**Read Me**

Thank you for purchasing a 2023 void3d design. Here you will find some notes that I hope makes your use of the design far more enjoyable.

**PRINT RECOMENDATIONS**

* Material: pla+ or stronger, Abs and nylon are preferred. (Tpu is ok but testing has been limited)
* Orientation: threads up.
* Note: these are plastic muzzle attachments, if you get your barrel above the melting point of your plastic, it will melt and fail.
* Consider using a wider line setting than nozzle size, the resulting squish can increase layer adhesion,
* 100% infill or all walls.
* No support, or support on build plate only,

**HARDWARE**

* 1/2x28 insert type A: https://www.amazon.com/Ficero-Thread-Protector-22LR-223/dp/B096MWQTQ2/ref=sr\_1\_5?crid=274VHYF5OFHJY&keywords=1%2F2x28%2Bthread%2Bprotector&qid=1672706842&sprefix=1%2F2x28%2Bthread%2Bprotector%2Caps%2C91&sr=8-5&th=1
* 5/8x24 insert type A: https://www.amazon.com/Ficero-Thread-Protector-LR308-Washer/dp/B09Q5G7F1T/ref=sr\_1\_3?crid=1OFE0PYZL7UDA&keywords=5%2F8x24%2Bthread%2Bprotector%2Bficero&qid=1672706925&sprefix=5%2F8x24%2Bthread%2Bprotector%2Bficero%2Caps%2C94&sr=8-3&th=1
* 1/2x28 insert type B: All of the type b silencers are threaded in 3/4X16, to accommodate the many thread adapters that translate down to any thread type your barrel may have.
* 5/8x24 insert type B: All of the type b silencers are threaded in 3/4X16, to accommodate the many thread adapters that translate down to any thread type your barrel may have.
* Insert type A jig files: https://www.void3darmory.com/projects-2-1
* M5 set screws for type A: https://www.amazon.com/s?k=m5+x10mm+set+screw&crid=30GDTE7PVFNVW&sprefix=m5+x10mm+set+screw%2Caps%2C92&ref=nb\_sb\_noss

**METAL INSERTS**

We have 2 different options for threaded inserts in the void3d silencers,

* TYPE A, is a thread protector style insert with a grove around the circumference, of the insert. Once inserted into the silencer the insert is locked in place with set screws around the can. This insert can be made permanent for serial numbering by filling the set screw access with plastic or epoxy, and will need to be ordered from a machine shop, or made diy from a ficero thread protector on amazon (using an insert jig rom the void3darmory free download page, and a file).
* TYPE B: is a thread adapter insert that is a larger more coarse thread outside, providing better bite in the plastic, and standard barrel threads on the inside. This insert is available ready to use from amazon.com, but isnt considered a permanent fixture by the atf.

**PLASTIC THREADS.**

* For plastic threads print the type A can and the type A insert, lock the insert in place with the set screws as you would with the metal insert,
* Why plastic threads? You could print the insert out of higher temp plastic or at different settings, resulting in stronger threads than if they were 1 piece, and when they do damage, they can be disposed of and replaced.

*DISCLAIMER,*

Silencers are regulated items in many countries including most of the United States, and require approval and registration. Please follow your local laws regarding regulated items.