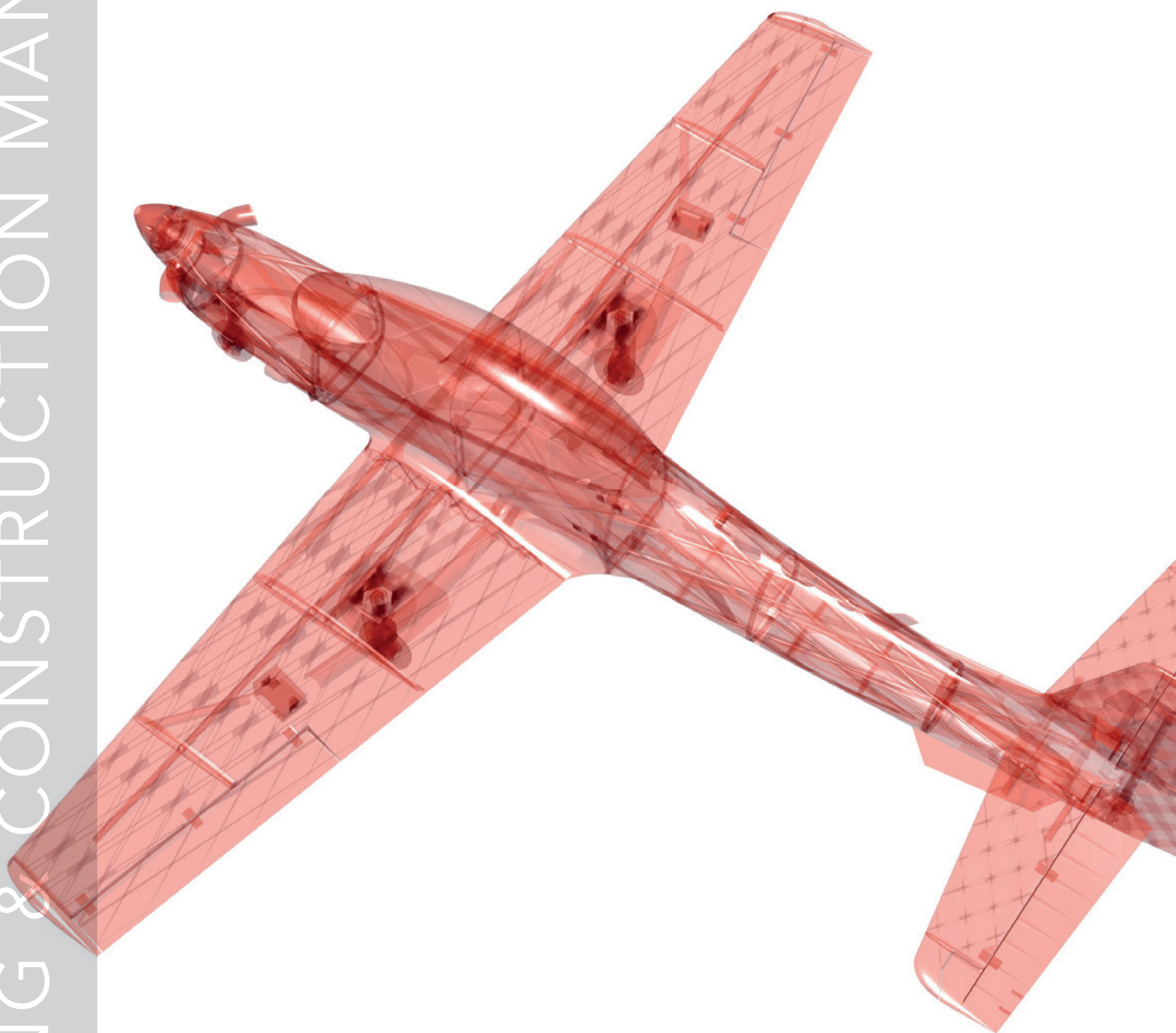


**PLANE
PRINT.com***very light 3d printable rc planes*

PLANEPRINT SUPER TUCANO WINGFASTENING SYSTEM

For this upgrade, replace the original STL of Fuselage 5 and Wing 1 with these new ones.



WATCH OUT!
This 3D print model
is specially optimized
for CURA.



STL DATA FOR DOWNLOADING
AT www.planeprint.com

PRINTING THE PARTS – PRINTING PROFILES

You may wonder why this 3D model is suitable exclusively for CURA right?

The most important thing about small RC model airplanes is always the ratio of size to weight. The lighter a model is, the better its flight characteristics and also the flight time is significantly increased.

With our unique design process, we manage to make Weights relevant items in a **true 1-wall printing process** for the outer skin but also for the filling offer. So we save weight while maintaining the necessary stability.

Here we show you how to get started from a standard CURA profile Make settings. For this model we only need 4, easy to create profiles.

It is **absolutely necessary** to observe the information provided by **PLANEPRINT.com** in order: to slice the component correctly. However, it may make sense to perfect your 3D printing by additionally performing several hiring activities depending on your printer and the filament used.

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

PROFILE P1_fullbody
PROFILE P2_hollowbody
PROFILE P3_surface
PROFILE P4_flex

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

Important for the 1-wall-print!

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.



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!

PROFILE P1_FULLBODY

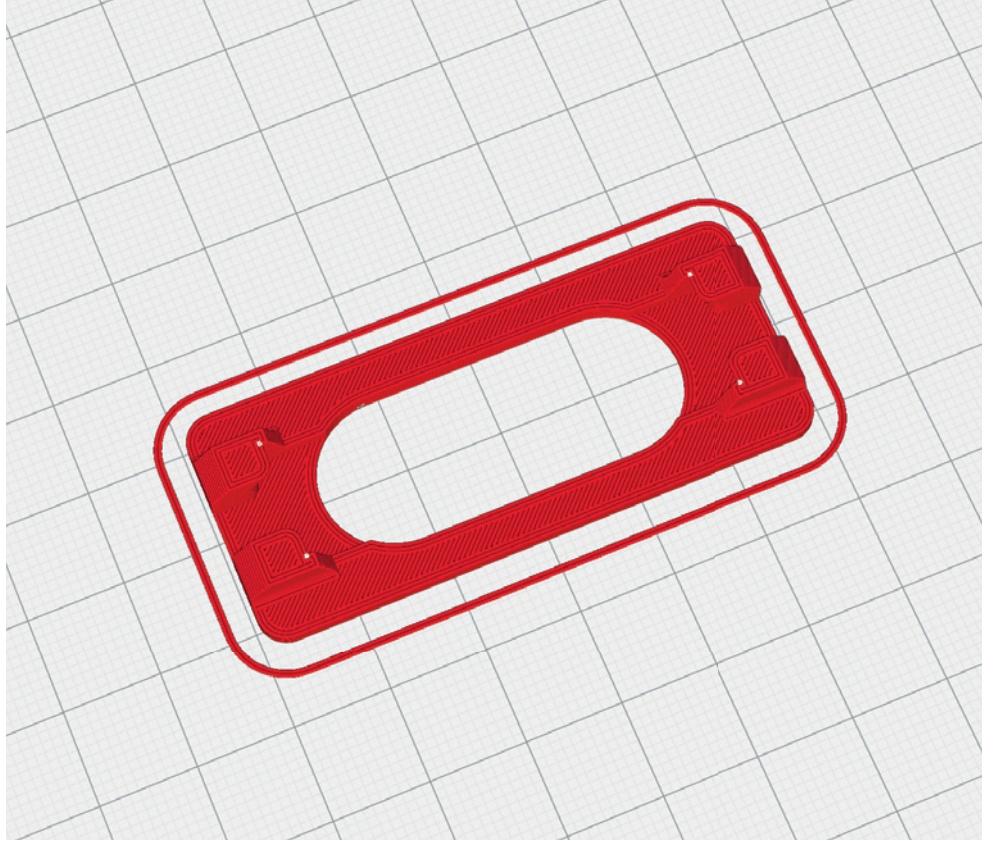
The following parts must be sliced with the profile P1_FULLBODY.
Recommended additional settings are listed in the screenshots.

INFO

STL: st-Wingmount_profile1.stl
Material: PLA
Weight: ~ 3 g

ADDITIONAL SETTINGS

None necessary



PROFILE P3_SURFACE

The following parts must be sliced with the profile PROFILE P3_SURFACE (1 Wall Print). Recommended additional settings are listed in the screenshots.

PLEASE NOTE

In profile P3_SURFACE, there should not be more than one STL on the buildplate at the same time, otherwise slicing errors can occur!

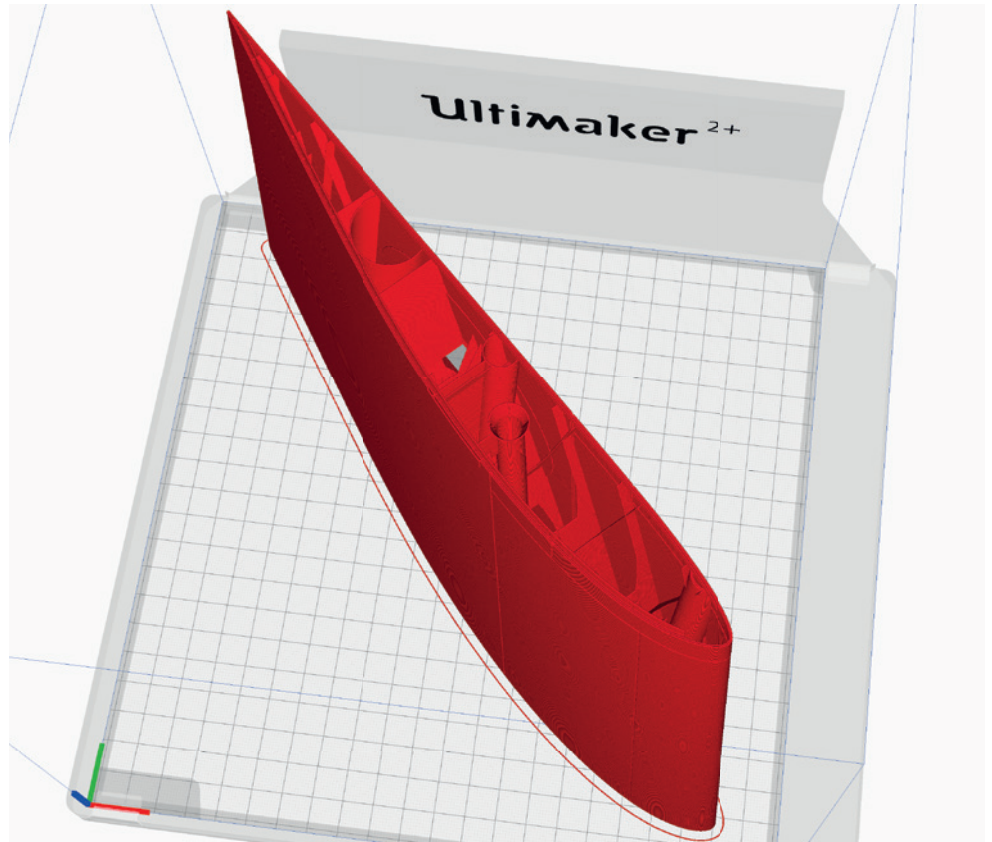
INFO

STL: st-Wing 1-left_profile3.stl
st-Wing 1-right_profile3.stl
Material: PLA
Weight: ~ 106 g

ADDITIONAL SETTINGS

Wing1 left: • Z Seam Position left
Wing1 right: • Z Seam Position right

Depending on your printer, a **brim** may not be necessary.

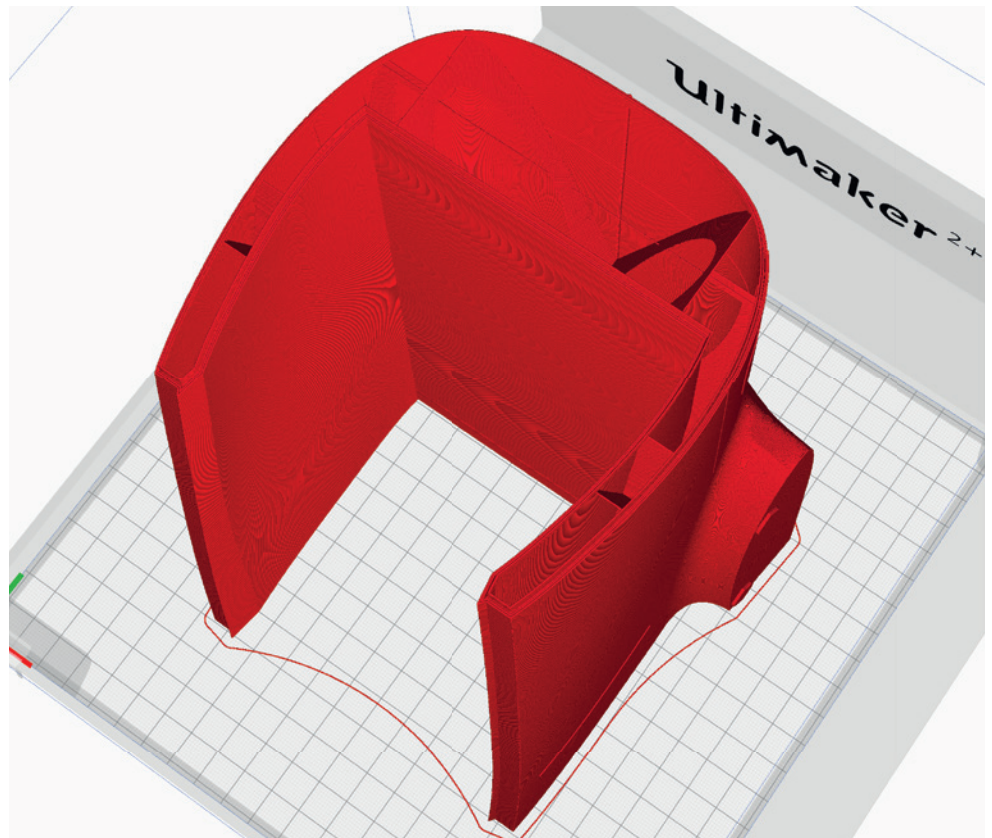


INFO

STL: st-Fuselage 5_profile3.stl
Material: PLA
Weight: ~ 84 g

ADDITIONAL SETTINGS

Depending on your printer, a **brim** may not be necessary.



PROFILE P4_FLEX

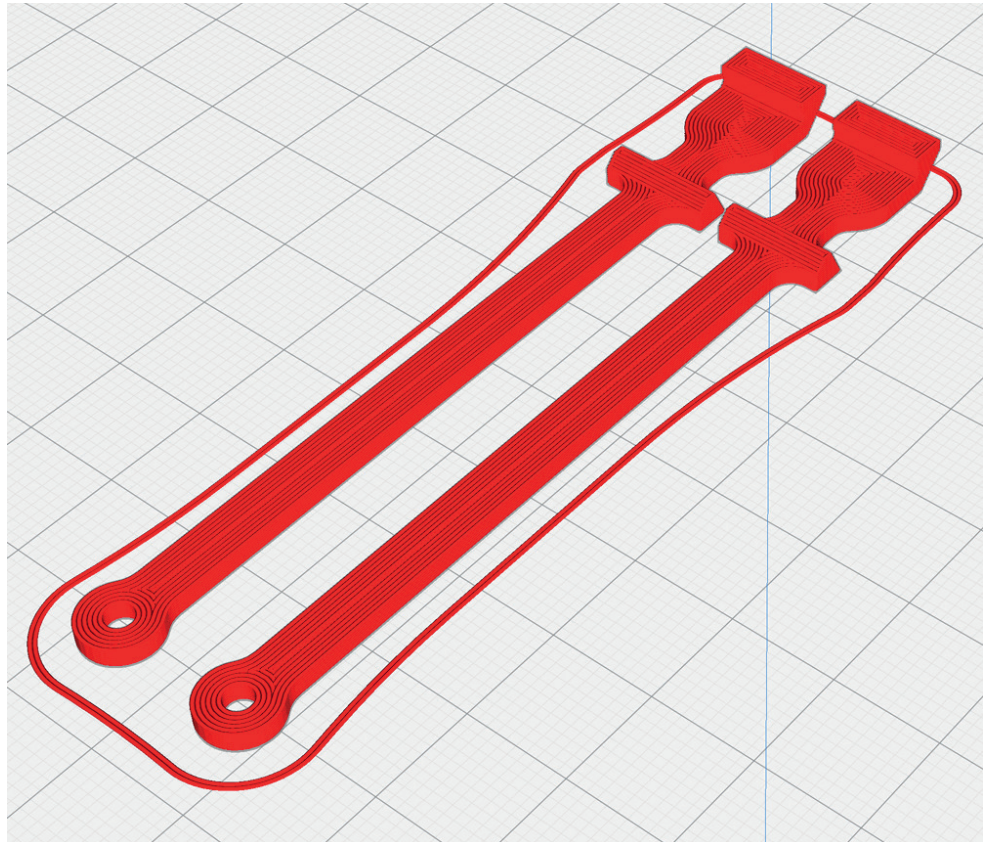
The following parts must be sliced with the profile PROFILE P4_FLEX (flexible materials). Recommended additional settings are listed in the screenshots.

INFO

STL: st-Tension belt_profile4.stl
Material: TPU soft
Weight: ~ 3 g

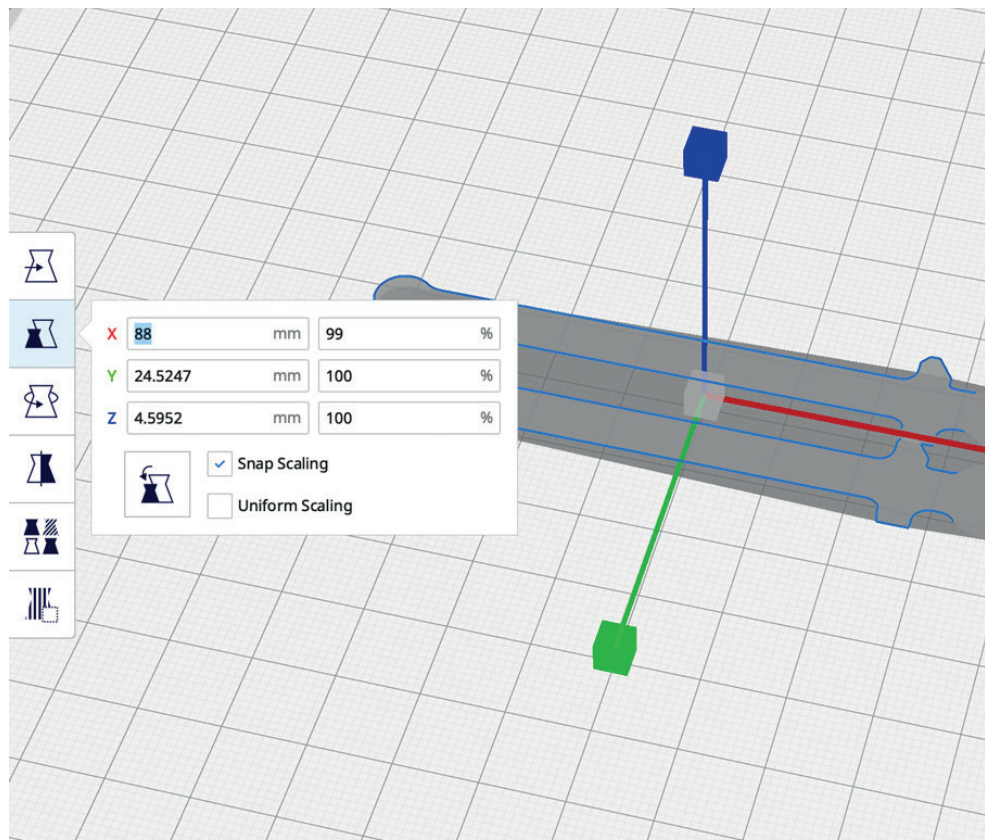
ADDITIONAL SETTINGS

- Wall Line Count 10

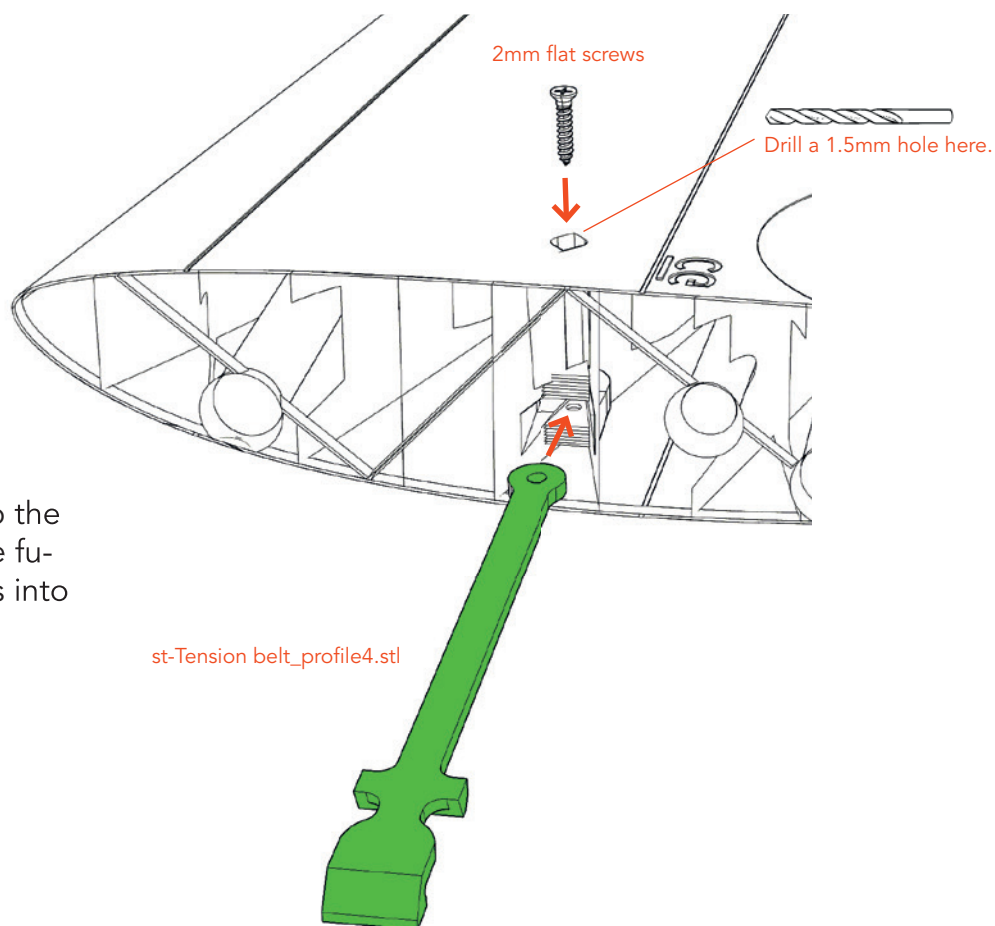
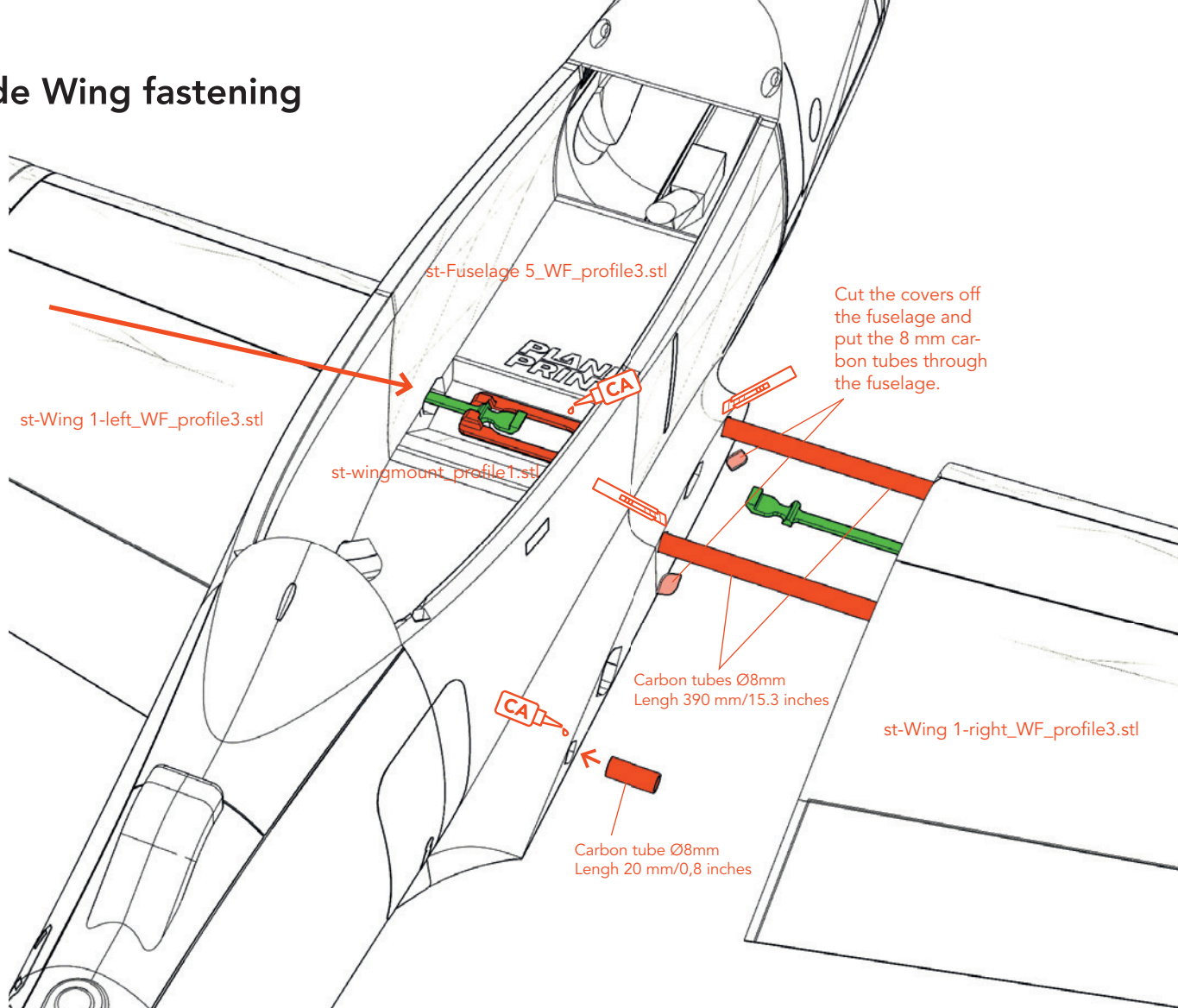


Tension belt lenght

In the folder Individual parts you will find the tension belts also as a single file. If you want to change them slightly in length, you can simply change the dimension of the X-axis in Cura (Uniform scaling must NOT be selected).



Upgrade Wing fastening



Screw the TPU tensioners into the wings, attach the wings to the fuselage and clip the tensioners into the frame (st-wingmount_profile1.stl).