

# Build Instructions - Readme STG556(S).txt

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The STG556(S) is a project for experts who have tackled 3-4 printed rifle caliber projects before this.

Do not attempt this unless you are confident in the precision and reliability of your printer and materials.

Take caution when straying from PLA Pro. Many higher temp materials are brittle or can become brittle.

I recommend no higher than a .12 layer height for the FCG left and right halves, as they are 1:1 to the real STG, which is thin sheet metal.

Many of the surfaces where the components are fastened together are oversized and will be an interference fit.

Your personal printer and settings may make this worse, and some parts may not fit initially. Hand fitting is required for the FCG to Receiver and the Handguard to Receiver.

The STG is not particularly durable and the material choice is critical to its longevity.

The 40 round prototype magazine is still slightly shorter than a real STG magazine and fits some AK pouches. It needs a 40 round spring, and is only currently known to work with 5.56 reliably.

The STG556(S) takes stanag pattern magazines and will fit a wide variety of AR15 magazines.

The STG556(S) is at its core a carbine length AR15 and a standard "Hollywood" flash hider blank adapter can make it cycle blanks for reenacting.

Additionally, please be responsible in what situations you use or display this rifle. A legitimate self defense shooting is suddenly scrutinized when a "Nazi assault rifle" is involved.

-Stubbs



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