



## Tin Whistle



Acoustic Lemur

[VIEW IN BROWSER](#)

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## Summary

Simple Tin Whistle model in different sizes

[Hobby & Makers](#) > [Music](#)

Tags: [musicalinstrument](#) [tinwhistle](#) [whistle](#)

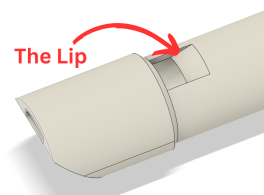
The **tin whistle**, also called the **penny whistle** is a simple six-holed woodwind instrument. It is a type of fipple flute, putting it in the same class as the recorder, Native American flute, and other woodwind instruments that meet such criteria. The tin whistle is closely associated with Irish traditional music and Celtic music.

[wikipedia](#)

This is simple model of Tin Whistle in few different sizes, all of them were created based on [Guido Gonzato's amazing tutorial](#).

## Sound Quality

I printed few of these and sound quality is all over the place. Main culprate for this is quality of the lip. You can pay extra attention to settings in slicer. Or you can



print version without the lip and use small file or sandpaper to create one.

## Files

Each folder contains files for different Whistle size. There is step file that contains all parts of the whistle.

You will need to print one body and one head (with or without lip).

There is an test print file, i suggest printing test file first to ensure inner\_ring and outer\_ring will fit together and lip will print correctly.

## Parametric version

There is F3D file that can be opened in Fusion360, the design is parametric so you can experiment with different dimensions.

body_inner_dia	mm	13 mm	13.00	Inner diameter of the body
body_thickness	mm	1.2 mm	1.20	Thickness of the body
body_length	mm	238 mm	238.00	Length of main section of the body
window_length	mm	4 mm	4.00	Size of the window along X axis
window_width	mm	7 mm	7.00	Size of the window along Y axis
first_hole_pos	mm	96 mm	96.00	First hole position mesured from the lip
second_hole_pos	mm	117 mm	117.00	
third_hole_pos	mm	137 mm	137.00	
fourth_hole_pos	mm	159 mm	159.00	
fifth_hole_pos	mm	177 mm	177.00	
sixth_hole_pos	mm	200 mm	200.00	
first_hole_dia	mm	5 mm	5.00	Diameter of first hole
second_hole_dia	mm	6 mm	6.00	
third_hole_dia	mm	6 mm	6.00	
fourth_hole_dia	mm	4 mm	4.00	
fifth_hole_dia	mm	8 mm	8.00	
sixth_hole_dia	mm	7 mm	7.00	
mouthpiece_lenhth	mm	25 mm	25.00	Length of the mouthpiece
mouthpiece_angle	deg	45 deg	45.0	Angle of the mouthpiece

## Updates

- 2023-05-18
  - reuploaded all models, thanks [@ANerd\\_486744](#) for pointing out that all folders contained models of same sizes

## Model files



256mm

4 files



head\_with\_lip.stl



head\_without\_lip.stl



parts.step



body.stl



279mm

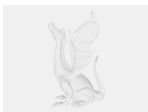
4 files



head\_without\_lip.stl



head\_with\_lip.stl



parts.step



**body.stl**



**297mm**

4 files



**head\_with\_lip.stl**



**head\_without\_lip.stl**



**parts.step**



**body.stl**



**331mm**

4 files



**head\_with\_lip.stl**



**head\_without\_lip.stl**



**parts.step**



**body.stl**



**377mm**

4 files



**head\_with\_lip.stl**



**parts.step**



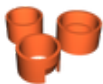
**head\_without\_lip.stl**



**body.stl**



**tin-whistle-v18.f3d**



**test\_print.stl**

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