

Large Radius Gauges - Inch



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[VIEW IN BROWSER](#)

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Summary

These are radius gauges for large radii - eleven gauges covering the range from 2 to 48 inches.



7.31 hrs



5 pcs



0.20 mm



0.40 mm



PLA



87 g



Prusa
MK3/S/S+

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Tags: [gage](#) [curve](#)

These are radius gauges for large radii - eleven gauges covering the range from 2 to 48 inches. Each edge of the gauge is either a convex or concave radius. Files for a box to hold the gauges are included.

These gauges are useful when you need to design something to fit closely to a large curved surface; at a minimum they can provide a starting point for making a test fit.

For similar gauges in metric measurements, see here :

<https://www.prusaprinters.org/prints/44576-large-radius-gauge-metric>

The OnShape 3D CAD files for these are here :

<https://cad.onshape.com/documents/424fa720a08cbff0d0b8e16b/w/48b74658e688a91d874c1486/e/c791675e54ceb46581a6558e>

Print instructions

Print in PLA using the 3mf files provided;; otherwise :

- 100% infill
- top/bottom infill = concentric

I recommend printing in orange or yellow - makes it easier to find them on your messy bench in the shop!

Model files



r8-gauge.stl



r2-16.3mf



r4-gauge.stl



r20-24.3mf



r2-gauge.stl



r12-gauge.stl



r16-gauge.stl



r20-gauge.stl



r28-40.3mf



r28-gauge.stl



r32-gauge.stl



r24-gauge.stl



r36-gauge.stl



r40-gauge.stl



box-holder.stl



box-holder.3mf



box-lidinch.3mf



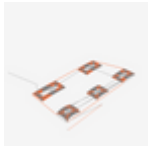
box-lidinch.stl

Print files



r20-24_02mm_pla_mk3s_53m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 0.88 hrs ⚖️ 11 g 🖨️ Prusa MK3/S/S+



r2-16_02mm_pla_mk3s_1h30m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 1.50 hrs ⚖️ 19 g 🖨️ Prusa MK3/S/S+



r28-40_02mm_pla_mk3s_2h14m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 2.24 hrs ⚖️ 30 g 🖨️ Prusa MK3/S/S+



box-holder_02mm_pla_mk3s_1h23m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 1.38 hrs ⚖️ 14 g 🖨️ Prusa MK3/S/S+



box-lidinch_02mm_pla_mk3s_1h19m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 1.31 hrs ⚖️ 13 g 🖨️ Prusa MK3/S/S+

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing/4444444)

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