

Tefifon Replacement Part: Drive Pulley



mageb

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Summary

A replacement part for the German Tefi KC-1 Ra "Schallbandgerät"



4.05 hrs



1 pcs



0.10 mm



0.40 mm



PET



16 g



Prusa
MK3/S/S+

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Tags: **tefifon**

The drive pulley is a part of the Tefifon that rarely needs to be replaced. But I have a pulley that had a deviation of 0.3 mm in concentricity. So I designed this replacement part. My first print only had a deviation of 0.06 mm in concentricity, so it was way better than the original one.

Printing

The part prints in PETG without support. The 3mf and gcode files are provided for download as well as the stl file.

To get the best precision possible I chose the following settings for Printing:

- high quality filament
- 0.1mm layer height
- 3 perimeters
- gyroid infill 25%
- Seam position random

Also the print is performed in very low speed:

- reduced volumetric flow to 1 mm³/s
- reduced travel speed to 10 mm/s for non print moves

I chose most of the settings based on my general experience and gut feeling. Of course, it would be exciting to determine the settings for best precision experimentally. If you have ideas what I could improve, please write it in the comments.

Design and Source Code

The part has been designed using OpenSCAD. I have provided the source code for download.


Happy printing!


If you like this design, then **please leave a like** and also **post a photo in the comments**.

Looking for more Tefifon related stuff? Have a look at my **Tefifon collection**.

You might also want to check out my **other designs**.

Model files

 **Source Code** 2 files

 **teffon-drive-pulley.scad**



lib_markus.scad



tefifon-drive-pulley.stl



tefifon-drive-pulley.3mf

Print files



tefifon-drive-pulley_01mm_petg_mk3s_4h3m.gcode

PET 0.40 mm 0.10 mm 4.05 hrs 16 g Prusa MK3/S/S+

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