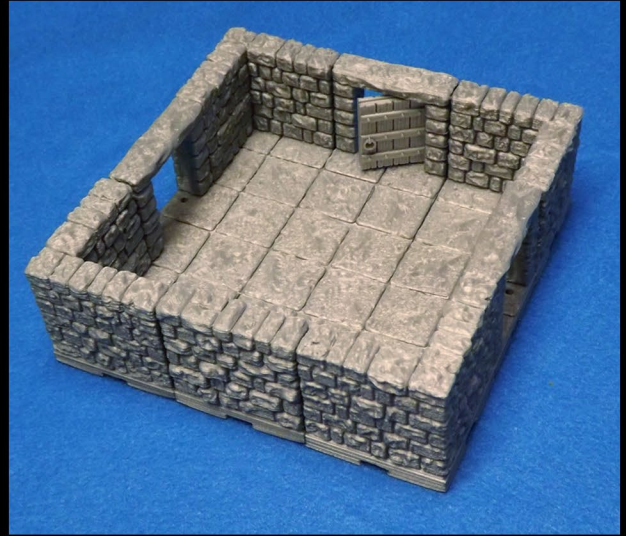
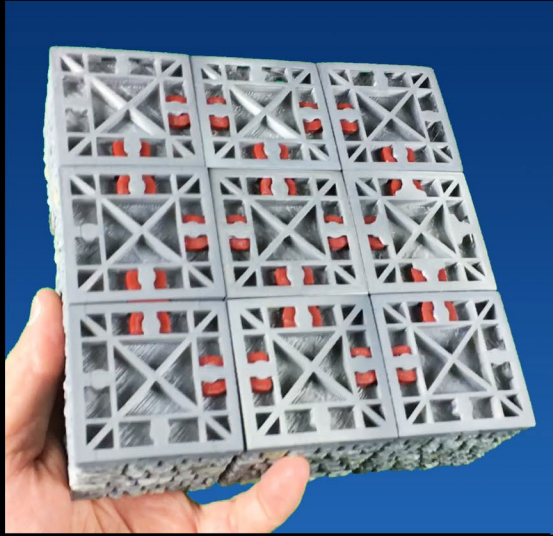


# DRAGONLOCK

## ULTIMATE



**DRAGONBITE™**  
COMPATIBLE

Miniatures by [www.reapermini.com](http://www.reapermini.com)

## DUNGEON DELVE PART I

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# DRAGONLOCK

## Getting Started

Welcome to the DRAGONLOCK: Ultimate™ terrain system. This instruction manual will outline some basic materials you will need for 3D printing these models, specific printing information for the models in this set, and links to additional resources.

For more information on getting started with 3D printing, help with choosing a printer, settings for many popular printers, troubleshooting, and more; please visit our 3D Printer forums:

<http://fatdragongames.proboards.com/board/21/3d-printing-dragonlock-terrain>

For painting tutorials on these and other models in the DRAGONLOCK: Ultimate™ product line, please visit our Youtube channel:

<https://www.youtube.com/channel/UC5Lbnd97HV3rU98gcwHklzQ>

## Basic Tools and Materials



For gluing models with multiple pieces together, we have found that Gorilla Glue works great (especially the 'gel' type.)



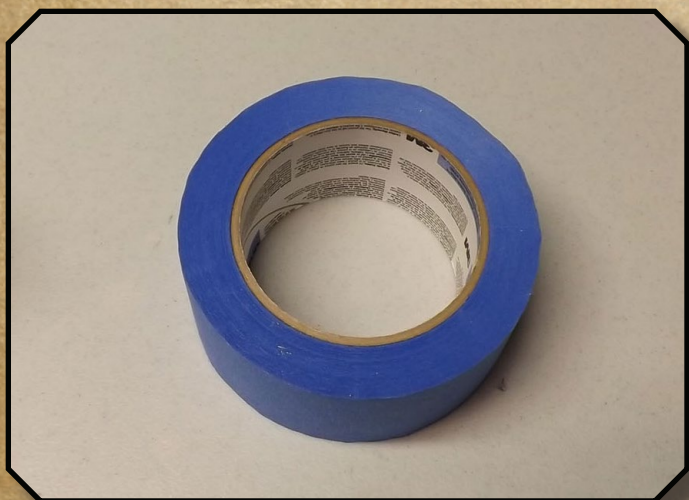
While not necessary, it helps to have a pair of small tweezers on hand. You'll find yourself using them often to pull odd strands of plastic off the model, getting small bits of plastic out of the printer, etc.



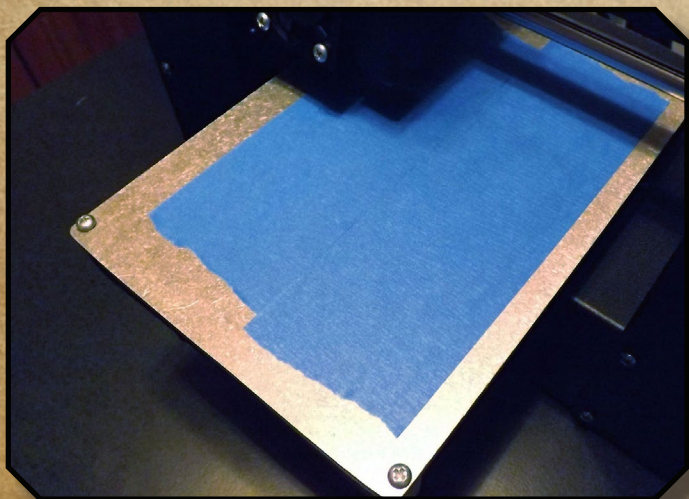
# DRAGONLOCK



Absolutely essential is a small metal spatula to help remove models from your build plate. We've found that ones like this from art supply aisles at craft stores work great and should only cost you a few dollars.



When printing PLA on a non-heated build plate, applying blue painter tape to your build-plate works great to help the plastic adhere.



To make your print stick as well as possible, you can wipe off newly applied tape with a paper towel that has a little rubbing alcohol on it (the tape has a wax coating on the back that sometimes inhibits the plastic from properly sticking to it).



# DRAGONLOCK

## General printing tips for DRAGONLOCK: Ultimate™ models

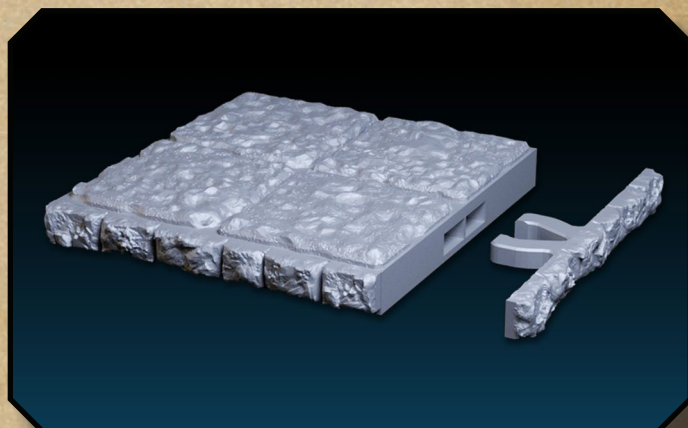
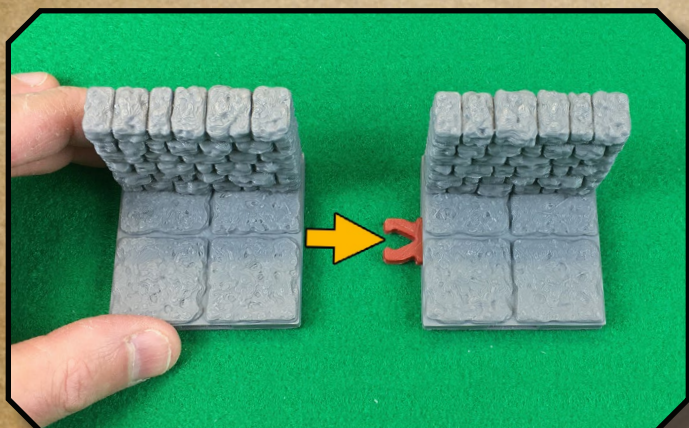
With the wide variety of printers and filaments on the market, it isn't possible for us to list printer settings that will work with multiple machines. Please visit the Fat Dragon Games forums for printer-specific tips and information:

<http://fatdragongames.proboards.com/board/21/3d-printing-dragonlock-terrain>

## Using the DRAGONBITE™ clips



Before inserting a Dragonbite™ clip, you must first remove the printing support present in each slot on all four sides of every model. We recommend using needle-nose pliers to gently twist the support out of place (always wear eye protection when using tools.) Clips should be printed with 15-20% infill (but can be printed with 0%.)



To connect DRAGONLOCK™ Ultimate models together, simply insert a Dragonbite™ clip into the slot of one model, then slide the adjoining model into the opposite side. In addition to the standard v3.0 clip, there is an optional clip (the previous 2.0 version) that is slightly looser, should you need it. Unused slots can be covered with Dragonlock™ edge pieces.

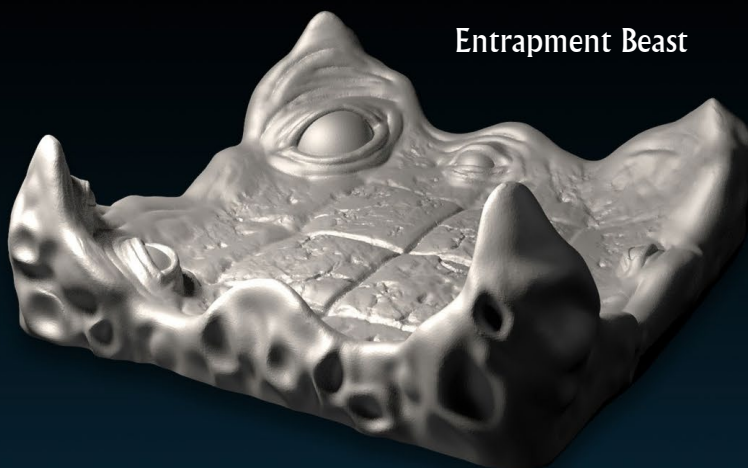


# DRAGONLOCK

Brazier  
(insert LED tea light from  
bottom)



Entrapment Beast



Axe Trap



Spear Trap



Separate Wall Top



Saw Trap



Magic Circle



Separate Wall Base



Fire Trap



Blade Trap



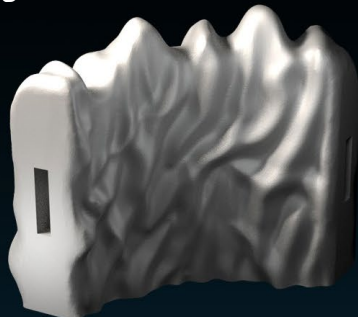
Crushing Trap





# DRAGONLOCK

Magic Wall Curve



Magic Wall Straight



Magic Wall End



Stairs B



Stairs A



Elevation Angle



Elevation Inside Corner



Elevation Wall



Elevation Corner



Elevation Curve



Elevation





## Printing info:

### Filament:

- We recommend using PLA (we use eSun PLA Pro and Hatchbox PLA in the FDG office)

### Layer Height:

- All clips, wall models, brazier bottom, entrapment beast, & stairs: 200 micron / .2mm
- Trap pieces (not walls), brazier top, & magic circle: 100 micron / .1mm

### Top/Bottom layers:

- 4-5 layers at .2mm, or 8-10 layers at .1mm

### Infill:

- 5% on all pieces
- 15% on Clips

### Rafts:

- None

### Brim:

- You may need a 5mm brim for the Crushing Trap Piston piece (depending on how good your first layer adhesion is.)



# DRAGONLOCK



Insert the individual spears as shown above. Do not glue in place so you can easily replace one if it breaks later.



The trap wall tops attach to the base with Dragonbite™ clips. Swap the generic wall top for a trap top when the players trigger a trap.



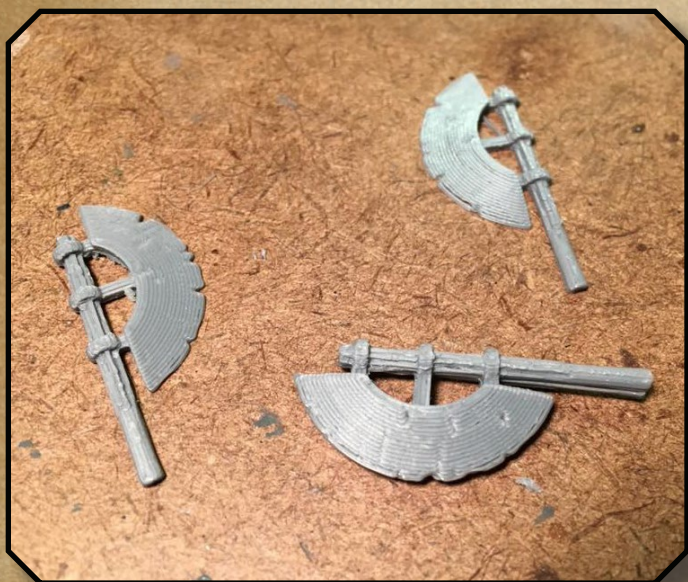
Insert the flames into the three holes in the wall.



Attach the saw to the wall as shown above. The blade wall assembles in the same way.



# DRAGONLOCK



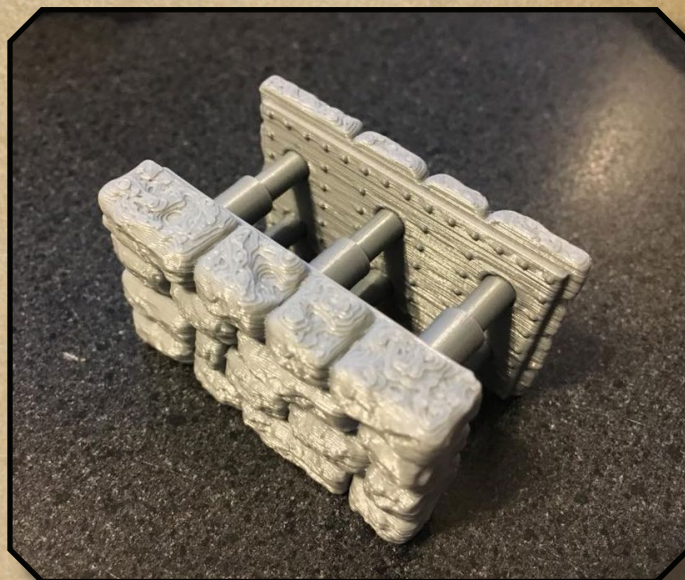
Glue the axe halves together, making sure to glue matching sides.



The axes do not need to be glued to the wall, in case one needs to be replaced later.



Glue the pistons to the main wall first.



Once dry, glue the front wall to the pistons.