



## Radius Gauge Chips R1-30mm with Single Layer Color (no AMS!)



reemo3dp

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## Summary

A compatible, over-engineered remix of the radius gauge chips, with only a single layer of color change

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Tags: [multicolor](#) [gauge](#) [radius](#)

**UPDATE:** There is now a “no\_text” version for each style that comes without the text-object, making it easy to do a single layer swap (on Z0.3) instead.

This remix uses only a single layer for the color change, making it a feasible print for single-extruder single-color printers (like mine).

The **classic** folder contains chips that are identical except for the font and the single layer.

The **classic\_top\_concave** and **classic\_top\_convex** models are compatible with the original model and only change the font to be a single layer color change.

The **remix** folder is over-engineering a completely fine original model by adding a **tab on the side** and reducing the side-length by 0.1mm for

**easier retrieval** and **rotates the text by 90°** for better readability when looking for a particular radius.

The **remix\_bottom** model over-engineers the bottom by removing one side (adding a small chamfer), making it easier to tip over a chip you want to retrieve.

### **Print Settings: Chips**

- Import only geometry and import objects as parts (in OrcaSlicer that means clicking Yes 30 times)
- Change the second part for each object to the text color
- 9999 Top Layers
- 0.25/0.2mm layer height (important, the chips **must not** be taller than 2mm)
- Manually change sequence in your slicer so that the the text is printed last (so two color changes)
- Slow down your first layer by a lot (15-30mm/s max) so that the text turns out crisp

### **Print Settings: Box**

- Infill: 15% Gyroid is sufficient
- Walls: 3-4
- Bottom/Top: 3-4
- **Top Parts:**
  - Import only geometry and import objects as parts (in OrcaSlicer that means clicking Yes 30 times)
  - Change the second part for each object to the text color
  - Manually change sequence in your slicer so that the the text is printed last (so two color changes)
  - Slow down your first layer by a lot (15-30mm/s max) so that the text turns out crisp

### **Source Code**

[https://github.com/reemo3dp/radius\\_gauge/](https://github.com/reemo3dp/radius_gauge/)

**This remix is based on**



# Radius Gauge R1-30mm

by RestoreDoctor

## Model files



Classic (No Text, Layer Swap)

60 files



classic\_no\_text\_convex\_r3.3mf



classic\_no\_text\_convex\_r2.3mf



classic\_no\_text\_convex\_r1.3mf



classic\_no\_text\_convex\_r4.3mf



classic\_no\_text\_convex\_r5.3mf



classic\_no\_text\_convex\_r7.3mf



classic\_no\_text\_concave\_r1.3mf



**classic\_no\_text\_convex\_r6.3mf**



**classic\_no\_text\_convex\_r9.3mf**



**classic\_no\_text\_convex\_r8.3mf**



**classic\_no\_text\_convex\_r16.3mf**



**classic\_no\_text\_convex\_r11.3mf**



**classic\_no\_text\_concave\_r9.3mf**



**classic\_no\_text\_concave\_r4.3mf**



**classic\_no\_text\_concave\_r5.3mf**



**classic\_no\_text\_convex\_r13.3mf**



**classic\_no\_text\_concave\_r3.3mf**



**classic\_no\_text\_concave\_r6.3mf**



**classic\_no\_text\_convex\_r14.3mf**



**classic\_no\_text\_convex\_r27.3mf**



**classic\_no\_text\_convex\_r10.3mf**



**classic\_no\_text\_convex\_r17.3mf**



**classic\_no\_text\_convex\_r18.3mf**



**classic\_no\_text\_convex\_r30.3mf**



**classic\_no\_text\_convex\_r21.3mf**



**classic\_no\_text\_concave\_r2.3mf**



**classic\_no\_text\_convex\_r29.3mf**



**classic\_no\_text\_convex\_r26.3mf**



**classic\_no\_text\_concave\_r8.3mf**



**classic\_no\_text\_concave\_r7.3mf**



**classic\_no\_text\_convex\_r25.3mf**



**classic\_no\_text\_concave\_r15.3mf**



**classic\_no\_text\_concave\_r18.3mf**



**classic\_no\_text\_concave\_r30.3mf**



**classic\_no\_text\_concave\_r29.3mf**



**classic\_no\_text\_concave\_r17.3mf**



**classic\_no\_text\_convex\_r12.3mf**



**classic\_no\_text\_convex\_r22.3mf**



**classic\_no\_text\_concave\_r26.3mf**



**classic\_no\_text\_concave\_r10.3mf**



**classic\_no\_text\_concave\_r11.3mf**



**classic\_no\_text\_convex\_r28.3mf**



**classic\_no\_text\_convex\_r23.3mf**



**classic\_no\_text\_concave\_r14.3mf**



**classic\_no\_text\_concave\_r24.3mf**



**classic\_no\_text\_concave\_r21.3mf**



**classic\_no\_text\_concave\_r23.3mf**



**classic\_no\_text\_concave\_r20.3mf**



**classic\_no\_text\_concave\_r22.3mf**



**classic\_no\_text\_concave\_r12.3mf**



**classic\_no\_text\_concave\_r27.3mf**



**classic\_no\_text\_convex\_r20.3mf**



**classic\_no\_text\_concave\_r16.3mf**



**classic\_no\_text\_concave\_r13.3mf**



**classic\_no\_text\_concave\_r25.3mf**



**classic\_no\_text\_convex\_r24.3mf**



**classic\_no\_text\_concave\_r19.3mf**





**classic\_no\_text\_convex\_r15.3mf**



**classic\_no\_text\_concave\_r28.3mf**



**classic\_no\_text\_convex\_r19.3mf**



**Remix**

60 files



**remix\_concave\_r1.3mf**



**remix\_concave\_r2.3mf**



**remix\_concave\_r3.3mf**



**remix\_concave\_r4.3mf**



**remix\_concave\_r5.3mf**



**remix\_concave\_r6.3mf**



**remix\_concave\_r7.3mf**



**remix\_concave\_r9.3mf**

**remix\_concave\_r11.3mf**



**remix\_concave\_r14.3mf**



**remix\_concave\_r16.3mf**



**remix\_concave\_r18.3mf**



**remix\_concave\_r20.3mf**



**remix\_concave\_r21.3mf**



**remix\_concave\_r23.3mf**



**remix\_concave\_r28.3mf**



**remix\_convex\_r2.3mf**



**remix\_convex\_r6.3mf**



**remix\_concave\_r27.3mf**



**remix\_convex\_r14.3mf**



**remix\_convex\_r15.3mf**



**remix\_convex\_r25.3mf**



**remix\_convex\_r26.3mf**



**remix\_convex\_r9.3mf**



**remix\_concave\_r19.3mf**



**remix\_concave\_r8.3mf**



**remix\_concave\_r29.3mf**



**remix\_convex\_r5.3mf**



**remix\_convex\_r29.3mf**



**remix\_concave\_r26.3mf**



**remix\_convex\_r3.3mf**



**remix\_concave\_r15.3mf**



**remix\_convex\_r20.3mf**



**remix\_convex\_r28.3mf**



**remix\_concave\_r13.3mf**



**remix\_concave\_r30.3mf**



**remix\_convex\_r4.3mf**



**remix\_convex\_r27.3mf**



**remix\_concave\_r24.3mf**



**remix\_convex\_r21.3mf**



**remix\_convex\_r17.3mf**



**remix\_convex\_r10.3mf**



**remix\_convex\_r12.3mf**



**remix\_convex\_r18.3mf**



**remix\_concave\_r10.3mf**



**remix\_concave\_r22.3mf**



**remix\_convex\_r22.3mf**



**remix\_convex\_r16.3mf**



**remix\_convex\_r23.3mf**



**remix\_convex\_r8.3mf**



**remix\_convex\_r13.3mf**



**remix\_concave\_r12.3mf**



**remix\_convex\_r24.3mf**



**remix\_concave\_r17.3mf**



**remix\_convex\_r1.3mf**



**remix\_convex\_r19.3mf**



**remix\_concave\_r25.3mf**



**remix\_convex\_r30.3mf**



**remix\_convex\_r11.3mf**



**remix\_convex\_r7.3mf**



**Classic**

60 files



**classic\_concave\_r21.3mf**



**classic\_concave\_r24.3mf**



**classic\_concave\_r30.3mf**



**classic\_convex\_r1.3mf**

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**classic\_concave\_r22.3mf**

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**classic\_concave\_r29.3mf**

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**classic\_concave\_r2.3mf**

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**classic\_concave\_r25.3mf**

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**classic\_concave\_r23.3mf**

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**classic\_concave\_r27.3mf**

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**classic\_concave\_r26.3mf**

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**classic\_concave\_r28.3mf**

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**classic\_convex\_r13.3mf**

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**classic\_convex\_r10.3mf**



**classic\_convex\_r26.3mf**



**classic\_convex\_r21.3mf**



**classic\_convex\_r6.3mf**



**classic\_convex\_r11.3mf**



**classic\_convex\_r3.3mf**



**classic\_convex\_r25.3mf**



**classic\_convex\_r14.3mf**



**classic\_convex\_r4.3mf**



**classic\_convex\_r20.3mf**



**classic\_convex\_r2.3mf**

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**classic\_convex\_r22.3mf**

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**classic\_convex\_r30.3mf**

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**classic\_convex\_r17.3mf**

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**classic\_convex\_r15.3mf**

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**classic\_convex\_r23.3mf**

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**classic\_concave\_r10.3mf**

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**classic\_concave\_r17.3mf**

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**classic\_concave\_r14.3mf**

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**classic\_convex\_r9.3mf**

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**classic\_concave\_r15.3mf**



**classic\_concave\_r13.3mf**



**classic\_convex\_r12.3mf**



**classic\_convex\_r29.3mf**



**classic\_concave\_r8.3mf**



**classic\_concave\_r5.3mf**



**classic\_concave\_r4.3mf**



**classic\_convex\_r16.3mf**



**classic\_convex\_r8.3mf**



**classic\_concave\_r11.3mf**



**classic\_concave\_r12.3mf**



**classic\_concave\_r16.3mf**



**classic\_convex\_r5.3mf**



**classic\_convex\_r18.3mf**



**classic\_convex\_r7.3mf**



**classic\_convex\_r19.3mf**



**classic\_concave\_r9.3mf**



**classic\_concave\_r7.3mf**



**classic\_convex\_r28.3mf**



**classic\_concave\_r1.3mf**



**classic\_convex\_r24.3mf**



**classic\_concave\_r20.3mf**



**classic\_concave\_r6.3mf**



**classic\_concave\_r18.3mf**



**classic\_concave\_r3.3mf**



**classic\_convex\_r27.3mf**



**classic\_concave\_r19.3mf**



**Remix (No Text, Layer Swap)**

60 files



**remix\_no\_text\_convex\_r4.3mf**



**remix\_no\_text\_convex\_r1.3mf**



**remix\_no\_text\_convex\_r5.3mf**



**remix\_no\_text\_convex\_r3.3mf**



**remix\_no\_text\_concave\_r7.3mf**



**remix\_no\_text\_concave\_r3.3mf**



**remix\_no\_text\_convex\_r2.3mf**



**remix\_no\_text\_concave\_r5.3mf**



**remix\_no\_text\_convex\_r8.3mf**



**remix\_no\_text\_concave\_r8.3mf**



**remix\_no\_text\_convex\_r7.3mf**



**remix\_no\_text\_convex\_r14.3mf**



**remix\_no\_text\_convex\_r12.3mf**



**remix\_no\_text\_convex\_r15.3mf**



**remix\_no\_text\_convex\_r17.3mf**



**remix\_no\_text\_concave\_r10.3mf**



**remix\_no\_text\_concave\_r15.3mf**



**remix\_no\_text\_concave\_r9.3mf**



**remix\_no\_text\_convex\_r10.3mf**



**remix\_no\_text\_convex\_r22.3mf**



**remix\_no\_text\_convex\_r26.3mf**



**remix\_no\_text\_concave\_r19.3mf**



**remix\_no\_text\_concave\_r13.3mf**



**remix\_no\_text\_convex\_r25.3mf**



**remix\_no\_text\_concave\_r22.3mf**



**remix\_no\_text\_convex\_r13.3mf**



**remix\_no\_text\_convex\_r24.3mf**



**remix\_no\_text\_concave\_r21.3mf**



**remix\_no\_text\_convex\_r19.3mf**



**remix\_no\_text\_convex\_r20.3mf**



**remix\_no\_text\_convex\_r29.3mf**





**remix\_no\_text\_convex\_r18.3mf**



**remix\_no\_text\_convex\_r28.3mf**



**remix\_no\_text\_concave\_r28.3mf**



**remix\_no\_text\_concave\_r17.3mf**



**remix\_no\_text\_concave\_r20.3mf**



**remix\_no\_text\_concave\_r24.3mf**



**remix\_no\_text\_concave\_r14.3mf**



**remix\_no\_text\_convex\_r30.3mf**



**remix\_no\_text\_convex\_r21.3mf**



**remix\_no\_text\_concave\_r11.3mf**

**remix\_no\_text\_concave\_r29.3mf**



**remix\_no\_text\_concave\_r27.3mf**



**remix\_no\_text\_concave\_r18.3mf**



**remix\_no\_text\_convex\_r11.3mf**



**remix\_no\_text\_concave\_r26.3mf**



**remix\_no\_text\_concave\_r6.3mf**



**remix\_no\_text\_concave\_r12.3mf**



**remix\_no\_text\_concave\_r16.3mf**



**remix\_no\_text\_concave\_r23.3mf**



**remix\_no\_text\_convex\_r27.3mf**





**remix\_no\_text\_convex\_r16.3mf**



**remix\_no\_text\_concave\_r25.3mf**



**remix\_no\_text\_convex\_r23.3mf**



**remix\_no\_text\_concave\_r30.3mf**



**remix\_no\_text\_concave\_r4.3mf**



**remix\_no\_text\_convex\_r6.3mf**



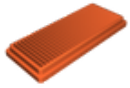
**remix\_no\_text\_concave\_r1.3mf**



**remix\_no\_text\_convex\_r9.3mf**

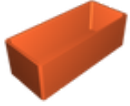


**remix\_no\_text\_concave\_r2.3mf**



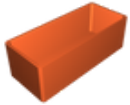
**remix\_bottom.3mf**

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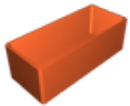
**classic\_top\_concave.3mf**

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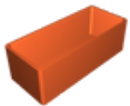
**classic\_top\_convex.3mf**

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**remix\_top\_no\_text\_convex.3mf**

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**remix\_top\_no\_text\_concave.3mf**

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