



Easy to print AirTag Case (with multiple Variants)



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Summary

Easy to Print AirTag case, which can be used as/with a simple protective case, sticky back, keyring, safety pin

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This AirTag Case has been designed to be very easy to print and offers a few variations. The case uses a very simple but secure clipping mechanism.

For the top cap there is a option with

1. two big slots,
2. one with four smaller ones,
3. one variant with no slots.

You can therefore choose the top based on how easy/hard it should be to remove the AirTag from its case.

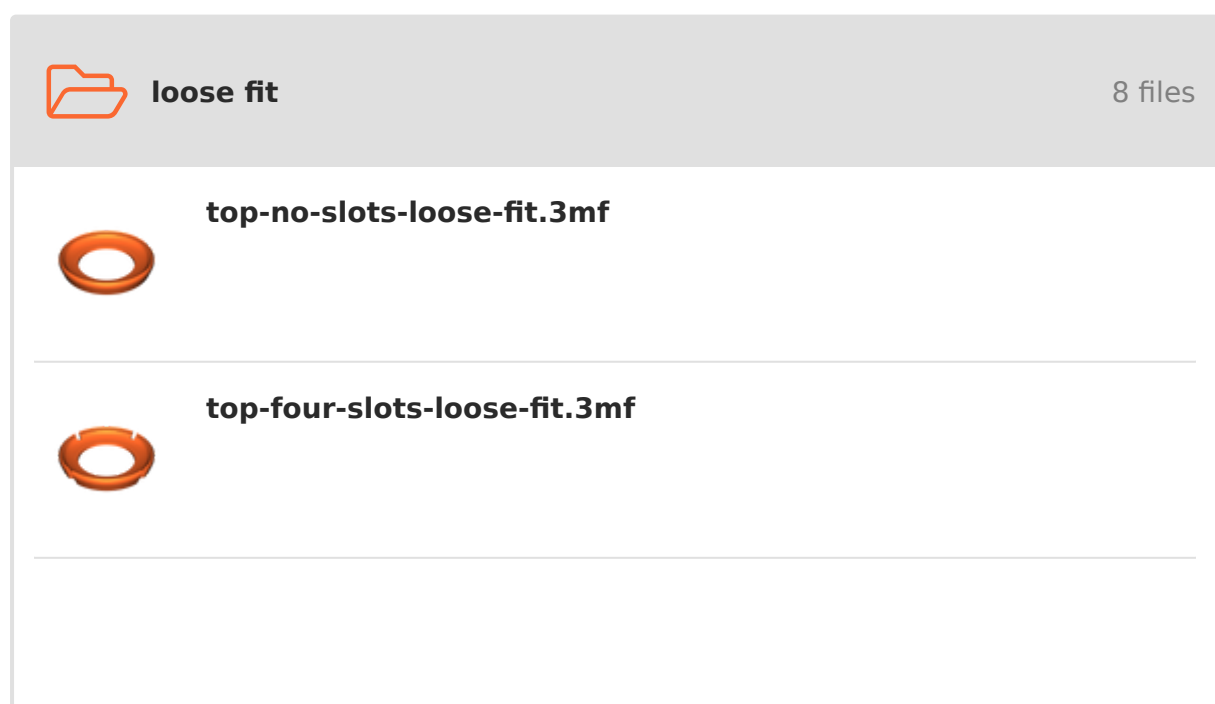
For the bottom there are five variants.

1. **safety-pin** My main idea was to use safety-pins as attachment so you can secure the AirTag to the inside or outside of a bag. Or you could attach it to the pocket of your child in a theme park for example.
2. **double safety-pin** The second variant is like the first one just with the safety-pin connection on both sides
3. **Simple** One without any special additions, which can be used as a case or a double-sided tape can be applied to the flat bottom and you can stick it anywhere you want. Also you could add anything you want via a remix:)
4. **Keyring** simple Keyring to put on your keys for example, noting special
5. **Simple with slots** slotted variant for easy removal

You can mix and match any combination you want and the Connection stays strong. The AirTag isn't cut out of the case with zero tolerance but rather with 0,1-0,2 mm wiggle room so pretty much anybody can print it. There is also an even easier version with about 0,3 mm wiggle room. Should you want a connection which is 100 % secure you could use a loose bottom and a tight cap. This connection is pretty hard to click into place and pretty much doesn't come apart unless you break the case.

This is my first real 3D Model so I would appreciate feedback thank you:)

Model files





bottom-simple-sticky-back-loose-fit.3mf



bottom-slots-loose-fit.3mf



bottom-safety-pin-2-loose-fit.3mf



bottom-keyring-loose-fit.3mf



bottom-safety-pin-1-loose-fit.3mf



top-two-slots-loose-fit.3mf



tight fit

9 files



bottom-keyring-tight-fit.3mf



bottom-safety-pin-2-tight-fit.3mf



bottom-simple-sticky-back-tight-fit.3mf



bottom-slots-tight-fit.3mf



top-two-slots-tight-fit.3mf



top-four-slots-tight-fit.3mf



top-no-slots-tight-fit.3mf



bottom-safety-pin-1-tight-fit.3mf



all-options-tight-fit.3mf

[Find source .stl files on Thingiverse.com](#)

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