Oval Carabiner (7 sizes)

TrocheHole

VIEW IN BROWSER

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Summary

Sturdy carabiner with a simple shape, available in 7 sizes.

0.35 hrs	1 pcs	0.15 mm	0.40 mm	PET	3 g	Prusa MINI / MINI+

Sports & Outdoor > Outdoor Sports

Tags: ring printinplace keychain snapfit key keyring onepiece strong integrated durable robust karabiner

Sturdy carabiner with a simple shape, available in 7 sizes.

[Information]

Even sturdier removable rings are available on the following page.

“Split Ring (6 sizes)”

Printing Difficulty

4 types of data are available for each size.

For sturdier and more reliable carabiners, it is recommended to **print with the [HARD] type**.

Having said that, it is best to enjoy this model. It doesn't matter which type you use depending on the condition of your printer.

———————

[HARD]
– CLR 0.20mm. **Hard to print**, but the joint part **can be held firmly in place** with snap-fit.

[MEDIUM]
– CLR 0.25mm. Between [HARD] and [EASY].

[EASY]
– CLR 0.30mm. **Easy to print**, but the joint part **comes off easily**. Probably not compatible with snap-fit.

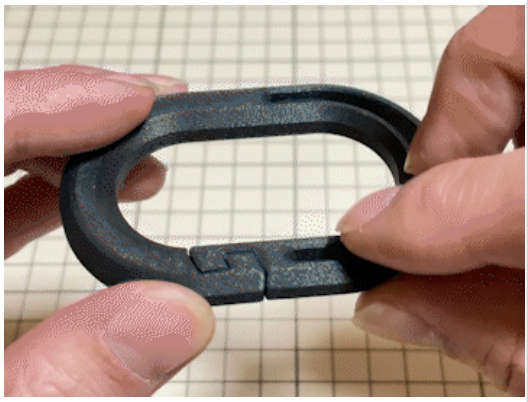
[SuperEASY]
– CLR 0.35mm. Please use only if printing with [EASY] is just not going well.

———————

*CLR: the clearance at the joint

Post-Printing Tips –

Even if the joint part of the carabiner sticks after printing, it may come off if you **pinch it with both hands and wriggle it**.

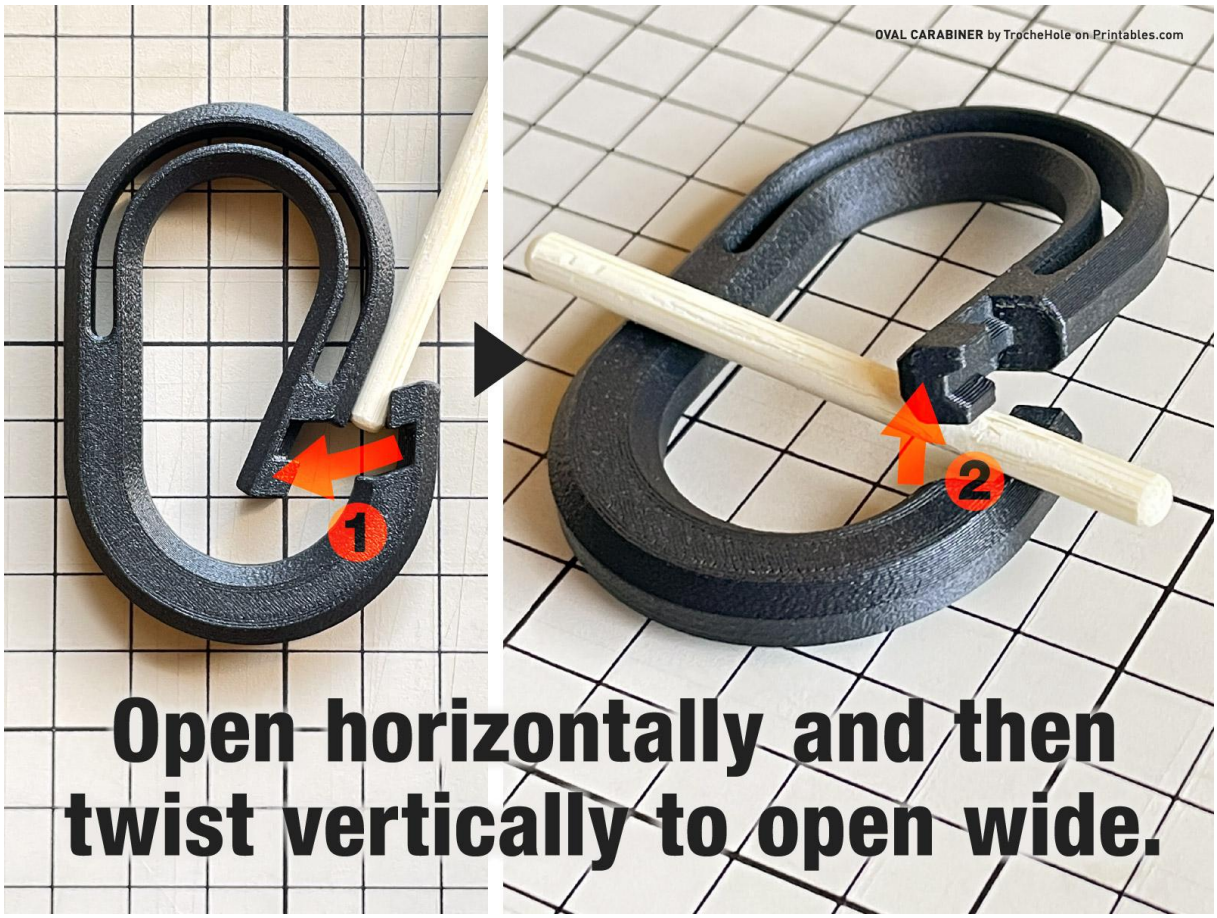


Print Settings

Nozzle – 0.4mm (For the “No.4” size, 0.3mm or less is recommended.)
Layer height – ≤ 0.15mm
Perimeters – ≥ 3 walls (1.2mm)
Supports – No

How to Use

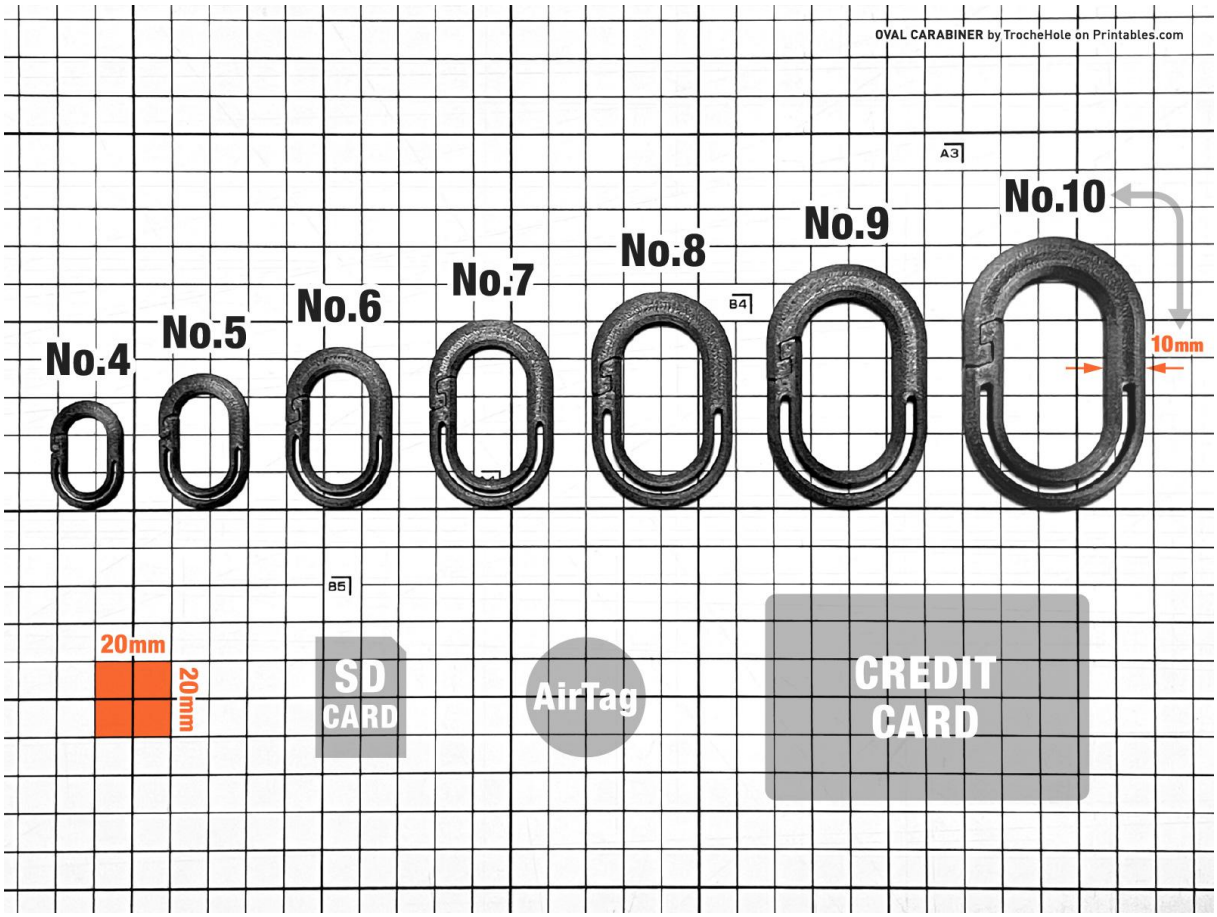
This carabiner is designed with priority given to sturdy construction, so it opens only slightly.
It can be opened relatively wide by **opening it horizontally and then twisting it vertically**.



Sizes

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

No. 4 – W28.4 x L18.8 x T3.2 mm (4 mm)
No. 5 – W35.5 x L23.5 x T4.0 mm (5 mm)
No. 6 – W42.6 x L28.2 x T4.8 mm (6 mm)
No. 7 – W49.7 x L32.9 x T5.6 mm (7 mm)
No. 8 – W56.8 x L37.6 x T6.4 mm (8 mm)
No. 9 – W63.9 x L42.3 x T7.2 mm (9 mm)
No.10 – W71.0 x L47.0 x T8.0 mm (10 mm)



Model files

Clearance 0.20mm - Hard 7 files

- hard_ovalcarabiner_no4.stl
- hard_ovalcarabiner_no5.stl
- hard_ovalcarabiner_no6.stl
- hard_ovalcarabiner_no7.stl
- hard_ovalcarabiner_no8.stl
- hard_ovalcarabiner_no9.stl

hard_ovalcarabiner_no10.stl

Clearance 0.25mm - Medium

7 files

- medium_ovalcarabiner_no4.stl
- medium_ovalcarabiner_no5.stl
- medium_ovalcarabiner_no6.stl
- medium_ovalcarabiner_no7.stl
- medium_ovalcarabiner_no8.stl
- medium_ovalcarabiner_no9.stl
- medium_ovalcarabiner_no10.stl

Clearance 0.30mm - Easy

7 files

- easy_ovalcarabiner_no4.stl
- easy_ovalcarabiner_no5.stl
- easy_ovalcarabiner_no6.stl
- easy_ovalcarabiner_no7.stl
- easy_ovalcarabiner_no8.stl
- easy_ovalcarabiner_no9.stl

easy_ovalcarabiner_no10.stl

Clearance 0.35mm - SuperEasy 7 files

supereasy_ovalcarabiner_no4.stl

supereasy_ovalcarabiner_no5.stl

supereasy_ovalcarabiner_no6.stl

supereasy_ovalcarabiner_no7.stl

supereasy_ovalcarabiner_no8.stl

supereasy_ovalcarabiner_no9.stl

supereasy_ovalcarabiner_no10.stl

Print files

hard_ovalcarabiner_no6_015mm_petg_mini_21m.gcode

PET 0.40 mm 0.15 mm 0.35 hrs 3 g Prusa MINI / MINI+

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