

## Which parts of a 3D printed glock has to be real?

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I must first clarify that 3D printing a firearm, including a Glock, may be illegal in certain jurisdictions. I advise you to research and comply with local laws and regulations before attempting to print a firearm.

That being said, in the United States, the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) has issued guidance on 3D printing firearms. According to this guidance, certain parts of a 3D printed Glock, or any firearm for that matter, must be made from metal or other materials that can withstand the pressures and heat generated by firing a round. These parts are:

1. The barrel: The barrel must be made from a material that can withstand the heat and pressure of the explosion that propels the bullet out of the firearm.
2. The breech or bolt face: This is the part of the firearm that contains the firing pin and strikes the primer of the cartridge to ignite the gunpowder. It must be made from a strong, durable material.
3. The bolt carrier: This part of the firearm moves back and forth to load and eject cartridges. It must be made from a material that can withstand the force of repeated firing.
4. The chamber: This is the area of the firearm where the cartridge is loaded before firing. It must be made from a material that can withstand the pressure generated by firing the round.
5. The trigger: The trigger must be made from a durable material that can withstand the force of repeated use.

In summary, while some parts of a 3D printed Glock can be made from plastic or other materials, the barrel, breech or bolt face, bolt carrier, chamber, and trigger must be made from a material that can withstand the pressures and heat generated by firing a round. It's important to note that laws and regulations regarding the manufacturing of firearms vary by country and state, and it is important to research and comply with local laws before attempting to 3D print a firearm.

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Related [Can you really 3D print a glock? If yes, how effective would it be?](#)You can print the *frame*.

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After that, you need all the parts, and get to do the assembly.

When it's all done, all the moving parts are real Glock... and the frame is plastic, generally not quite the same plastic as a real Glock, but close enough.

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**"Do 3D printed guns work?"**

Yes, if you have the know how.

I have spent hundreds of dollars on my 3d printer, including upgrades and improvements. I also was raised with firearms and consider myself a marksman and firearms hobbyist.

That being said, you couldn't pay me to shoot one of these 3d printed guns with my own hand.

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Well, 3D printed guns are firearms that are produced using an additive manufacturing process, rather than a subtractive one.



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Wouldn't the chamber explode on a 3D printed gun?

A chamber *could* explode on a 3D printed gun if it is not properly made. The same is true of a metal gun.

Just like a metal gun, when properly made (and used with its intent in mind), it should not explode.

So you need a fairly strong material and you need a lot of it.



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It doesn't make sense now, why would it make sense then? Only the law-abiding abide by laws. Prohibition didn't keep people from drinking, the War on Drugs hasn't kept people

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Yes, because "easily-manufactured" doesn't mean "cheap" or "difficult to regulate."

The thing is, functional 3D-printed firearms can already be manufactured by using a metal printer. All it takes is a little bit of cheating with traditional machines, and you get this:



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Yes, you could 3d print every single part of a Glock but it wouldn't work cause you need springs and and a firing pin made of metal. As soon and you pull the trigger though it will

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Samir, please turn on your thinking mode! While you can duplicate the polymer parts (frame, sights, etc.) You can't substitute plastic for steel parts. You would simply be making a grenade to blow up in your face.

Before asking questions like this put on your thinking cap and reason it out with common sense.

Now if you have one of the expensive metal printers you can make one



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Updated 4y

Related **How can 3D printed guns work? Don't regular guns have to undergo high amounts of pressure that would surely break plastic?**

You're right to be suspicious - 3D printed guns *don't* work.

The one "3D printed gun" that people like to talk about, the Liberator, can sometimes fire a single .380 ACP round. It takes a ridiculous amount of time and effort to print one and get it assembled, it has a muzzle-loaded design to be as durable as possible, and even then it's very likely to explode instead of firing. On top of that, the 3D-printed trigger mechanism is finicky and prone to jamming.

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^^^ The printer used in this one is said to cost between half a million and a million usd.

Here's another:

[Solid Concepts 3D Prints Another Metal Gun, 'Reason', a 10mm Auto 1911](#) 



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Short Answer: Yes, you can print one quite easily, and the files are on-line.

You know it won't be able to take the stress of even a single shot if made with a standard FDM printer, right?

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Can you 3D print an entire gun or only selected parts?

It depends on the gun and the printer.

Some are designed to be entirely 3D printed (except usually for a metal firing pin), though that requires significant compromises.



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