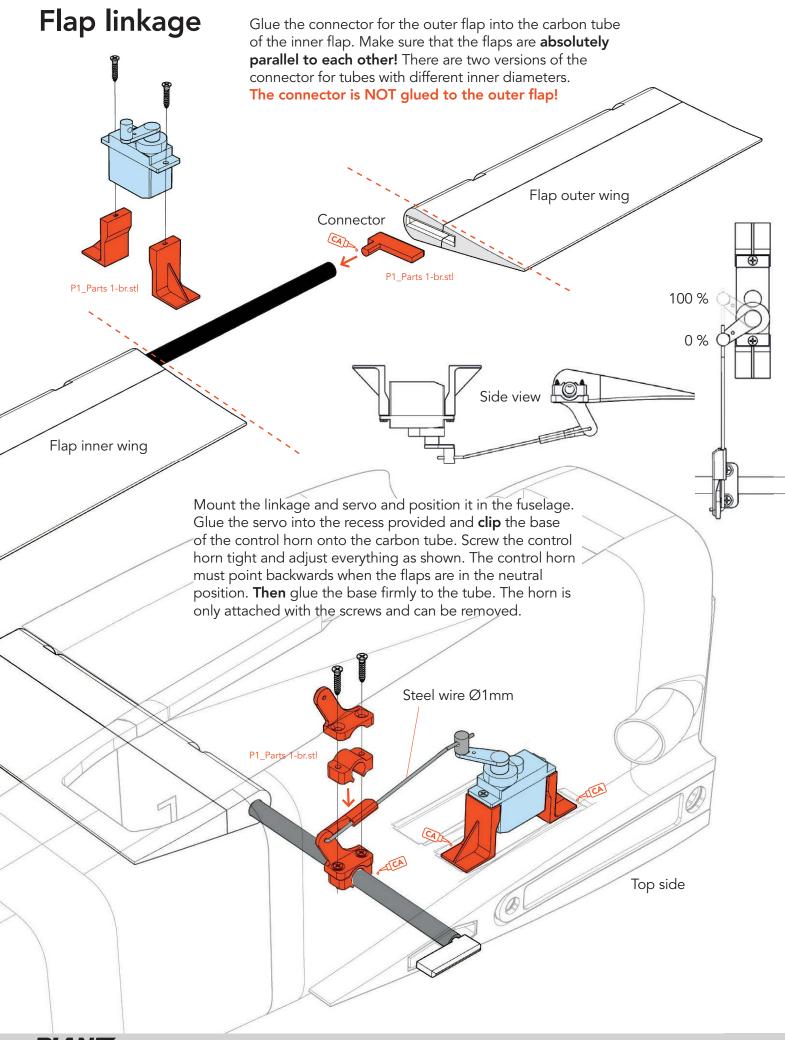




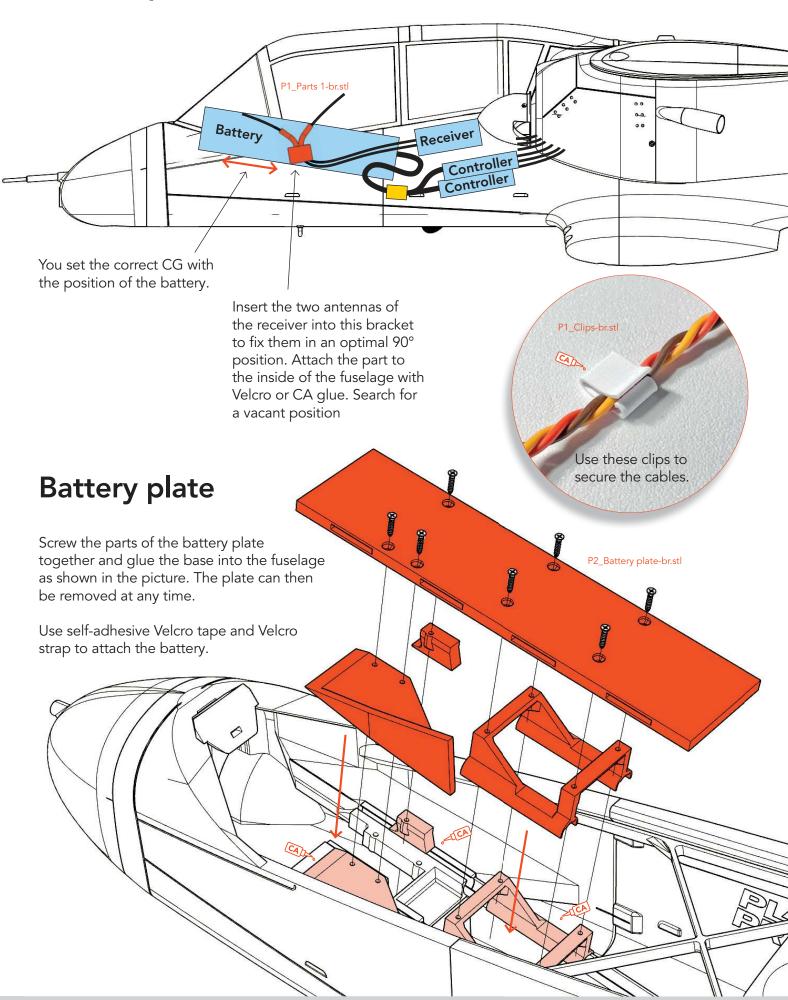


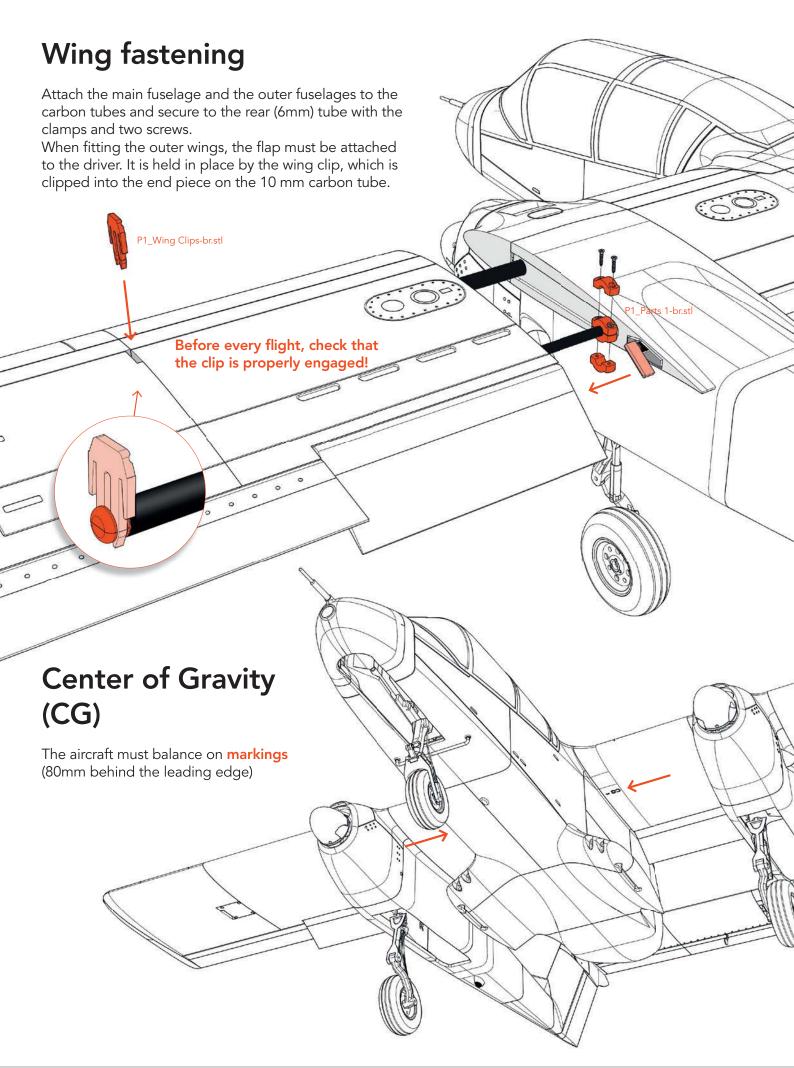






RC Components



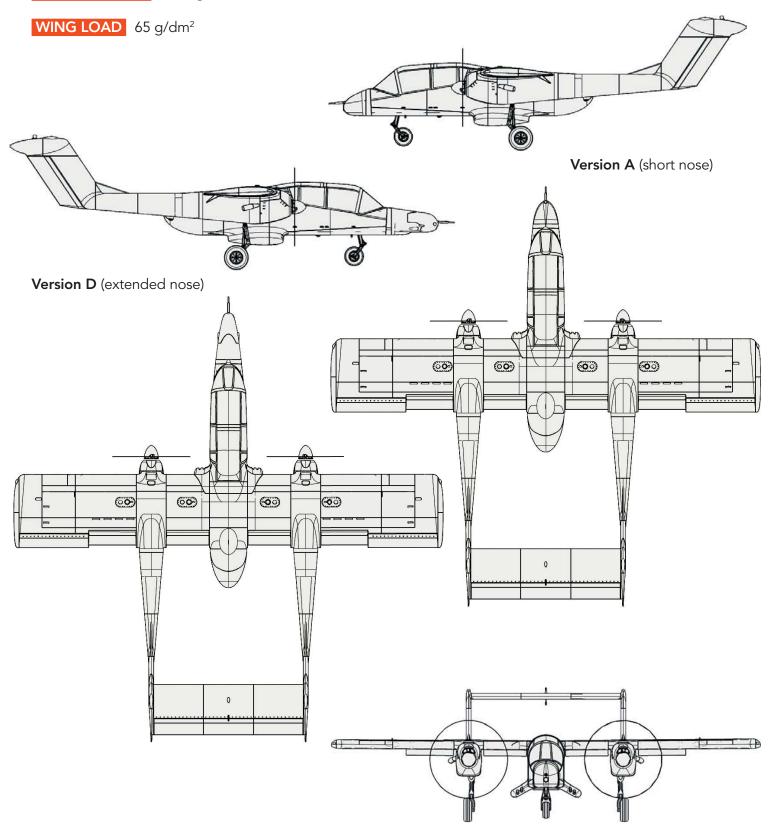


Technical specifications

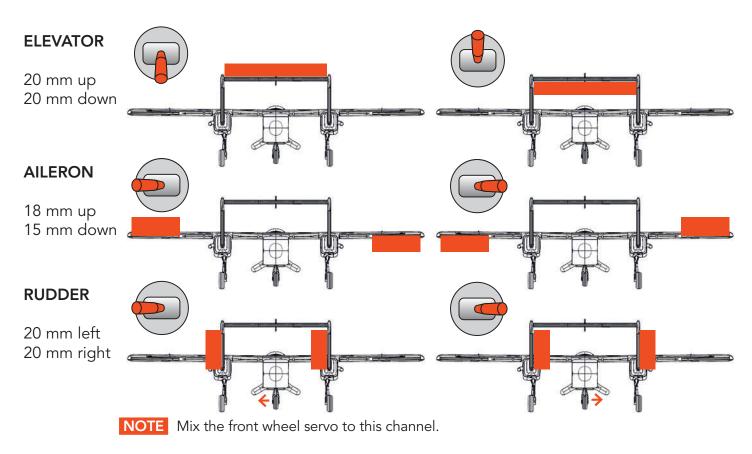
WINGSPAN 1400 mm/55.1 inches

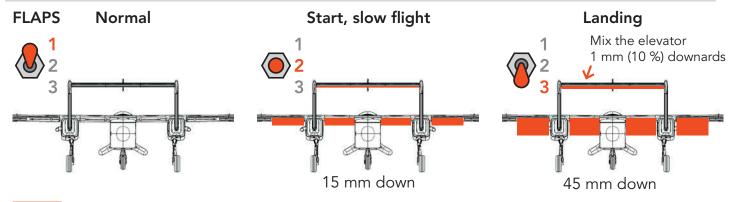
LENGTH 1374 mm/54 inches (A version), 1458 mm/57.4 inches (D version)

FLIGHT WEIGHT 2850 grams

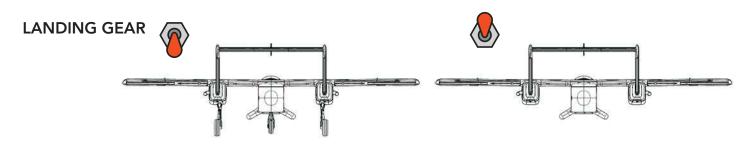


Control Direction Test Look at the aircraft from behind





NOTE The flaps must be aligned exactly the same in every position, otherwise the aircraft will not fly straight!

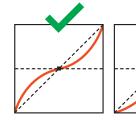


EXPO

ELEVATOR 40 %

AILERON 40 %

RUDDER 30 %



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



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!

