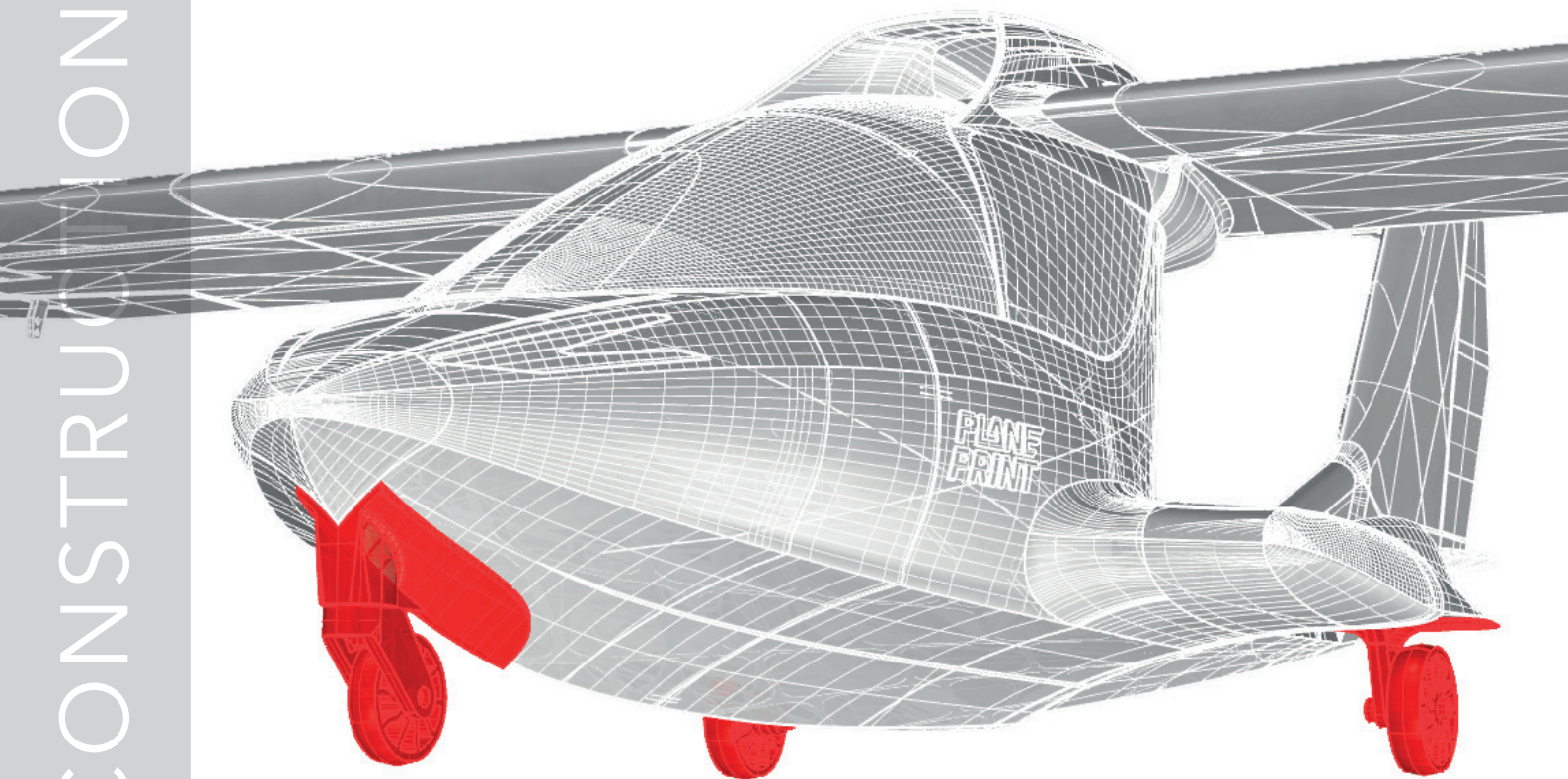


# PLANE PRINT.com

very light 3d printable rc planes



## ICON A5 LANDING GEAR

- Is subsequently attached with double-sided adhesive tape
- No Servo needed (The nose wheel does not require active steering, a little engine speed is enough for the rudder to exert its steering effect.)
- PLA and FLEX TPU needed



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



STL DATA FOR DOWNLOADING  
AT [www.planeprint.com](http://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](http://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. Our STL files are provided with indelible copyright watermarks that can be verified at any time.

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

# PRINTING MANUAL

## PROFILE P1\_FULLBODY

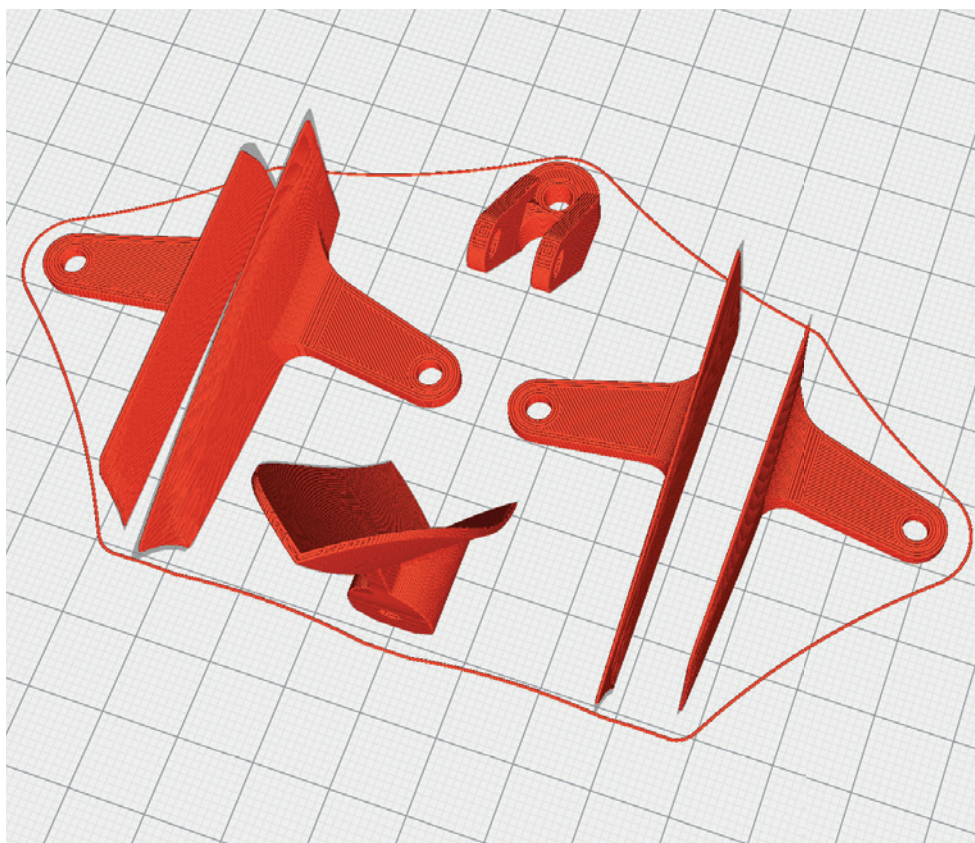
The following parts must be sliced with the profile P1\_FULLBODY.  
Recommended additional settings are listed in the screenshots.

### INFO

STL File: ICON-GEAR-p1.stl  
Material: PLA  
Weight: ~ 13 g

### ADDITIONAL SETTINGS

Use a high nozzle temperature  
(~ 230 °C) for good layer adhesion.





## PROFILE P4\_FLEX

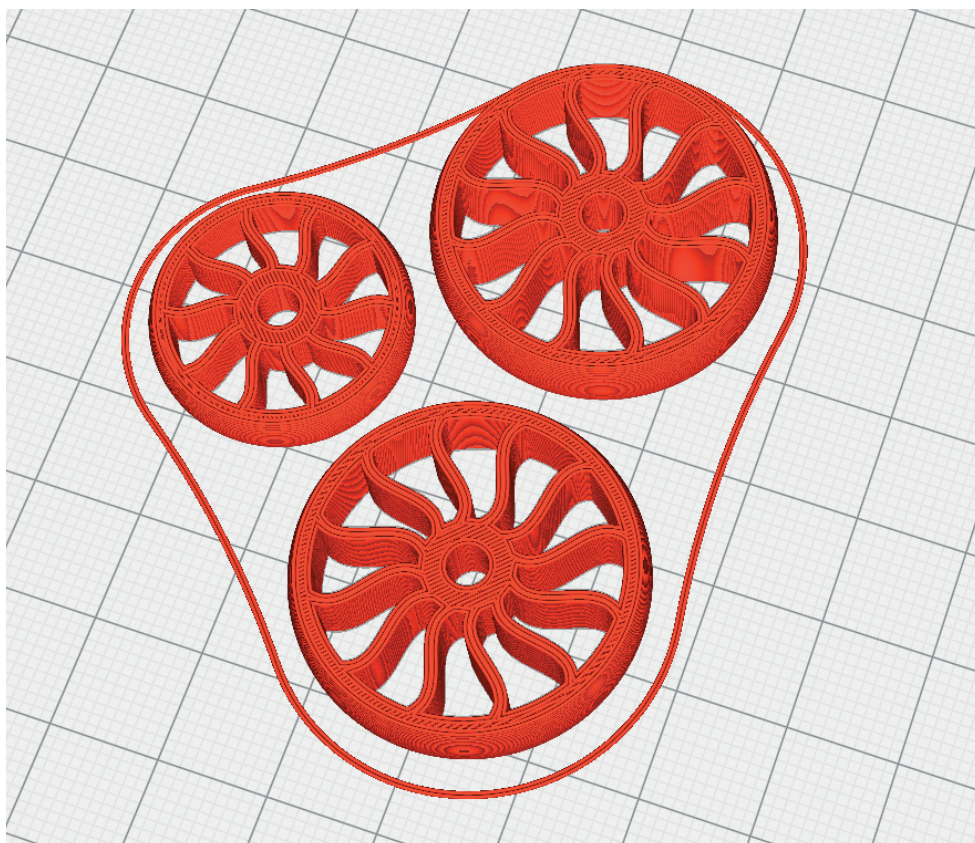
The following parts must be sliced with the profile PROFILE P4\_FLEX (flexible materials). Recommended additional settings are listed in the screenshots.

### INFO

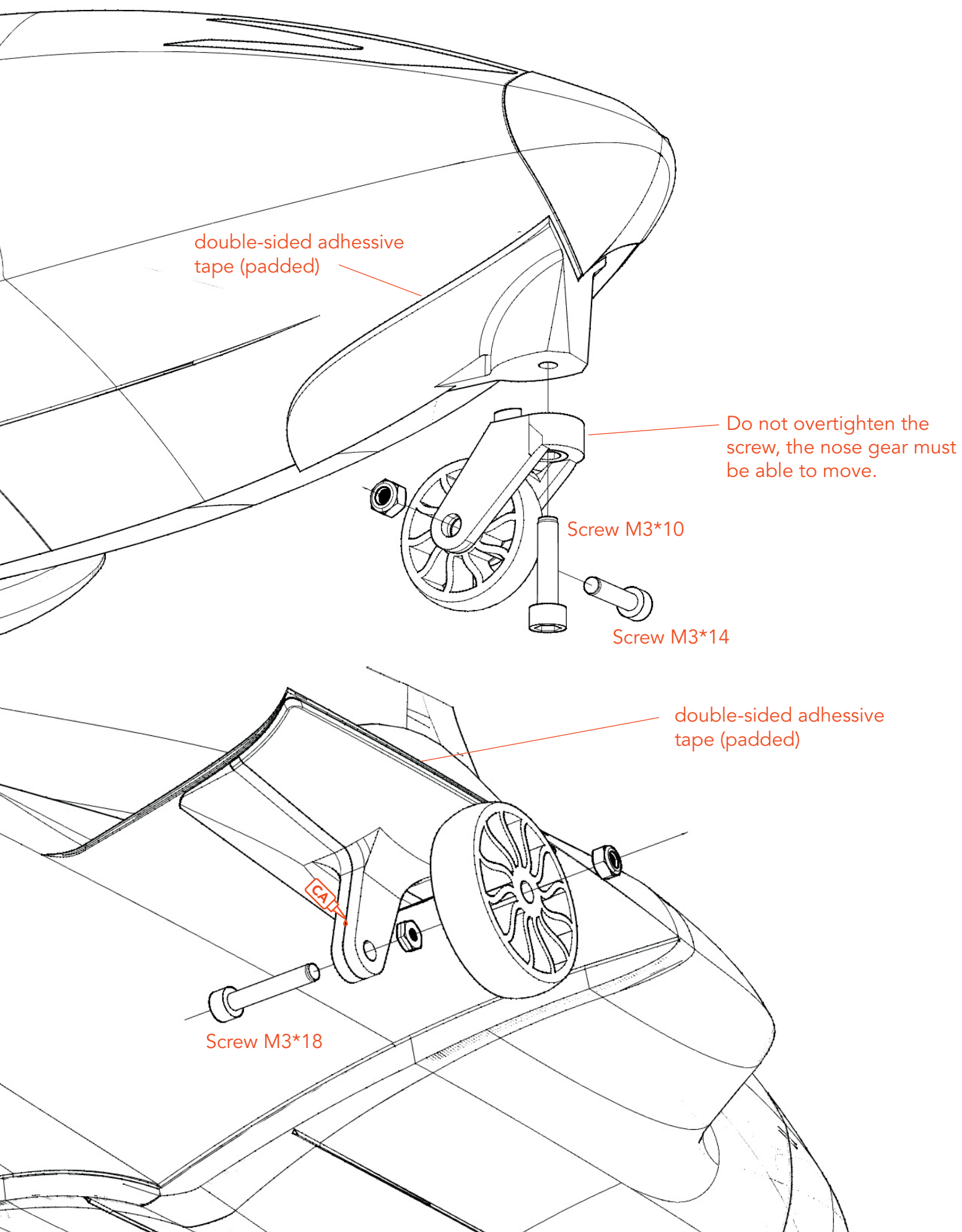
STL file: ICON-WHEELS-p4.stl  
Material: TPU soft or middel  
Weight: ~ 9 g

### ADDITIONAL SETTINGS

Infill Density: 100 %



# CONSTRUCTION MANUAL





DETAIL PHOTOS

