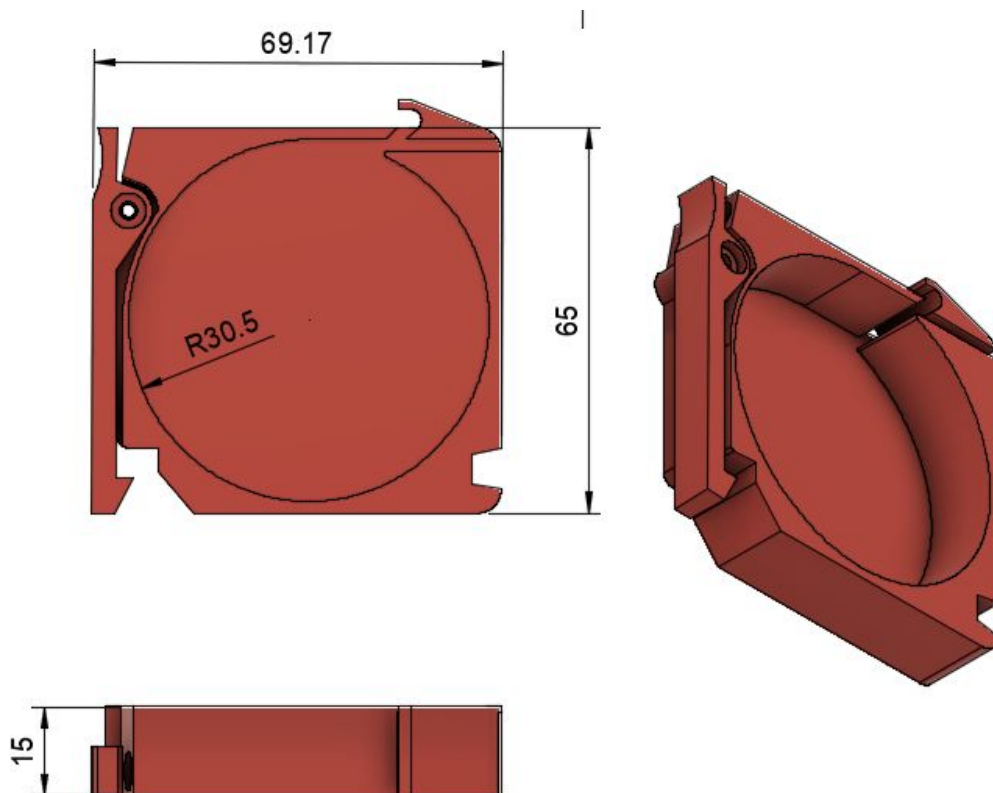
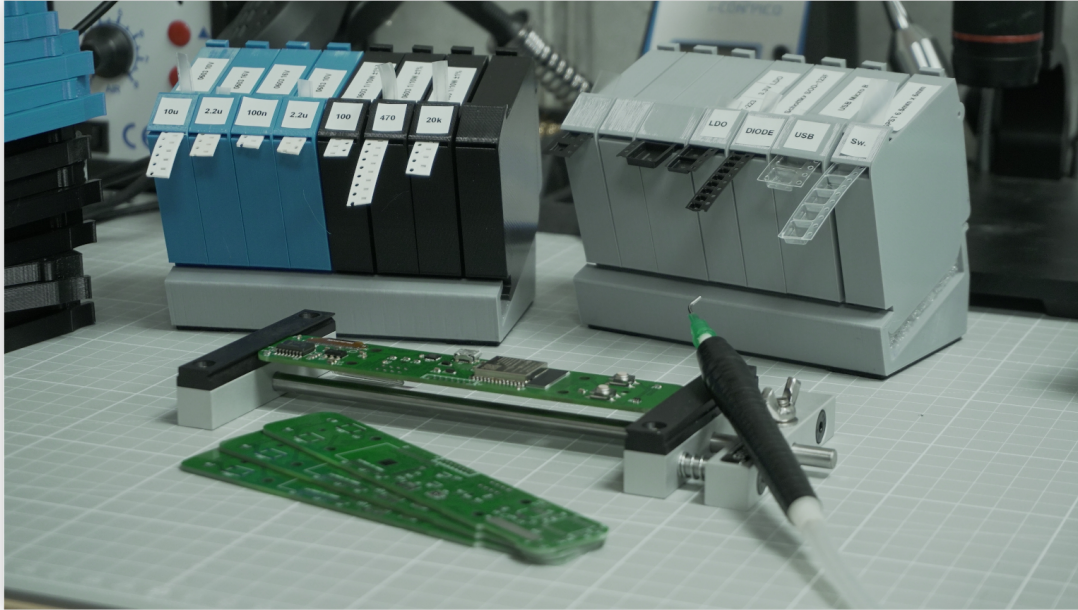


SMD Component Magazines v1

Build Instructions (Draft)



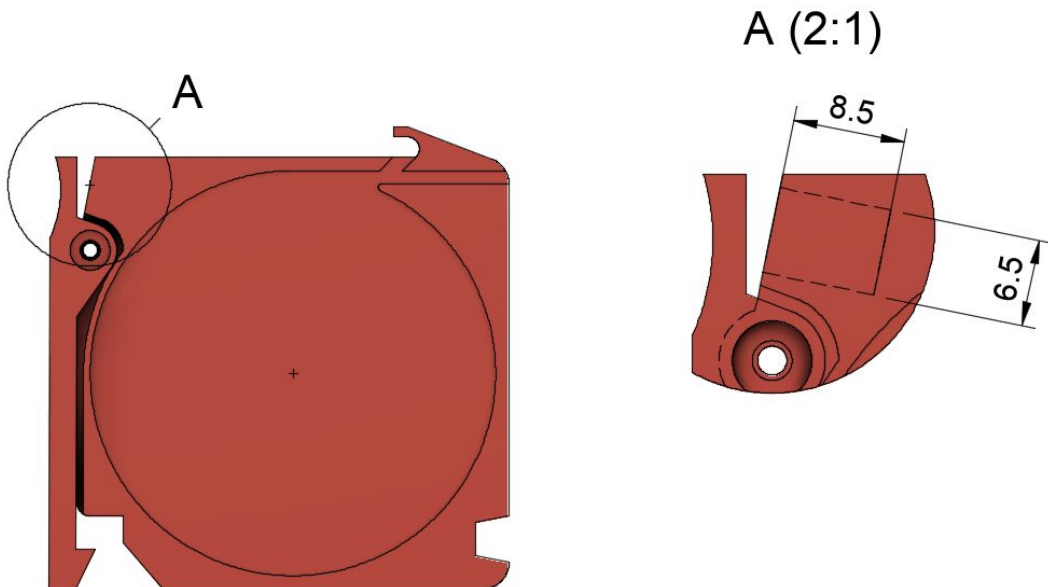
Prerequisites

Springs

For every Magazin you will need a **compression spring**.

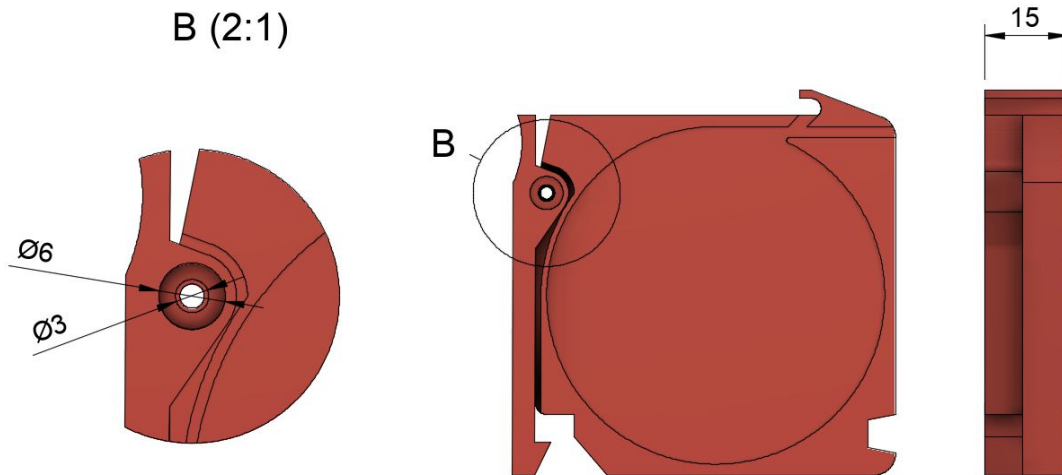
It should be compressible to at least 8.5mm (0.3437") and its diameter should **not** exceed 5.5 mm (0.2187").

A suitable spring might be **0.5 x 20 x 5.5** as found in many sprint assortments on ebay or other sources.



Screws

For every Magazine you will need one **2.9mm x 12-14 mm wooden or tapping screw**.



Foam

You will need a piece of foam you can put between the Rail and the Magazines. Its to give the part enough pressure and rigidity when attached to the Rail.

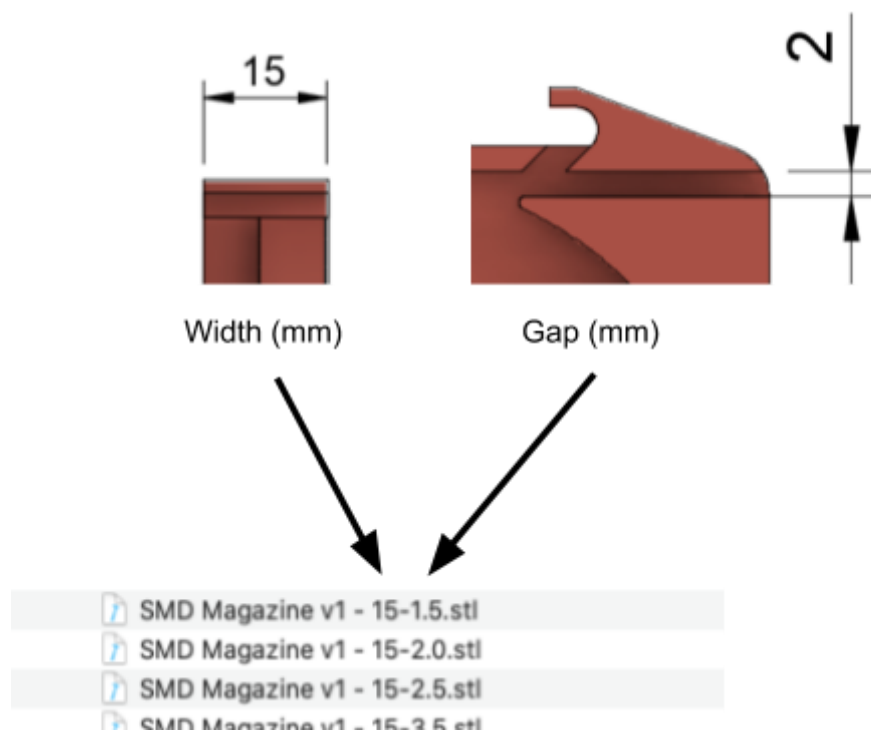
(as described in the assembly and 3D printing guide later in this document)

3D Printing & Assembly

Magazines

Measure the thickness of your SMD Component Strip and choose the appropriate Magazine. Choose a gap that is slightly bigger than the thickness of your strip.

e.g. a regular strip with **0402** or **0603** components fits perfectly in a **1.5 mm gap** and a **15 mm width**.



Rail

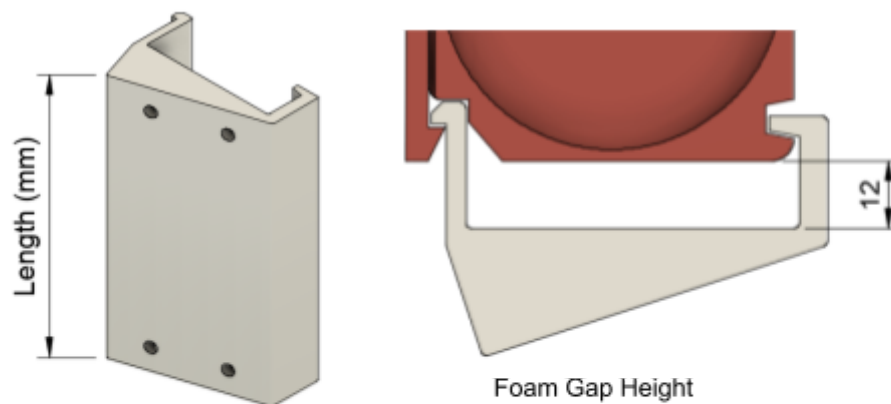
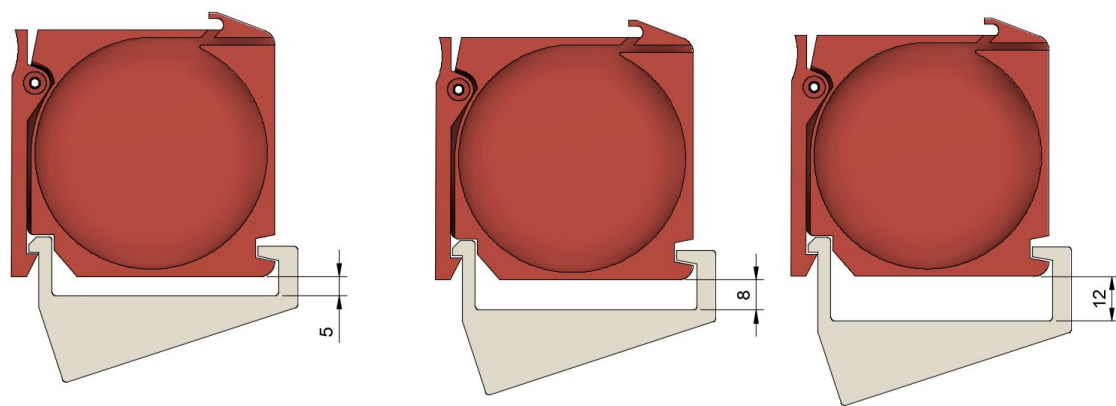
By default I've exported the Rail in 120mm and 60mm length.
Print as much as you may need.

You will need a piece of foam you can put between the Rail and the Magazines. Its to give the part enough pressure and rigidity when attached to the Rail.

If your foam is between 6mm and 9mm thick use the **5 mm** rail.

If your foam is between 9mm and 11mm thick use the **8 mm** rail.

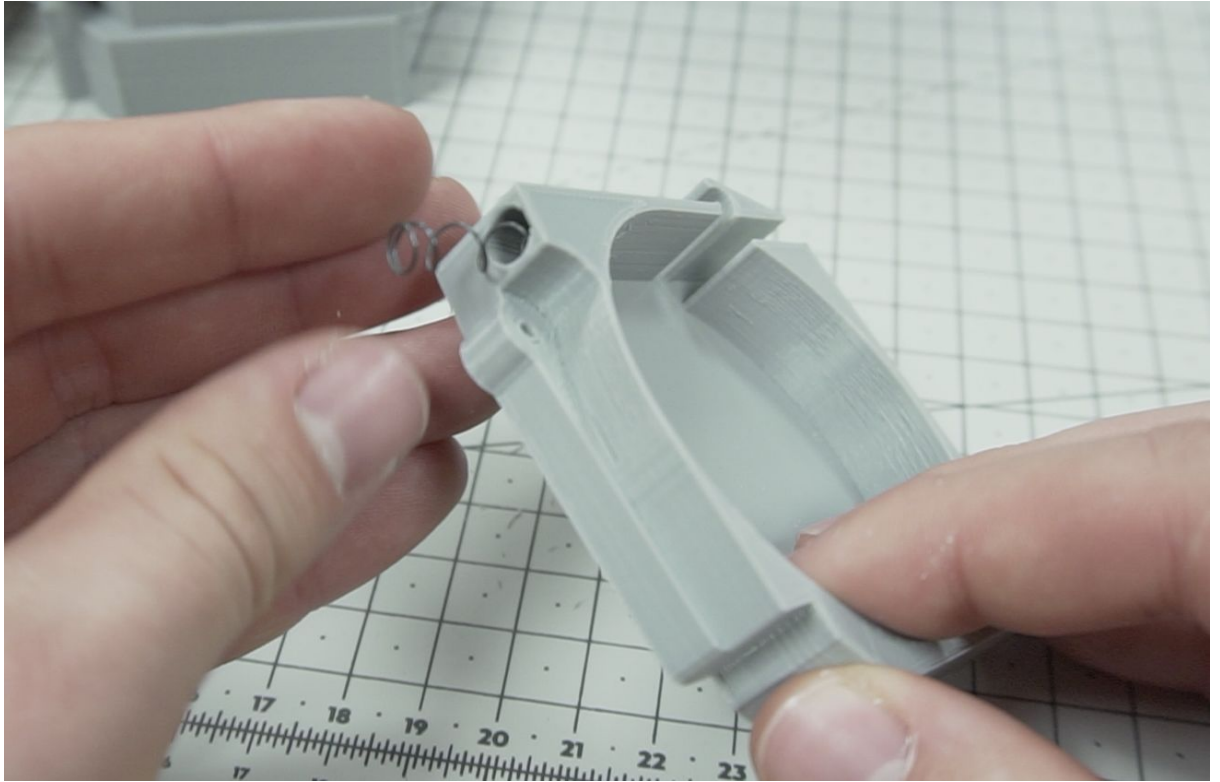
If your foam is between 11mm and 15mm thick use the **12 mm** rail.



- [SMD Magazine v1 - Rail 60-5.stl.stl](#)
- [SMD Magazine v1 - Rail 60-8.stl.stl](#)
- [SMD Magazine v1 - Rail 60-12.stl](#)
- [SMD Magazine v1 - Rail 120-5.stl](#)

Assembly

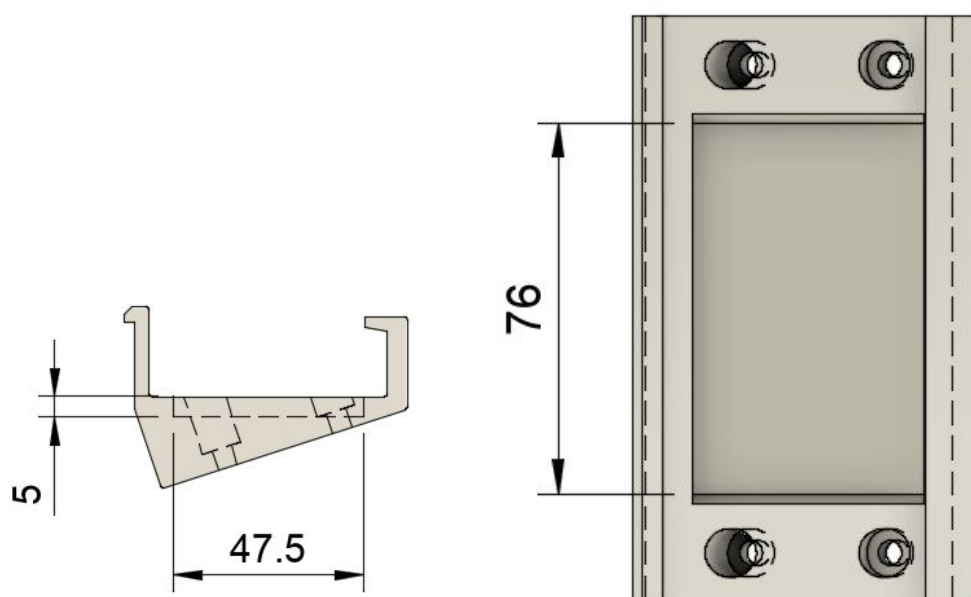
1. Insert the spring into the Magazine

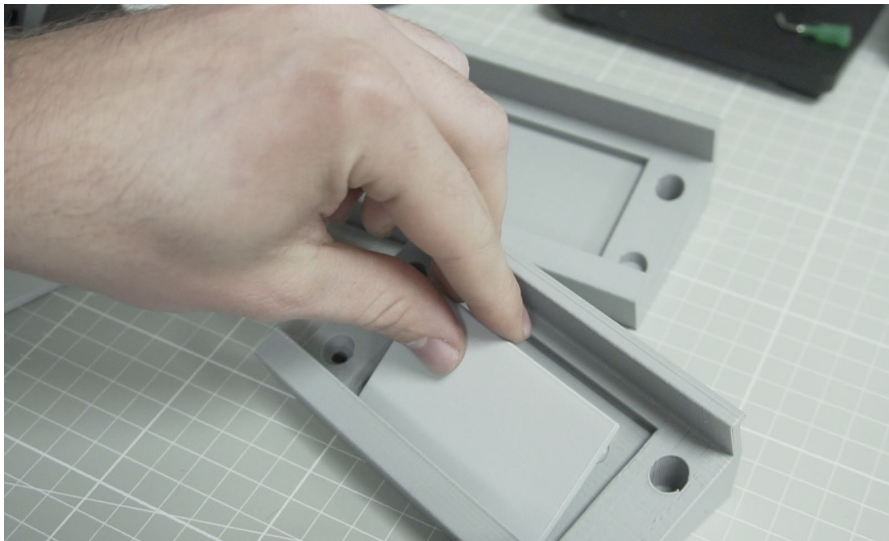


2. Tighten the lever with a screw.

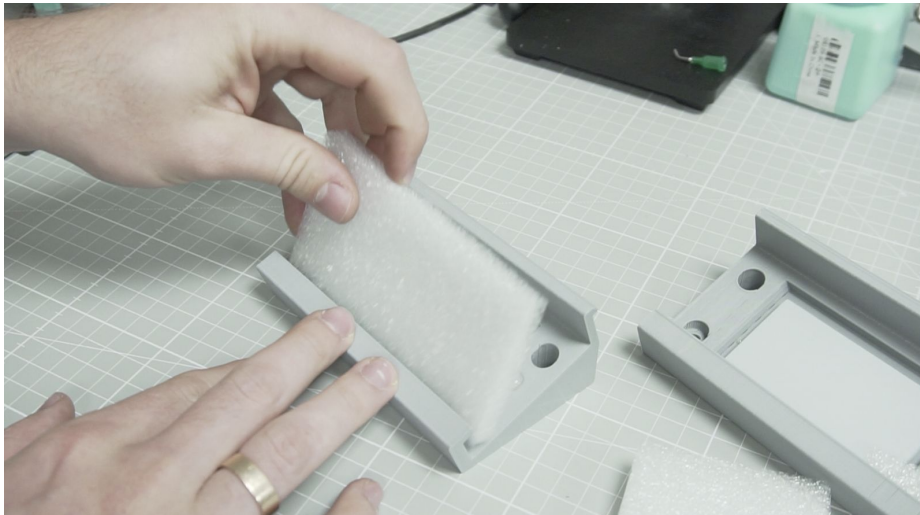


3. Print as many Rails as you may need. **Optional:** Use the cavity to glue some weight into place.





4. Insert your foam. **Optional:** Hold it in place with a drop of hot glue.



Done :)

