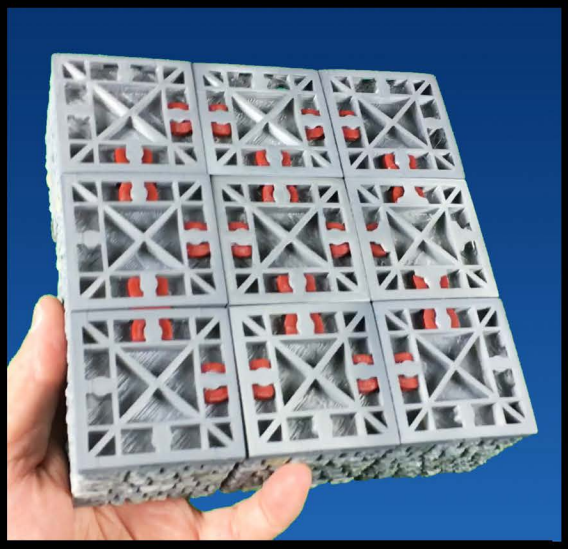
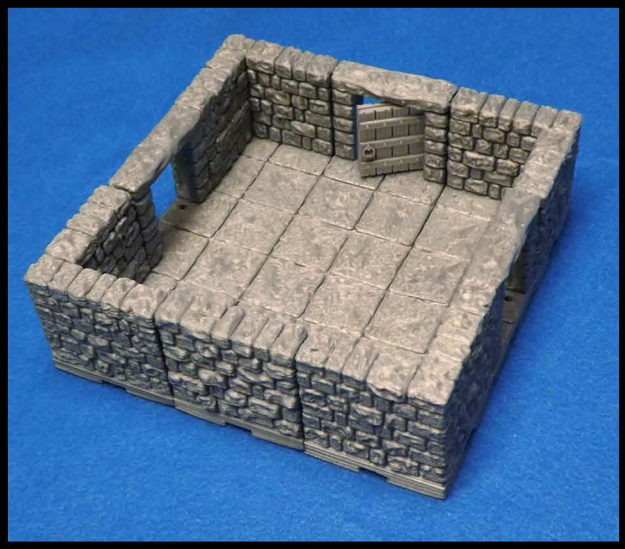
DRAGONLOCK

ULTIMATE







DRAGONBITE™
COMPATIBLE

Miniatures by www.reapermini.com

GM SCREEN OF DOOM

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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/UC5Lbnd97HV3rU98gcwHkIzQ

Basic Tools and Materials



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



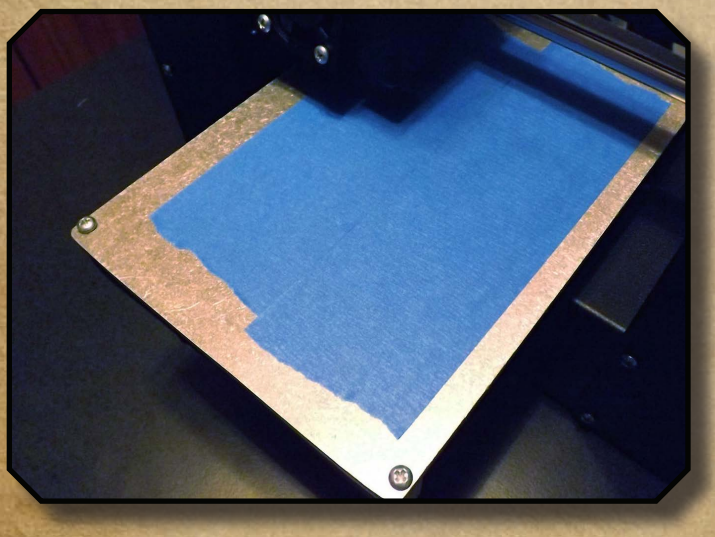
While not necessary, it helps to have a pair of small tweezers on hand. You'll find yourself using them often to pull odd strands of plastic off the model, getting small bits of plastic out of the printer, etc.



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.



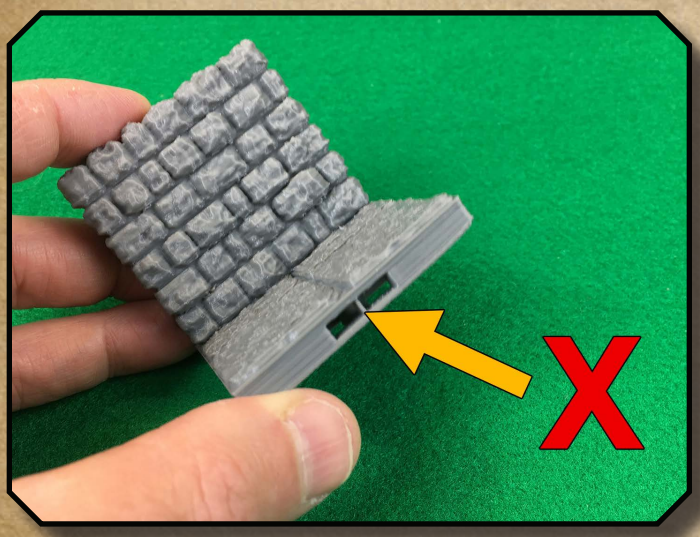
To make your print stick as well as possible, you can wipe off newly applied tape with a paper towel that has a little rubbing alcohol on it (the tape has a wax coating on the back that sometimes inhibits the plastic from properly sticking to it).

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:

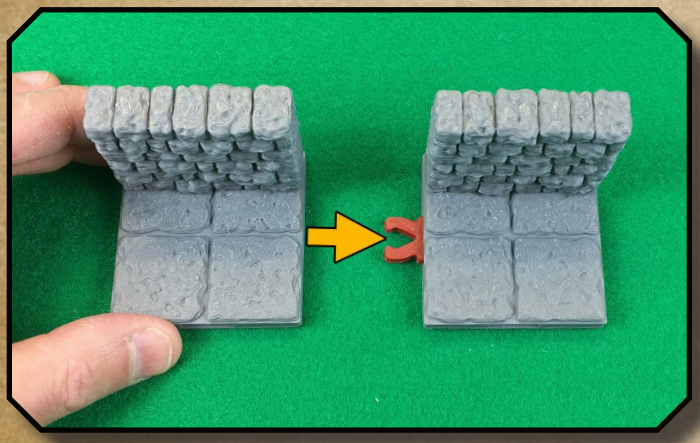
http://fatdragongames.proboards.com/board/21/3d-printing-dragonlock-terrain

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. If your slicer is making your slots too narrow in height for your clips to enter easily, slice your clips at 90% on the Z axis only to make them go in easier.

DRAGONLOCK

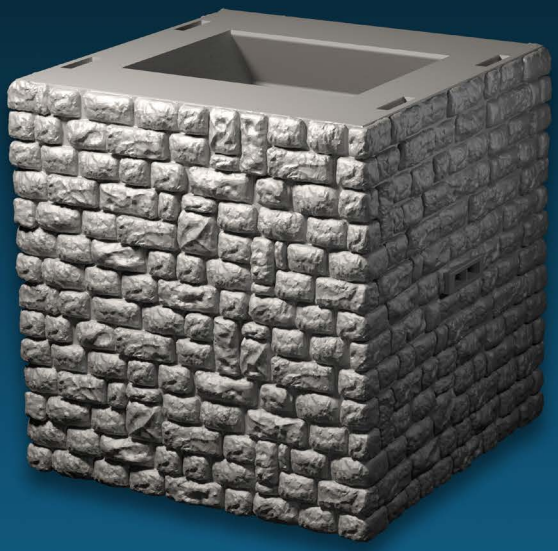
GMScreen DiceTower Bottom (Demon)



GMScreen DiceTower Tray



GMScreen DiceTower Middle





GMScreen DiceTower Bottom



GMScreen DiceTower 2" Extension



GMScreen DiceTower Top

DRAGONLOCK

GMScreen Wall Base



GMScreen Wall Top (Tracker)

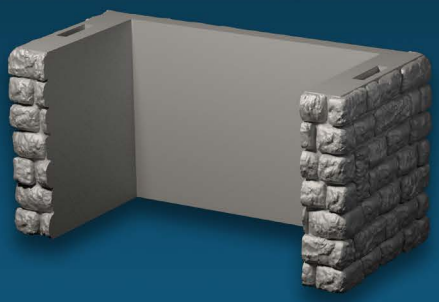




GMScreen Wall Top

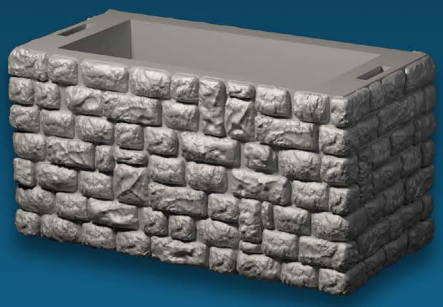
GMScreen Pencil Top





GMScreen Shelf Extension

GMScreen Pencil Middle





GMScreen Shelf



GMScreen Pencil Bottom

DRAGONLOCK

GMScreen Tilt Storage 4" Wall





GMScreen Tilt Storage 4" Bin



GMScreen Tilt Storage Base



GMScreen Tilt Storage Bin Axle



GMScreen Tracker



GMScreen Tracker
(Binder Clip Extension)



GMScreen Tilt Storage 2" Wall



GMScreen Tilt Storage 2" Bin

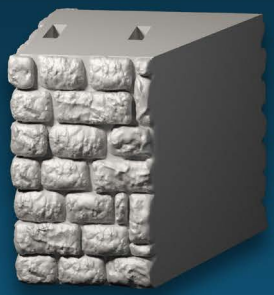
DRAGONLOCK



GMScreen Angle Adaptor
Top Left



GMScreen Angle Adaptor
Top Right



GMScreen Angle Adaptor
Middle Left



GMScreen Angle Adaptor
Middle Right



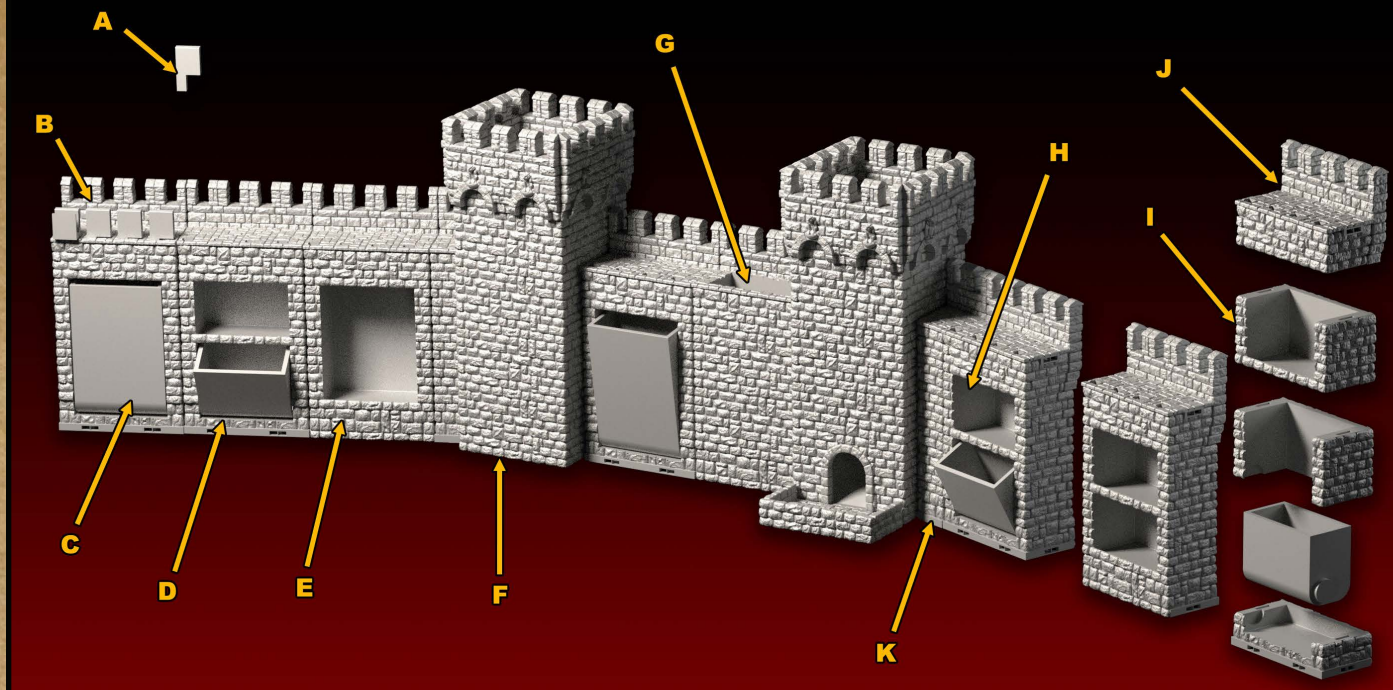
GMScreen Angle Adaptor
Bottom Left



GMScreen Angle Adaptor
Bottom Right

DRAGONLOCK

GM SCREEN OF DOOM



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A: Initiative tracker (slot fit)
B: Initiative tracker with binder clip extension
C: 4” tall rotating bin
D: 2” tall rotating bin
E: 4” shelf
F: Dice tower (height & direction adjustable)
G: Pen/pencil holder
H: 2” shelf
I: Stackable modules for customizing height and width of screen
J: Crenelated wall cap with slots for initiative tracker clips
K: Angled wall adaptors for straight or angled walls
(Not shown) generic wall and cap pieces for customization

Printing info:

Filament:

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

Layer Height:

• All models: 200 micron /.2mm

Top/Bottom layers:

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

Infill:

•5% on all pieces

•15-20% on Clips

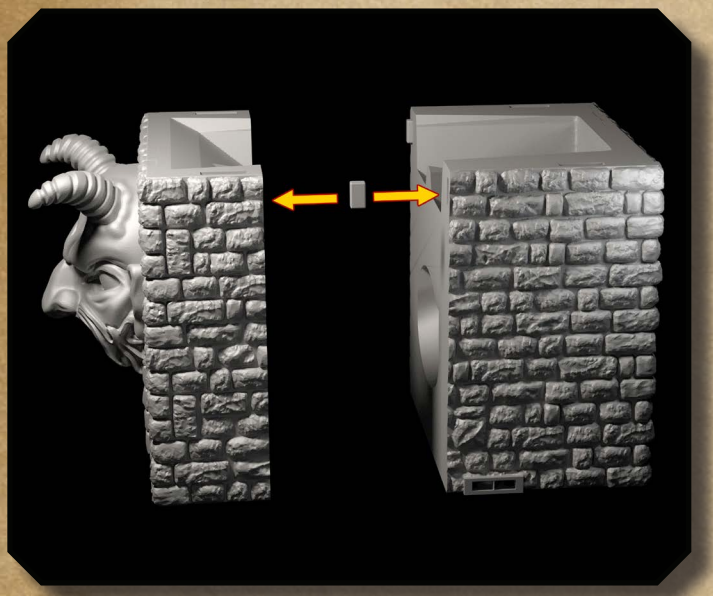
Rafts:

• None

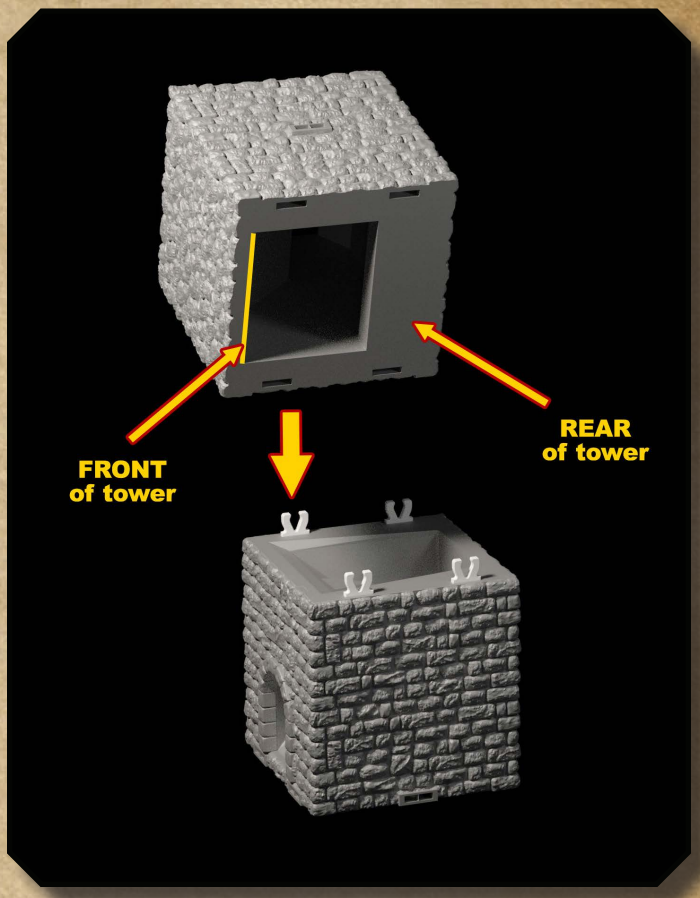
Brim:

• None

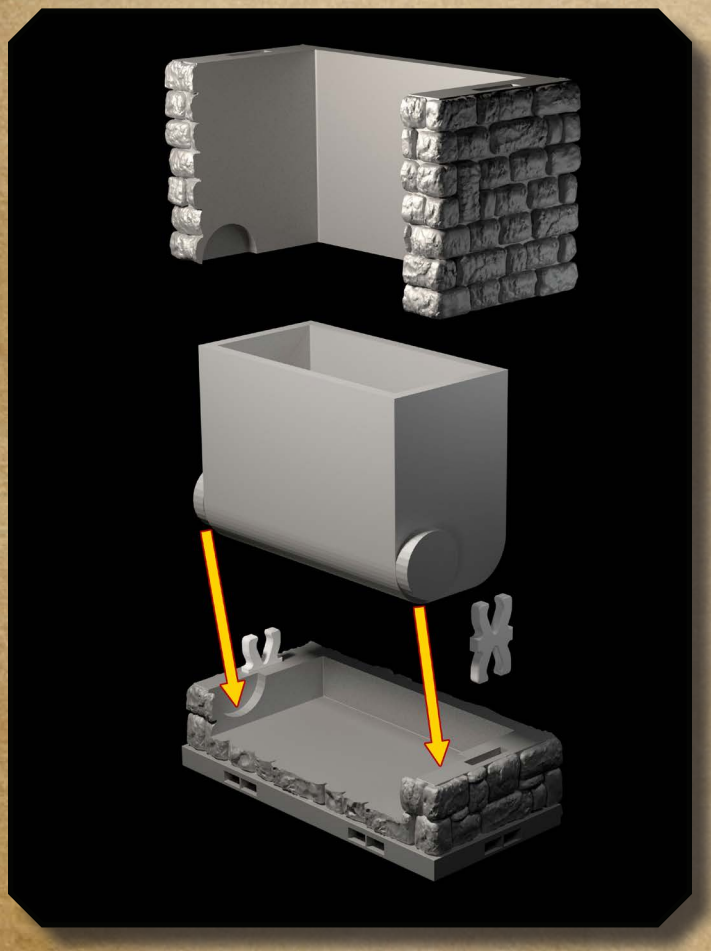
DRAGONLOCK



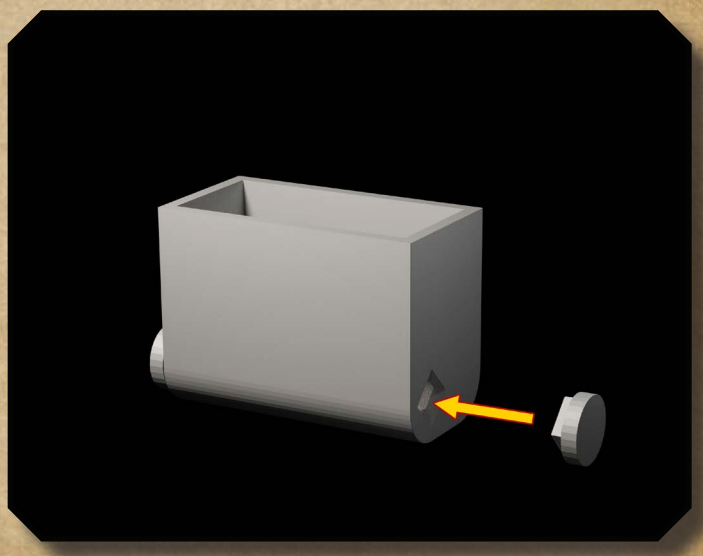
Glue the two tabs into the rear piece first, allow to dry, then glue the two main sections together.



When assembling your tower, ensure the middle section is orientated correctly. The bottom opening should be closest to the front of the tower. When using the 2" vertical tower extension, place it between the bottom and middle sections, not the middle and the top.

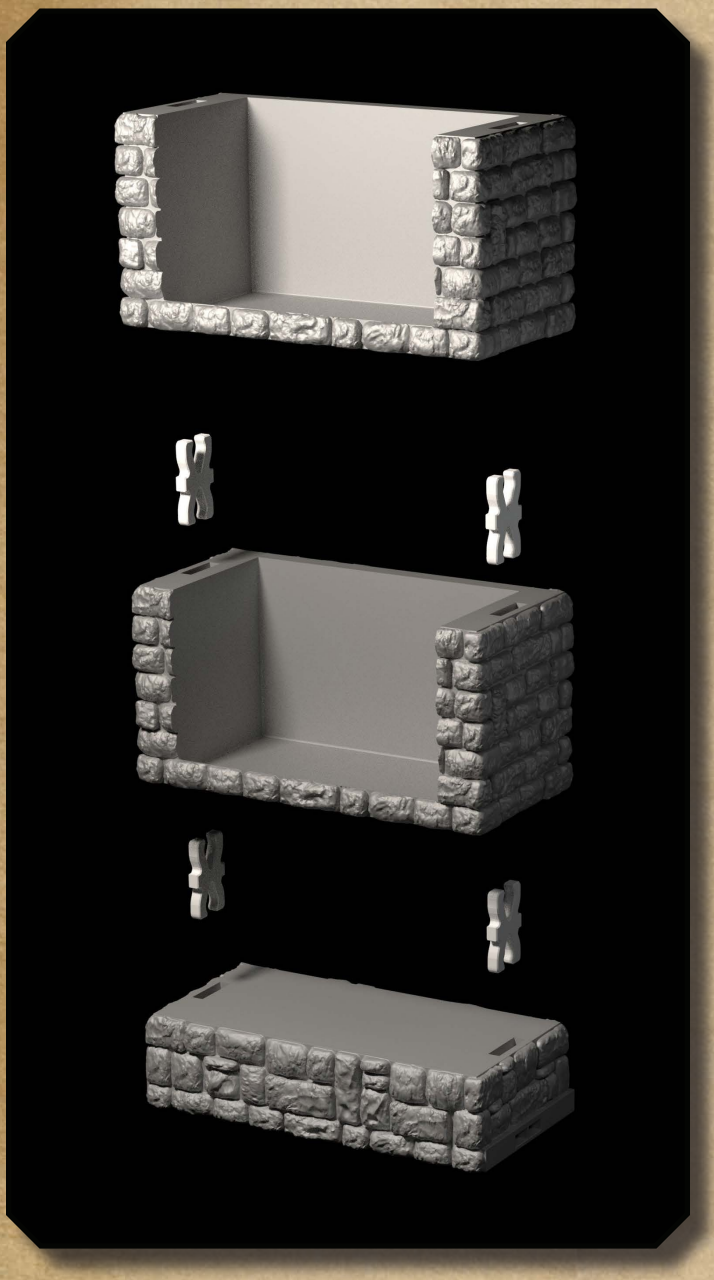


Tilting bin assembly.

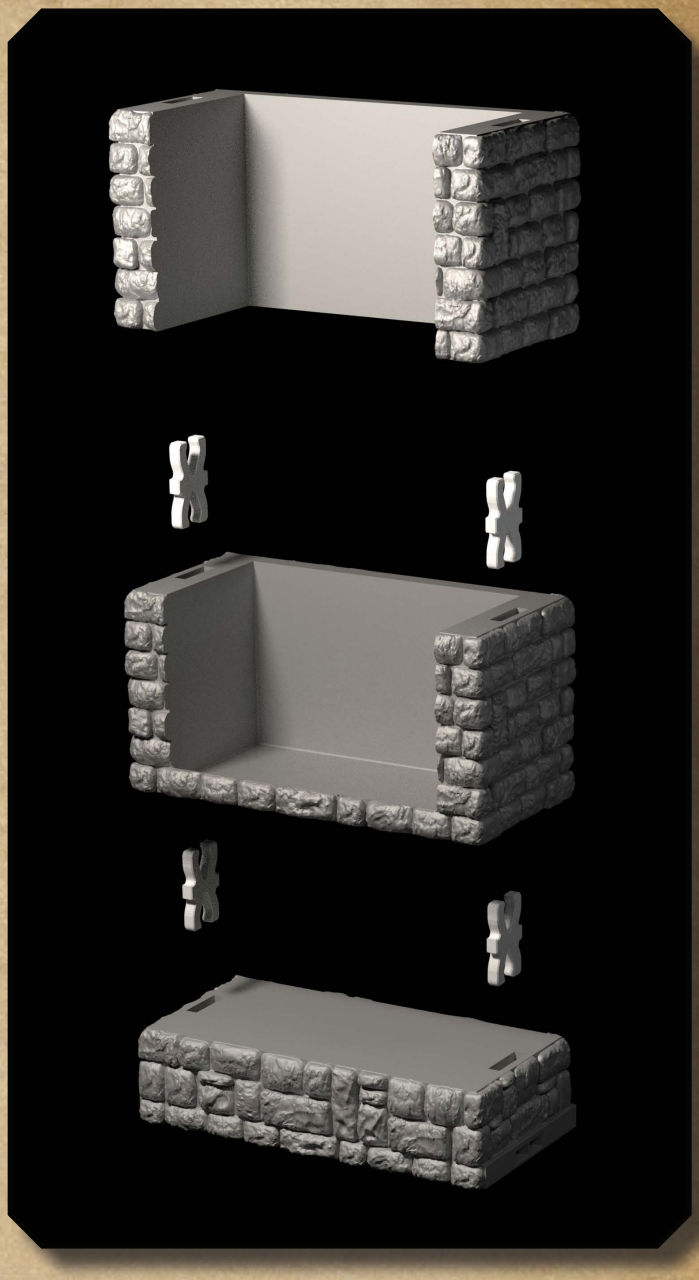


Glue the axles to the bin before assembly.

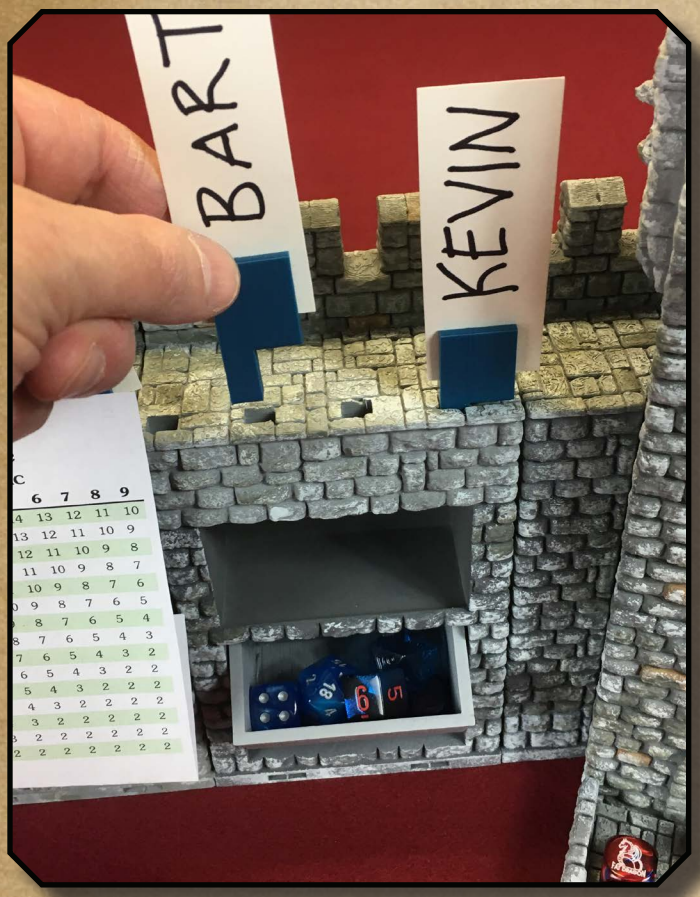
DRAGONLOCK



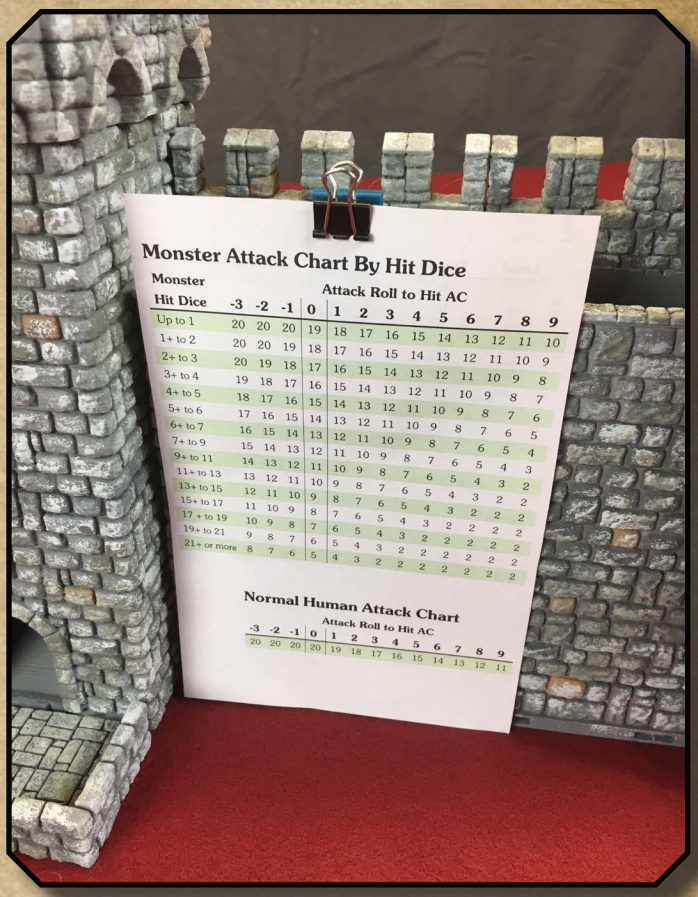
Double 2" shelf assembly.



For a 4" tall single shelf, use the shelf extension piece on the top.



Initiative tracker clips can hold standard index card thickness paper for notes and charts.



The tracker clip with extension can be used with small binder clips to hold charts on the back wall.

FDG0225 Dragonlock Ultimate GM Screen of Doom

GMScreen Wall Base



GMScreen Wall Top (Tracker)





GMScreen Wall Top

GMScreen Pencil Top



GMScreen Pencil Middle



GMScreen Shelf Extension





GMScreen Shelf



GMScreen Pencil Bottom

FDG0225 Dragonlock Ultimate GM Screen of Doom

GMScreen Tilt Storage 4" Wall





GMScreen Tilt Storage 4" Bin



GMScreen Tilt Storage Base



GMScreen Tilt Storage Bin Axle



GMScreen Tracker



GMScreen Tracker
(Binder Clip Extension)



GMScreen Tilt Storage 2" Wall



GMScreen Tilt Storage 2" Bin

FDG0225 Dragonlock Ultimate GM Screen of Doom

GMScreen DiceTower Bottom (Demon)



GMScreen DiceTower Tray



GMScreen DiceTower Middle





GMScreen DiceTower Bottom



GMScreen DiceTower 2" Extension



GMScreen DiceTower Top

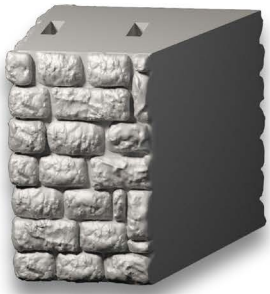
FDG0225 Dragonlock Ultimate GM Screen of Doom



GMScreen Angle Adaptor
Top Left



GMScreen Angle Adaptor
Top Right



GMScreen Angle Adaptor
Middle Left



GMScreen Angle Adaptor
Middle Right



GMScreen Angle Adaptor
Bottom Left



GMScreen Angle Adaptor
Bottom Right

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