



Split Ring



TrocheHole

[VIEW IN BROWSER](#)

updated 11. 2. 2022 | published 17. 1. 2022

Summary

A removable ring that is harder to use than carabiners, but sturdy and simple shape.



0.30 hrs



1 pcs



0.20 mm



0.40 mm



2



2.00 g



Other

[Sports & Outdoor](#) > [Outdoor Sports](#)

Tags: [ring](#) [keychain](#) [keyring](#) [sturdy](#) [simple](#) [strong](#)
[carabiner](#) [durable](#) [tough](#)

2 shapes and 6 sizes each.

A removable ring that is harder to use than carabiners. But I wanted a sturdy one with a simple shape, so I designed this.

2 types of data are available for each ring.

[Easy-to-Print] – Larger tolerance. The end of the ring-line **comes off easily**.

[Hard-to-Print] – Smaller tolerance. The end of the ring-line **can be held in place**.

Print Instructions

If the printed ring sticks together and does not open, try scaling up an Easy-to-Print model in a slicer. (e.g. 120% or more)
This will increase the clearance between the inner and outer rings and make it even easier to print.

Brims/Rafts – Doesn't Matter

Supports – No

Filament material – ABS (or high toughness one)

How to Use

Open –

This split ring does not open horizontally. To open it, shift the end of the outer ring-line vertically.

Close –

There are notches on both ends of the ring-line to hold them in place. Therefore, the inner end needs to be fitted first to close the ring. The outer end should be fitted last.



Sizes

Shape No.* – external dimension (and width of ring-line)

Circle No.3 – DIA14.1 x T2.4 mm (3 mm) – similar in size to a fingernail

Circle No.4 – DIA18.8 x T3.2 mm (4 mm)

Circle No.5 – DIA23.5 x T4.0 mm (5 mm)

Circle No.6 – DIA28.2 x T4.8 mm (6 mm) – similar in size to a plastic bottle cap

Circle No.7 – DIA32.9 x T5.6 mm (7 mm)

Circle No.8 – DIA37.6 x T6.4 mm (8 mm)

Oval No.3 – W19.5 x H14.1 x T2.4 mm (3 mm) – similar in size to a fingernail

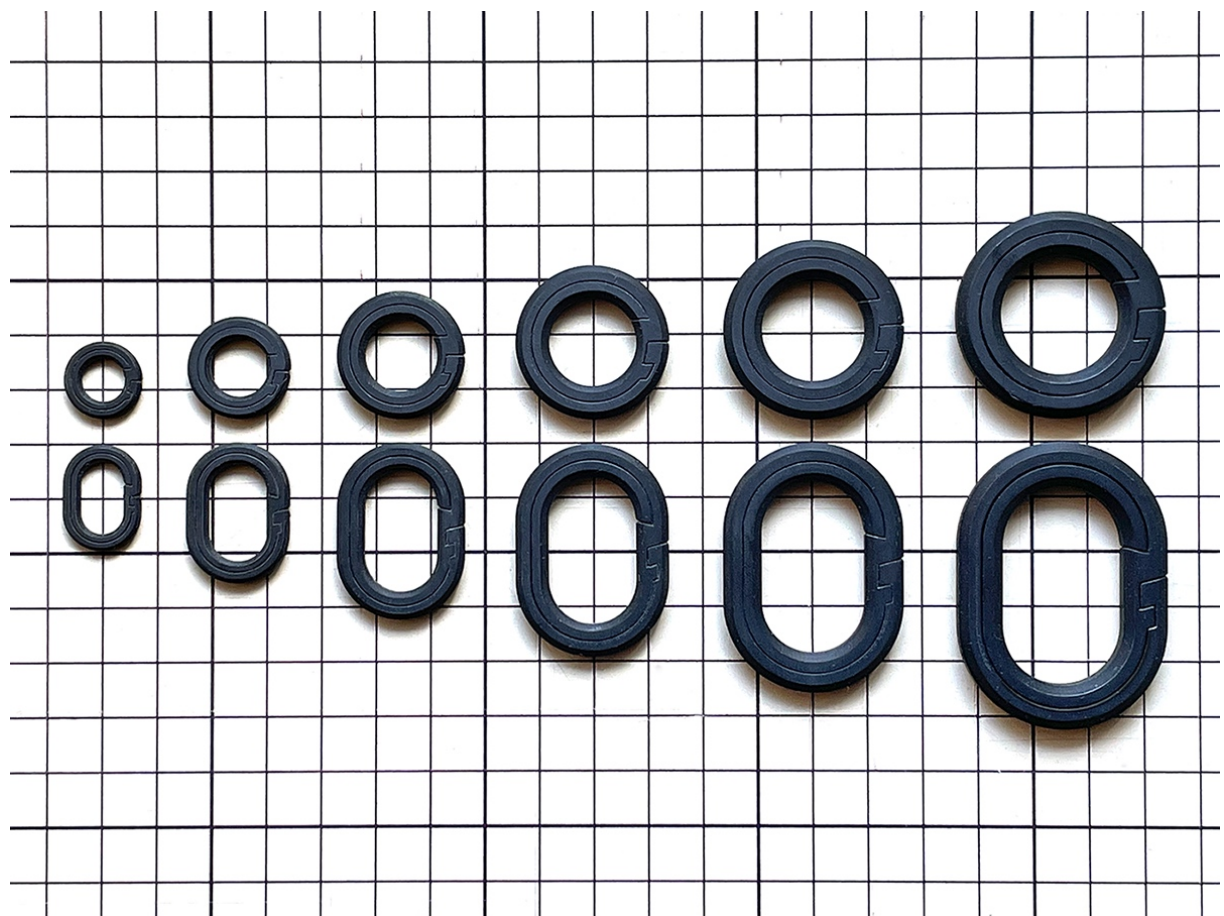
Oval No.4 – W26.0 x H18.8 x T3.2 mm (4 mm)

Oval No.5 – W32.5 x H23.5 x T4.0 mm (5 mm) – similar in size to an SD card

Oval No.6 – W39.0 x H28.2 x T4.8 mm (6 mm)

Oval No.7 – W45.5 x H32.9 x T5.6 mm (7 mm)

Oval No.8 – W52.0 x H37.6 x T6.4 mm (8 mm)



Print Files (.gcode)

[↓ DOWNLOAD ALL FILES](#)

[Easy-to-Print]_SplitRing_Circle_No.6.gcode 1.7 MB

updated 20. 1. 2022

⌚ 0.30 hrs ⚖ 0.20 mm 🌀 0.40 mm 🌀 ABS ⚖ 2.00 g



Model Files (.stl, .3mf, .obj, .amf)

[↓ DOWNLOAD ALL FILES](#)

Easy-to-Print

12 files



[Easy-to-Print]_SplitRing_Circle_No.3.stl 282.4 KB

updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Circle_No.4.stl 283.7 KB

updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Circle_No.5.stl 283.6 KB

updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Circle_No.6.stl 285.7 KB

updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Circle_No.7.stl 286.5 KB

updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Circle_No.8.stl 284.3 KB

updated 20. 1. 2022





[Easy-to-Print]_SplitRing_Oval_No.3.stl 253.7 KB
updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Oval_No.4.stl 253.3 KB
updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Oval_No.5.stl 253.2 KB
updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Oval_No.6.stl 253.0 KB
updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Oval_No.7.stl 253.4 KB
updated 20. 1. 2022



[Easy-to-Print]_SplitRing_Oval_No.8.stl 253.2 KB
updated 20. 1. 2022



Hard-to-Print

12 files



[Hard-to-Print]_SplitRing_Circle_No.3.stl 284.1 KB
updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Circle_No.4.stl 283.4 KB
updated 20. 1. 2022





[Hard-to-Print]_SplitRing_Circle_No.5.stl 285.0 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Circle_No.6.stl 285.4 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Circle_No.7.stl 278.9 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Circle_No.8.stl 273.7 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.3.stl 253.9 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.4.stl 253.1 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.5.stl 253.0 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.6.stl 253.0 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.7.stl 253.2 KB

updated 20. 1. 2022



[Hard-to-Print]_SplitRing_Oval_No.8.stl 253.0 KB

updated 20. 1. 2022



License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition