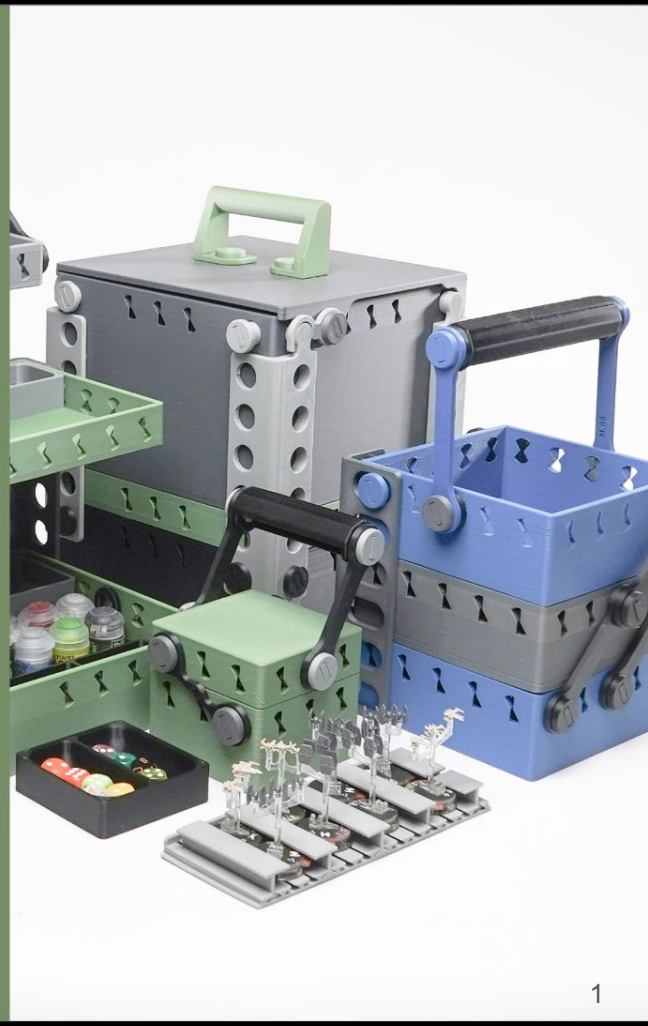
MODIBOXI

Parts List and Starter Builds

Instructions Beta 0.85



modinnovations

Sections

Overview - Slides 3 - 6
Instructions - Slide 7 - 19
Example Builds - Slides 20 - 38
Parts List - Slides 39 - 50
Parts Images - Slides 51 - 67

Overview

Our story

The product got its start as a 3D printable screw-together dice tower. It soon became clear that Modi Boxi could be so much more. The 3D print screws were replaced with the Modi Bolt system, and Modi Boxi was born as a 3D printable storage solution for gamers.

Our design philosophy

Design a gaming storage system that makes you want to play with it as much as the items you put in it.

Modi Boxi is based on three rules:

- **Fully 3D printable** - no additional parts or pieces required, including the fasteners.
- **No glue** - everything should work off the print bed.
- **No supports** - everything oriented to print efficiently, saving material and time.

Modi Boxi math

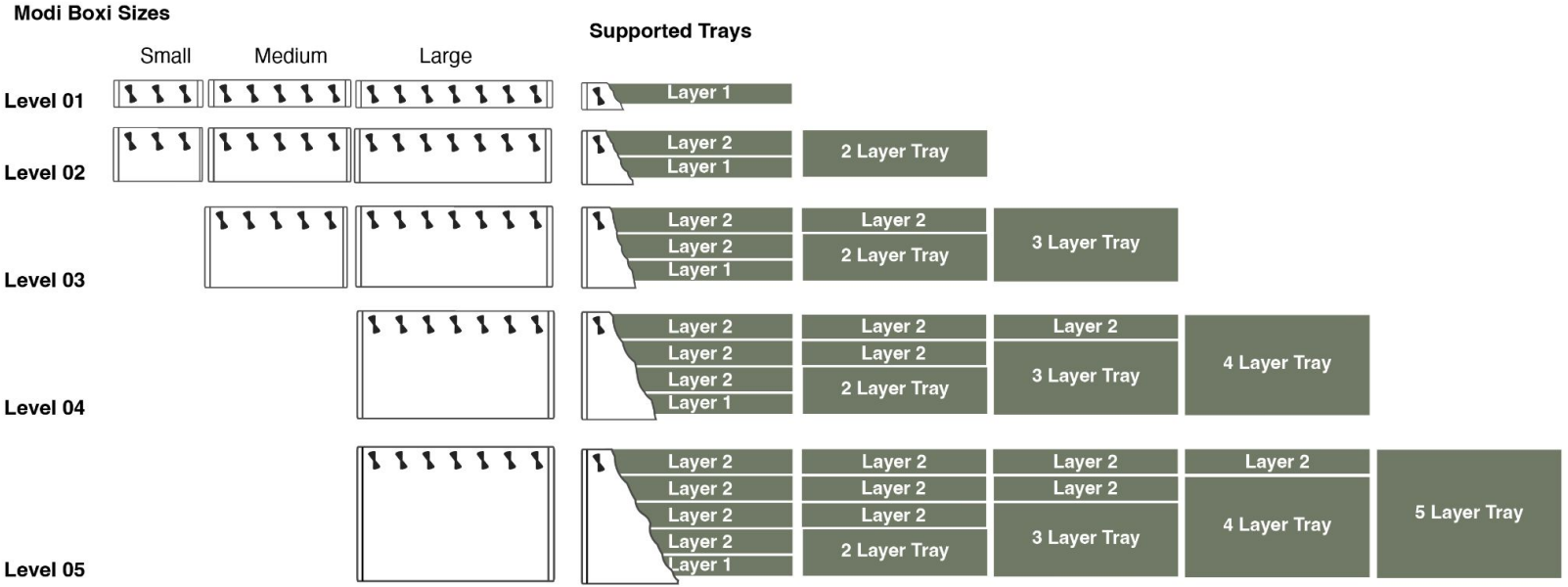
When assembling Modi Boxi, remember these key rules:

- Every box is made of levels (each Modi Hole defines a level).
- Each level is 30mm tall.
- Layers are the internal size of the Boxis and are used to stack trays vertically.
- A Layer 1 internal tray is 25mm. Every layer above that is 30mm.
- Internal trays are organized in thirds horizontally.

Instructions

How items fit into a Boxi: Heights

Tray Heights

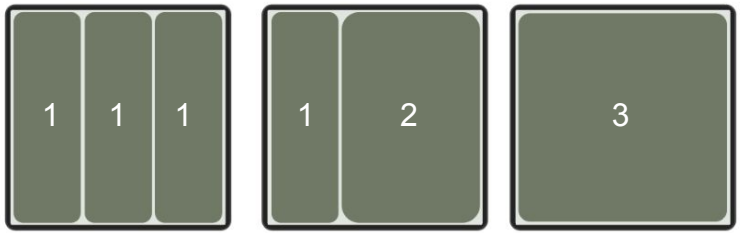


How items fit into a Boxi: Widths

Small

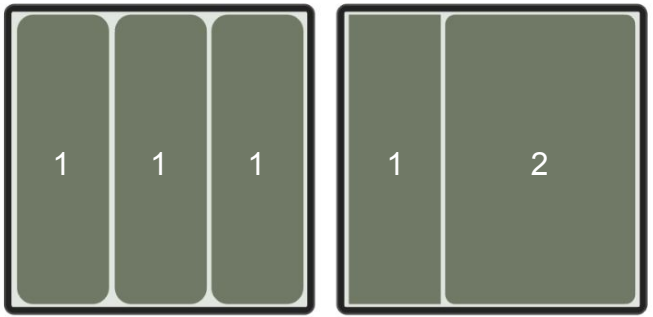
One size

Medium 3 widths

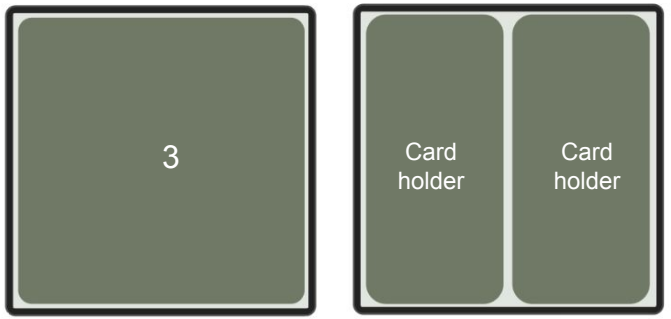


Width 1 | Width 1 & 2 | Width 3

Large

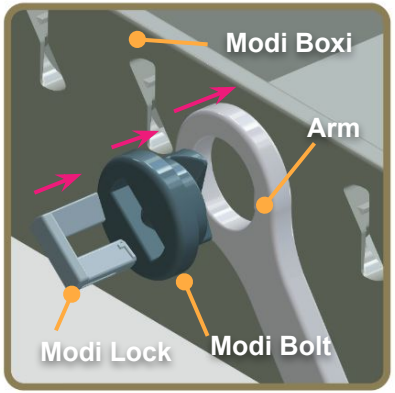


Width 1 | Width 1 & 2



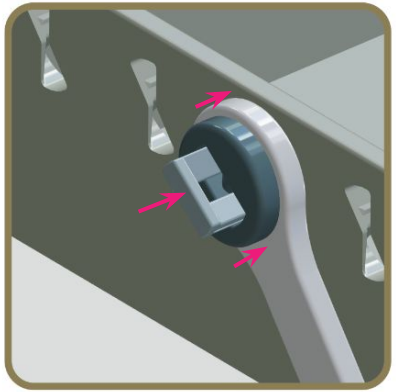
Width 3 | Card holders only

How to use the Modi Bolt system (patent pending)



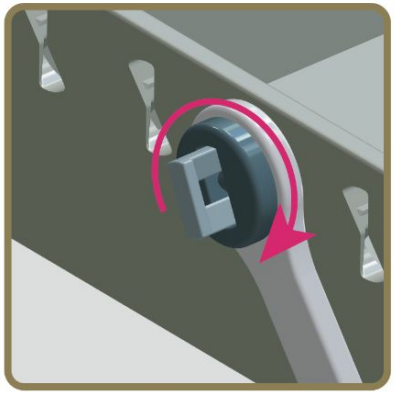
Step 1

Align the hole in the arm with a hole in a Boxi.



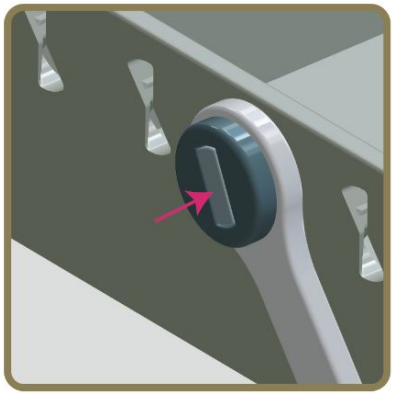
Step 2

1. Push the Modi Bolt into the arm hole and align it with the hole in the Boxi.
2. Push the Modi Lock halfway into the Bolt.



Step 3

Twist the Modi Bolt until it stops.



Step 4

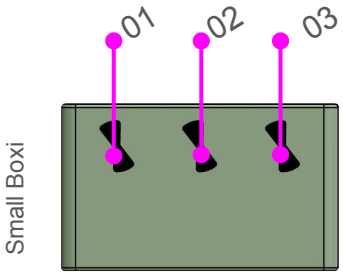
Push in the Modi Lock until it is flush.

How do the Modi Holes work?

About Modi Holes

The Modi Holes are designed to work with the Modi Bolt. This is how you attach things to the Modi Boxis. Each Hole is placed to maximize its utility with the Modi Boxi system.

Holes and what you can attach to each

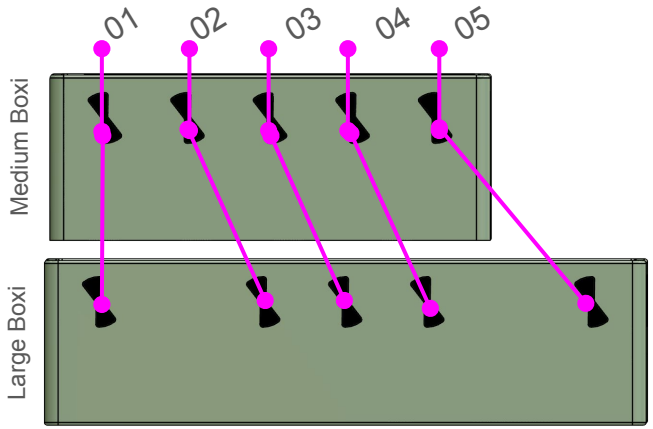


Holes 01 and 03

- Corner connectors
- Stack arms
- Flat arms
- Side connectors

Holes 02

- Stack arms



Holes 01, and 05

- Corner connectors
- Stack arms
- Flat arms
- Side connectors
- Modi Mounts
- Modi Cage

Holes 02, and 04

- Side handle
- Flat arms
- Side connectors

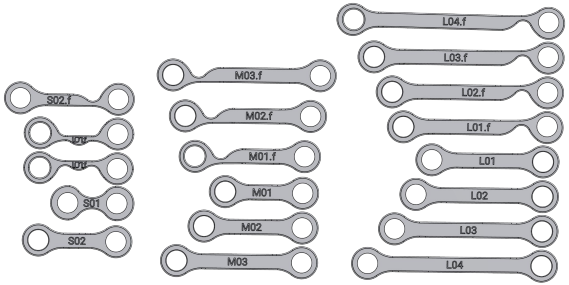
Hole 03

- Stack arms
- Side connectors

How to use the Modi Arms

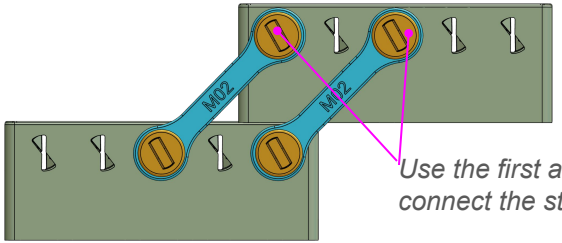
About the arms

Each Boxi width and height has its own set of arms to connect to the Boxi below it. For example, there are medium Boxi arms for level 01, 02, 03.

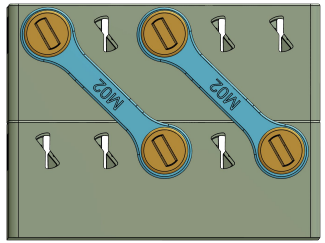


Types of arms

Stack arms: To stack your Boxis, you need 4 arms for your top Boxi size and level. For example, if your top Boxi is a medium level 02, you will use 4 of stack arm M_02.

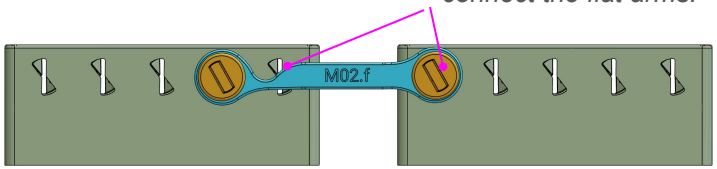


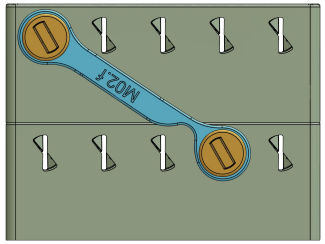
Use the first and third holes to connect the stacking arms



Flat arms: To make the Boxi lay flat, you will need 2 flat arms that are for the top Boxi size and level. For example, if your top Boxi is a medium level 02, you will use a flat arm M_02f.

Use the 1 and 4th holes to connect the flat arms.

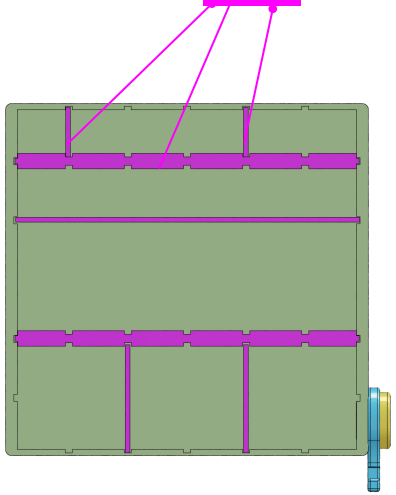




How to use Modi Drawers

What to print

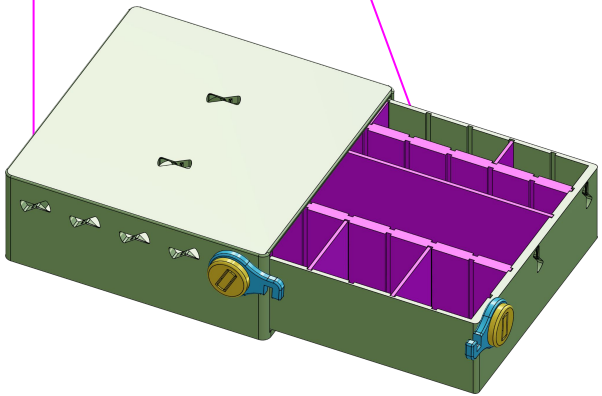
The Drawer insert Boxi is setup like a DIY tray. You can configure the insert box to be one big drawer or have a bunch of small compartments using the different size walls.



What to print

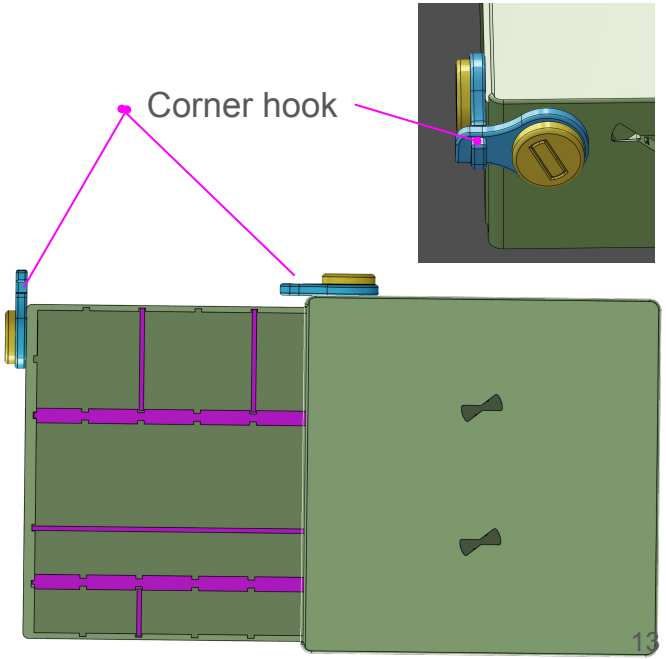
To make a full drawer, you need to print both

1. M LVL02_Drawer_Boxi
2. M_LVL02_Drawer_insert_Boxi



Hold your drawers closed

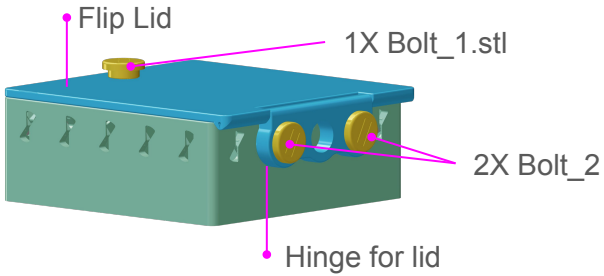
To hold your drawer in place, you can use a long lock hook or a corner hook.



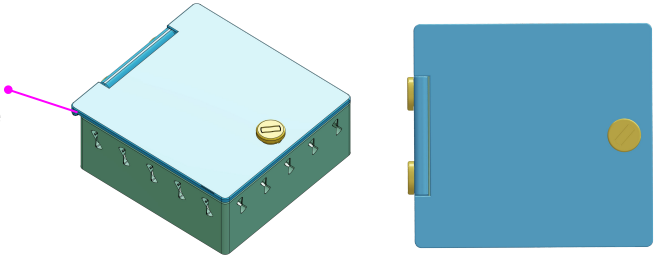
How to use Modi Lids

Flip Lid

The Flip Lid stays attached to your Boxi at all times. It opens and closes and can be latched down with a set of corner hooks *(not shown)*.



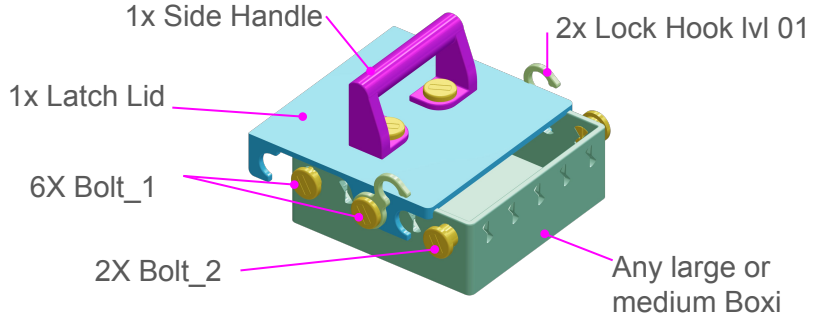
Insert printer filament into the hole that is the length of the lid.

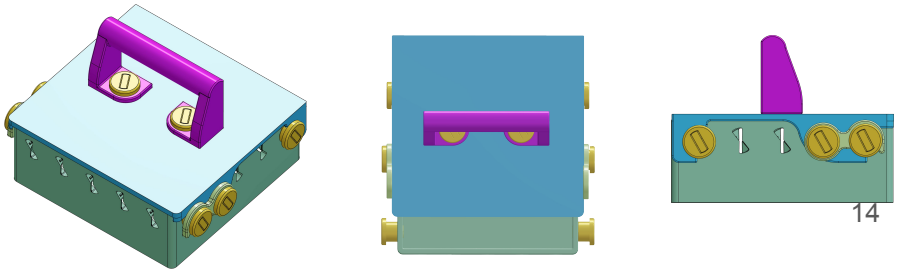


Latch Lid

The Latch Lid can simply slide off your Boxi. You can attach a handle to it so you can carry your Boxi. The latch also works with the Modi Cage system.

youtube: [Modi Boxi: Latch Lid]

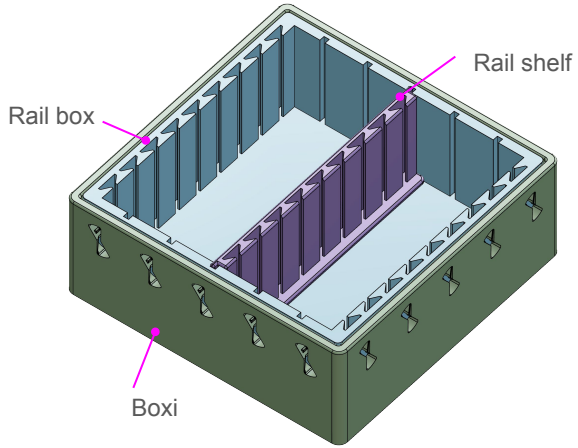


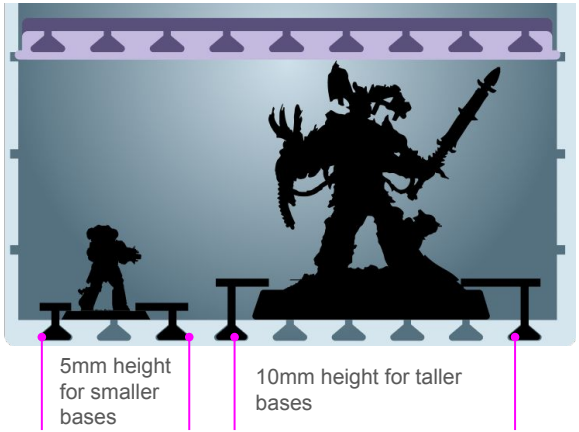


How to use Modi Rails for minis

Modi Rails lets you slide your minis into place and keep them there. By using two Modi Rail hold downs, you can slip your minis into place. The hold downs come in two heights and four widths.

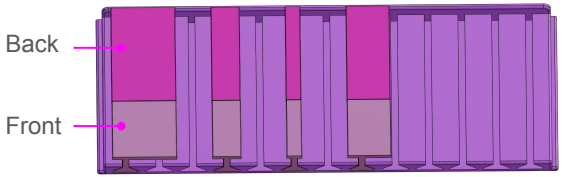
youtube: [Modi Boxi: Modi Rails]





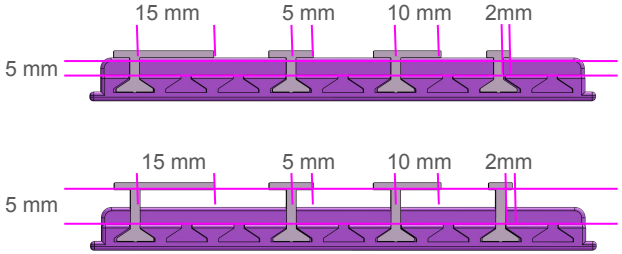
Hold down configurations for each Boxi layer:

Layer 01 = Lyr01
Layer 02 = Back
Layer 03 = Back + Front
Layer 04 = Back + 2x Front
Layer 04 = Back + 3x Front



Layer 03 Example

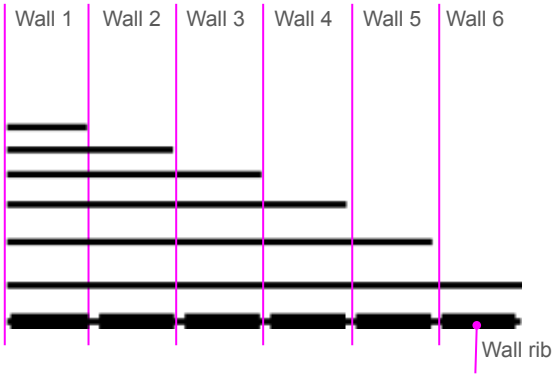
Rail hold downs: heights and widths



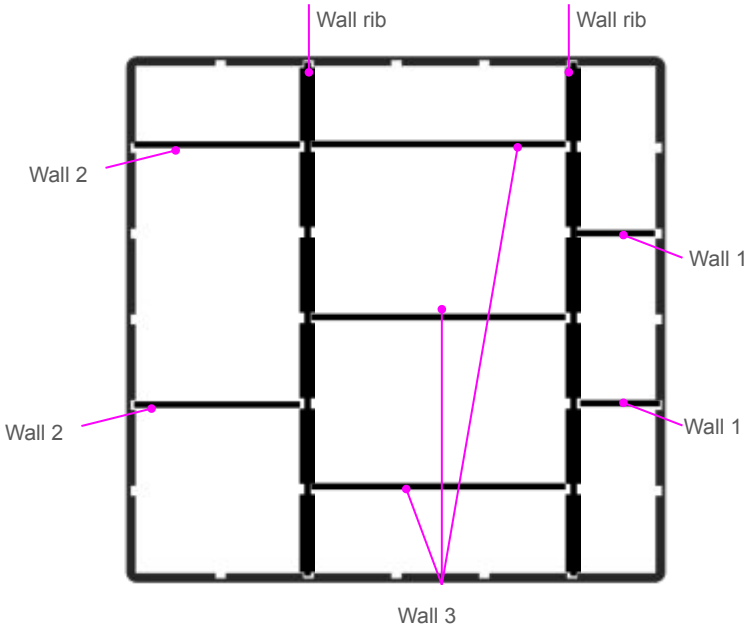
How to use Modi DIY trays

The DIY trays let you configure a versatile tray any way you want. You can make a layout of compartments to meet your needs and hold a variety of small or medium-sized parts and pieces. This is done by utilizing various sizes of walls and ribs.

Wall sizes



Example configuration

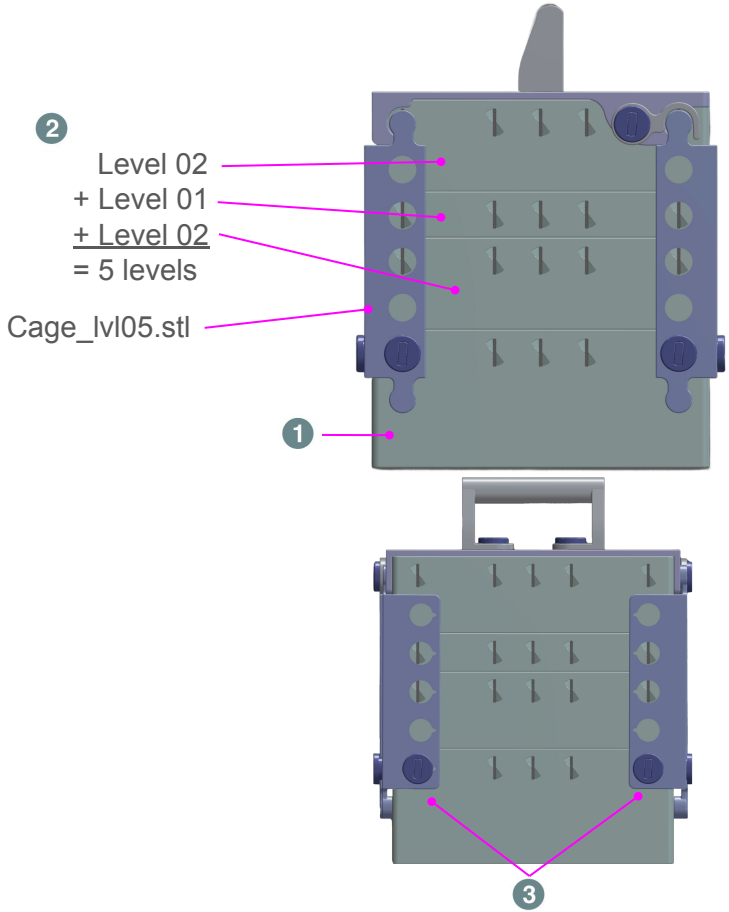


How to use Modi Cage

What you need to know:

1. 1 Boxi will serve as your base. This can be a Level 02 or higher.
2. To know what size Cage sides to print, you need to add up all the levels you want to stack above the base Boxi and print the Cage sides for that amount.

   Example: Cage_LVL05.stl is needed for the example shown.
3. When attaching the Cage side, keep the matching sides on the same sides of the Boxis. You will need to turn half of them upside down to make this happen.



Build list for just the cage:

4X	Bolt_1.stl
4X	Bolt_2.stl
4x	Cage sides
1x	Latch Lid setup *(see page 12)*

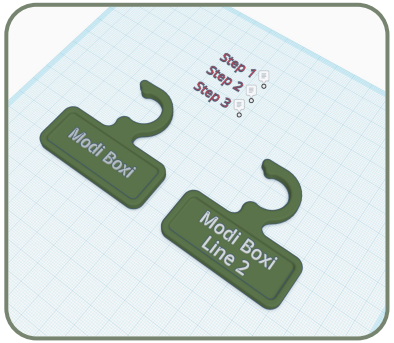
See Starter Boxi: Large Cage and medium for an example build.

youtube: [Modi Boxi: Modi Cage]

Tinkercad Remix Files

Name tags

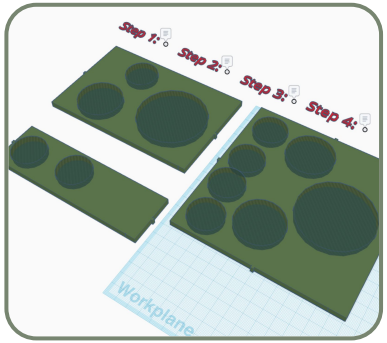
Make your own name tag for your Boxis.



Link: TinkerCAD medium Links

Mini trays medium

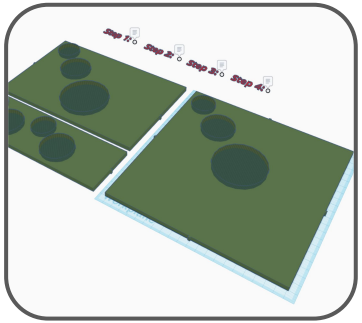
Use Tinkercad to customize your own trays to meet the needs of your army.



Link: TinkerCAD medium Links

Mini trays large

Use Tinkercad to customize your own trays to meet the needs of your army.



Link: TinkerCAD Large Links

Learn TickerCAD

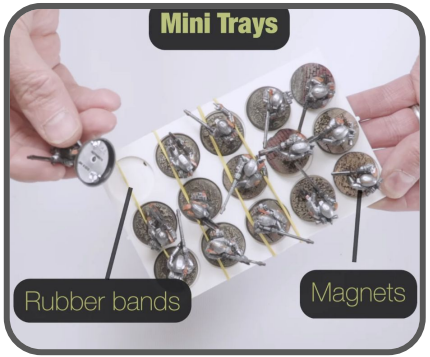
Never used Tinkercad? Not a problem. It is pretty simple. Start with this Tutorial.

Link: How to use TinkerCAD

How to hold down your minis on the Mini Trays

The Mini Trays are using gravity to hold and store your minis — if you are transporting them without disturbing them too much. If you transport your minis with significant agitation, you can employ other options to secure them.

Rubber bands



Link: Rubber Bands

Magnetic dots

Link: Magnetic Dots

Magnetic sheets

Link: Magnetic sheets

How to magnetize your Minis

How to MAGNETIZE your Miniature Bases for Storage and Transport! (Quick and Easy)

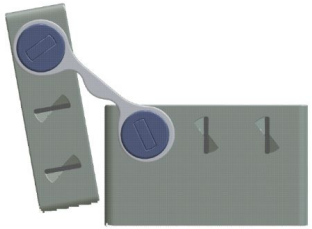
YouTube

Example Builds

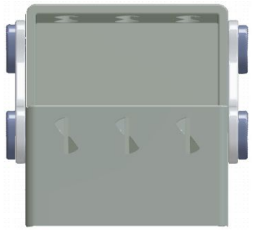
Starter Boxi: Small Card and Deck Holder

4X	Bolt_1.stl
1X	S_Boxi_01.stl
1X	S_Boxi_02.stl
2x	S_Arm_02f.stl

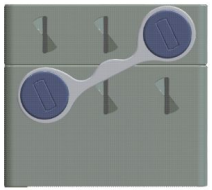
Side Open



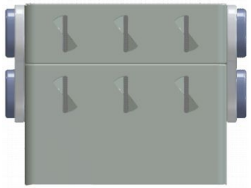
Front Open

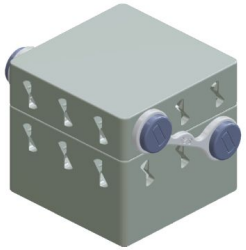


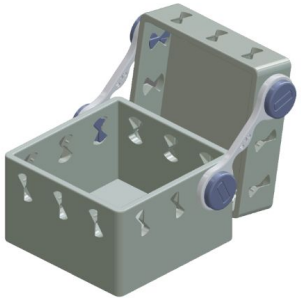
Side Closed



Front Closed

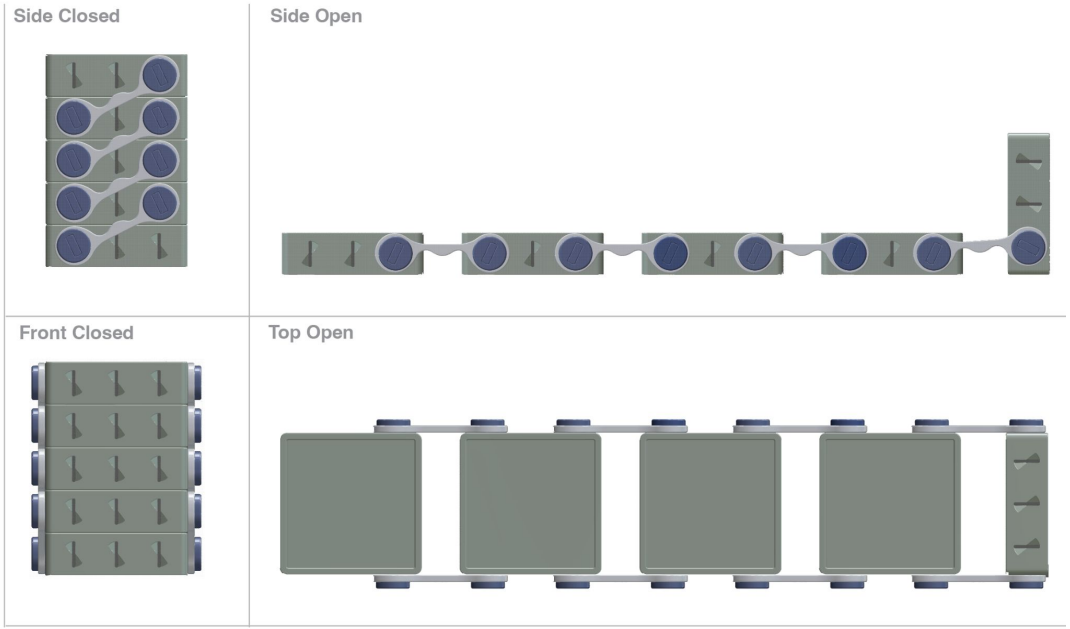


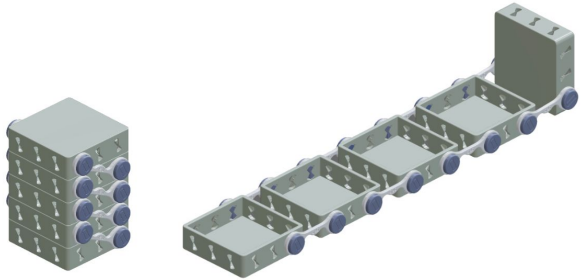




Starter Boxi: Dice and Small Parts Holder

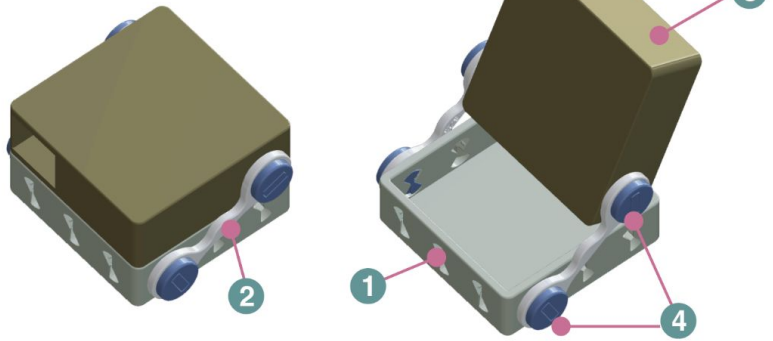
16X	Bolt_1.stl
5X	S_Boxi__01.stl
8x	S_Arm_02f.stl
1x	S_SPT__01_1.stl
1x	S_SPT__01_2.stl
2x	S_SPT__01_4.stl

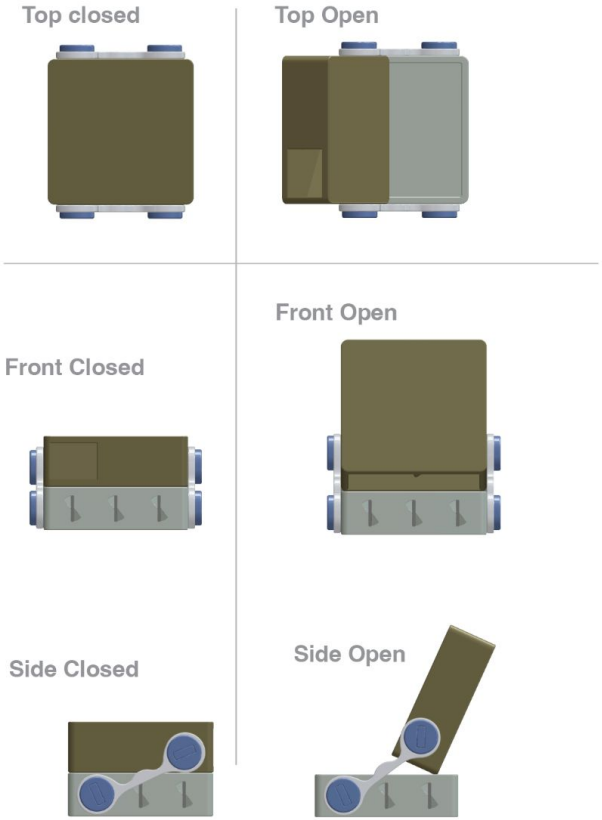




Starter Boxi: Dice Roller Small

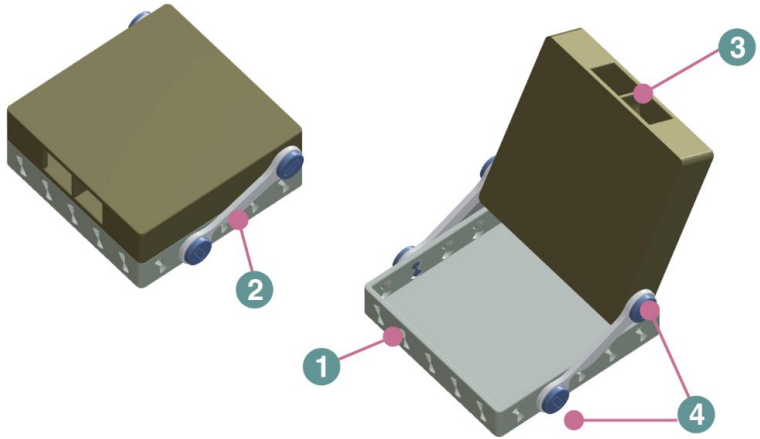
1. 1X S_Boxi_L01.stl
2. 2x x_02f.stl or S_Arm_01f.stl
3. 1X S_Dice_tower_tops.stl
4. 4X Bolt_1.stl

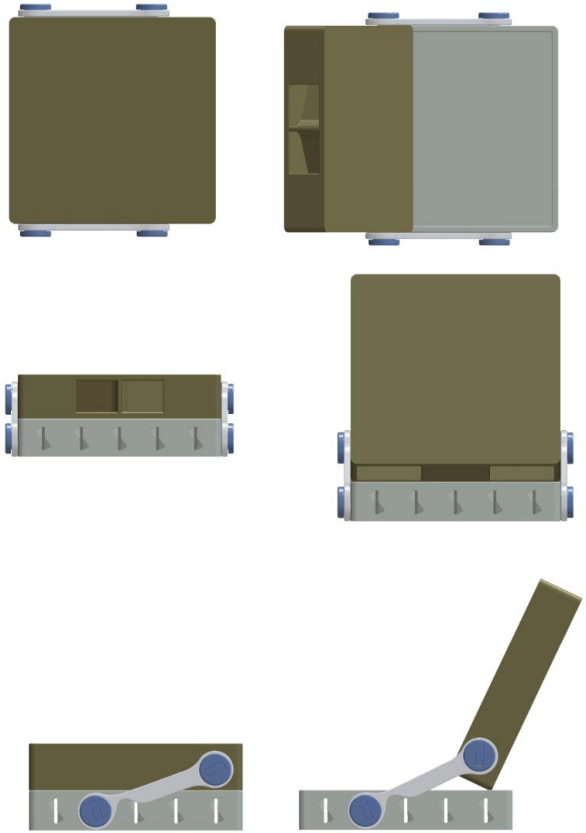




Starter Boxi: Dice Roller Medium

1. 1X M_Boxi_01.stl
2. 2x M_Arm_01f.stl
3. 1X M_Dice_tower_tops.stl

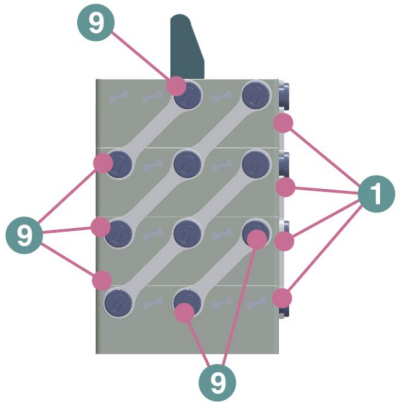




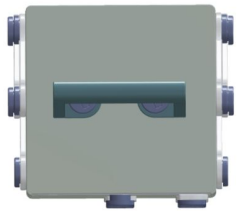
Starter Boxi: Medium Drawers, Page 1

1	4X	M_Drawer_Boxi_02.stl
2	4X	M_Drawer_insert_Boxi_02.stl
3	12x	M_Arm_02.stl
4	3x	lockHocks_02
5	1x	Side_Handle.stl
6	4x	Spacer01.stl
7	1x	KickStand_8.stl
8	8X	Bolt_02.stl
9	20X	Bolt_01.stl

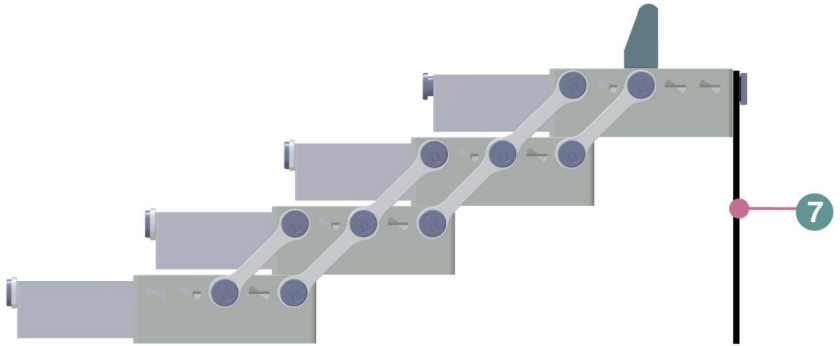
Side Closed



Top Closed



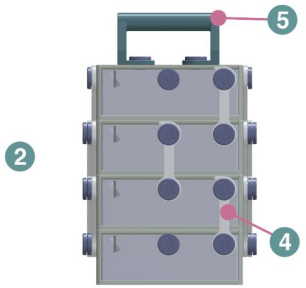
Top Open



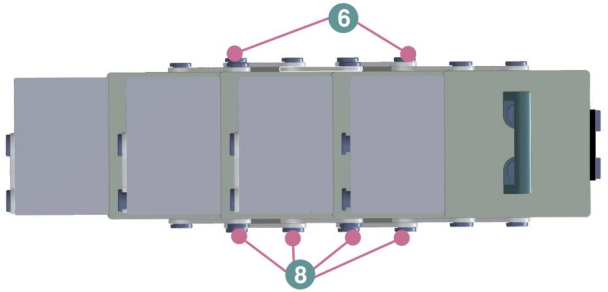
Starter Boxi: Medium Drawers, Page 2

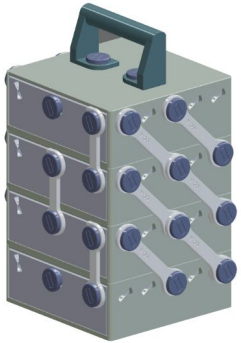
1	4X	M_Drawer_Boxi_02.stl
2	4X	M_Drawer_insert_Boxi_02.stl
3	12x	M_Arm_02.stl
4	3x	lockHocks_02
5	1x	Side_Handle.stl
6	4x	Spacer01.stl
7	1x	KickStand_8.stl
8	8X	Bolt_02.stl
9	20X	Bolt_01.stl

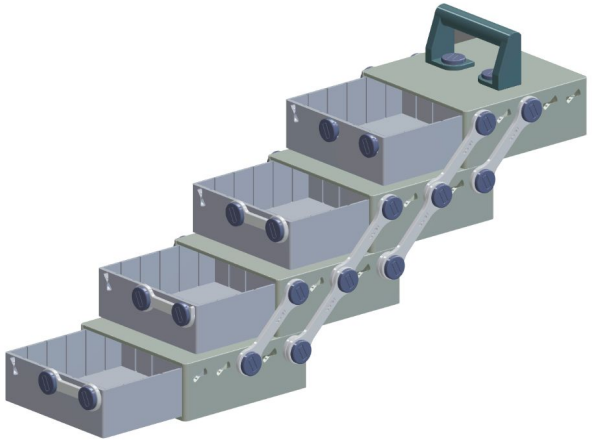
Front Closed



Side Open



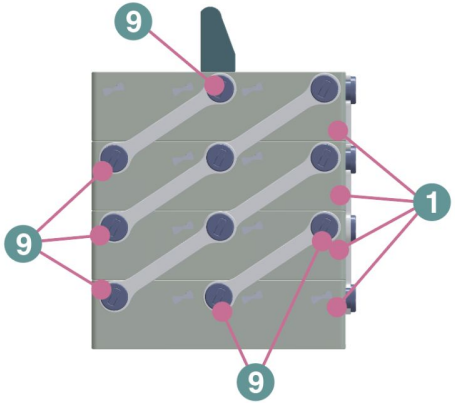




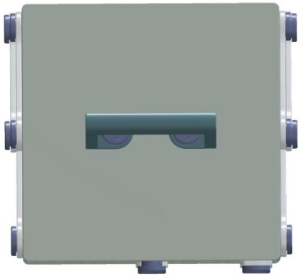
Starter Boxi: Large Drawers, Page 1

1	4X	L_Drawer_Boxi_02.stl
2	4X	L_Drawer_insert_Boxi_02.stl
3	12x	L_Arm_02.stl
4	3x	lockHocks_02.stl
5	1x	Side_Handle.stl
6	4x	Spacer01.stl
7	1x	kickstand_235
8	8X	Bolt_02.stl
9	20X	Bolt_01.stl

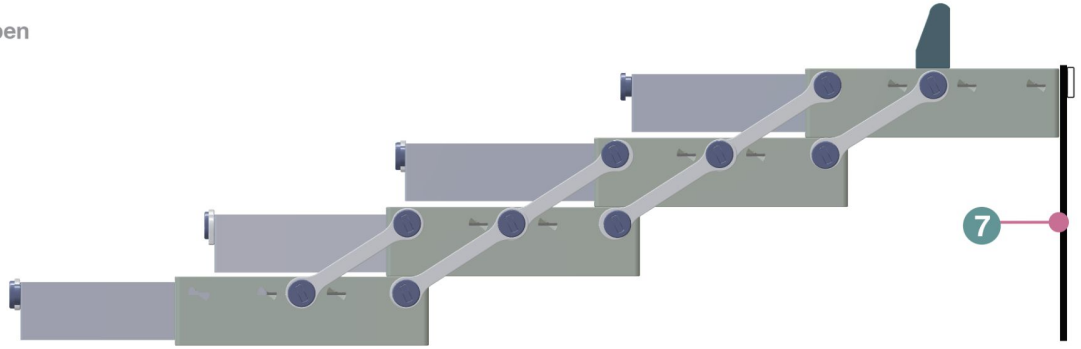
Side Closed



Top Closed

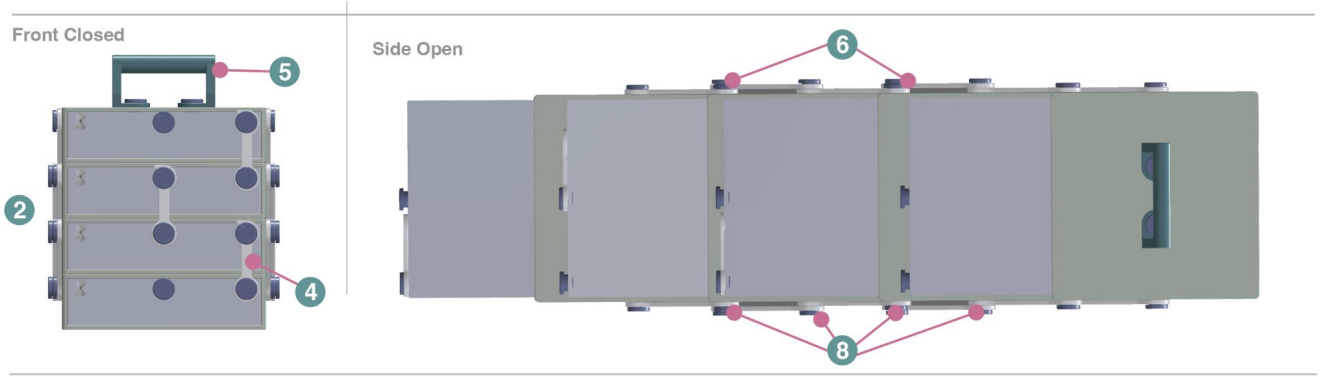


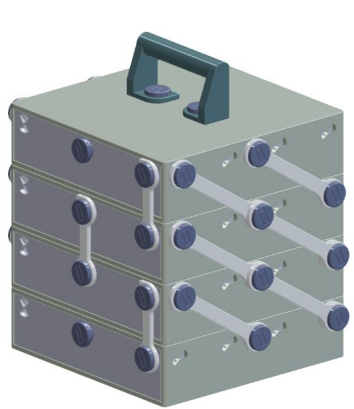
Top Open

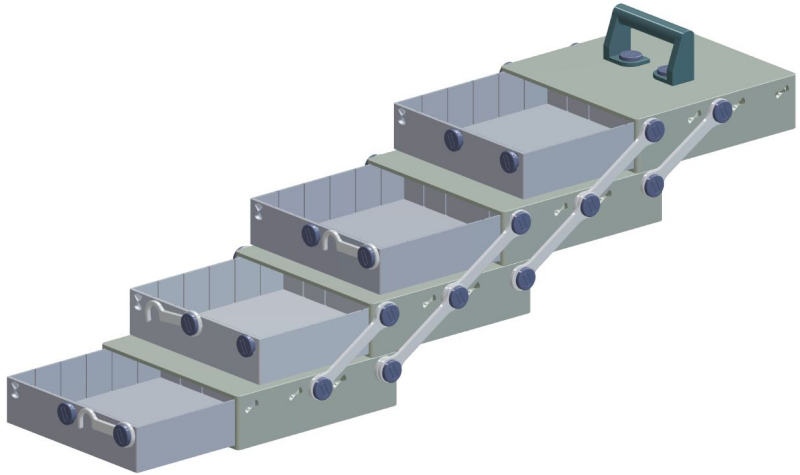


Starter Boxi: Large Drawers, Page 2

1	4X	L_Drawer_Boxi_02.stl
2	4X	L_Drawer_insert_Boxi_02.stl
3	12x	L_Arm_02.stl
4	3x	lockHocks_02.stl
5	1x	Side_Handle.stl
6	4x	Spacer01.stl
7	1x	kickstand_235
8	8X	Bolt_02.stl
9	20X	Bolt_01.stl

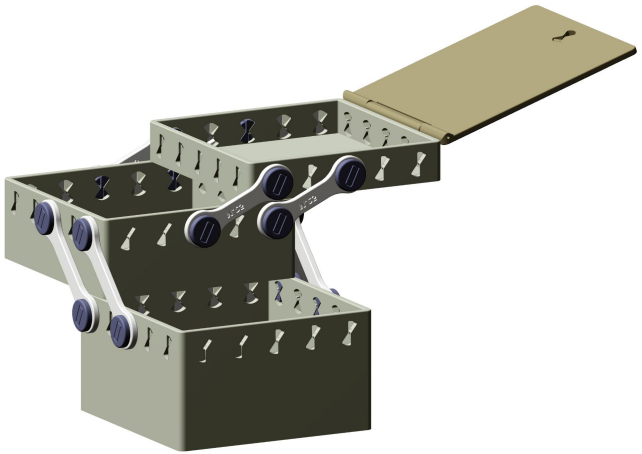


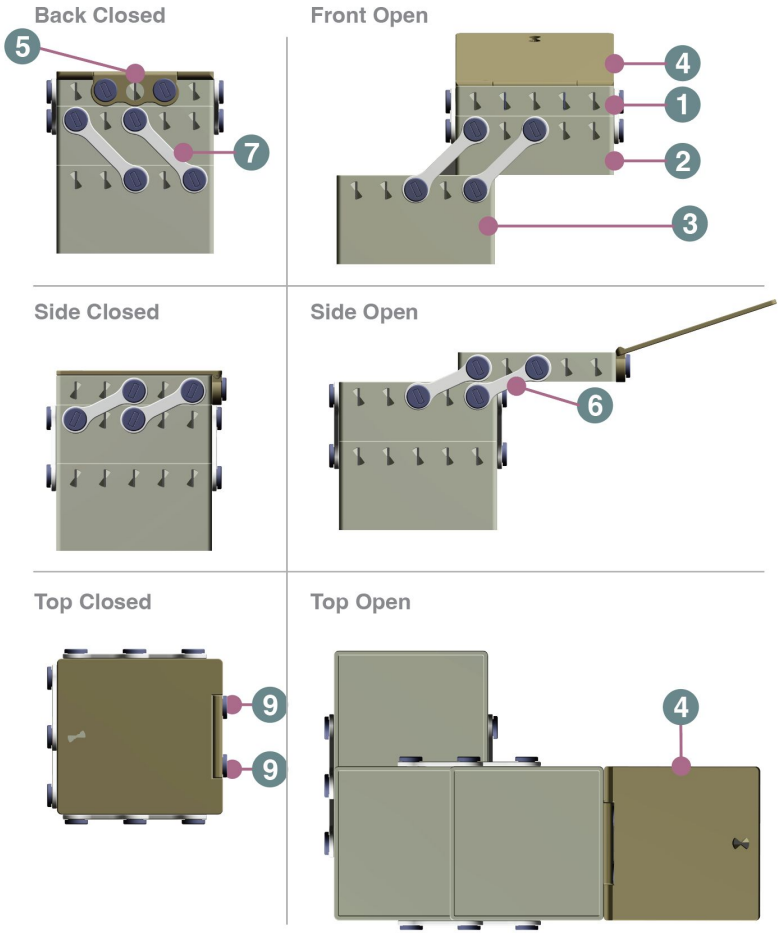




Starter Boxi: Medium Steps Boxi

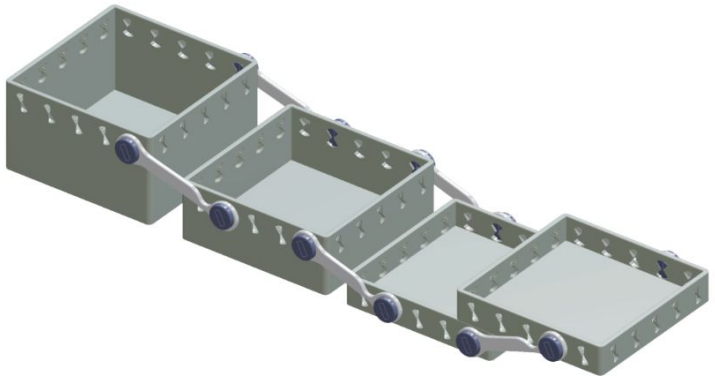
1	1X	M_Boxi_LVL01.stl
2	1X	M_Boxi_LVL02.stl
3	1X	M_Boxi_LVL03.stl
4	1x	M_Flip_Lid.stl
5	1x	Hinge_for_Flip_Lid.stl
6	4x	M_Arm_01.stl
7	4x	M_Arm_02.stl
8	16X	Bolt_01.stl
9	2X	Bolt_02.stl

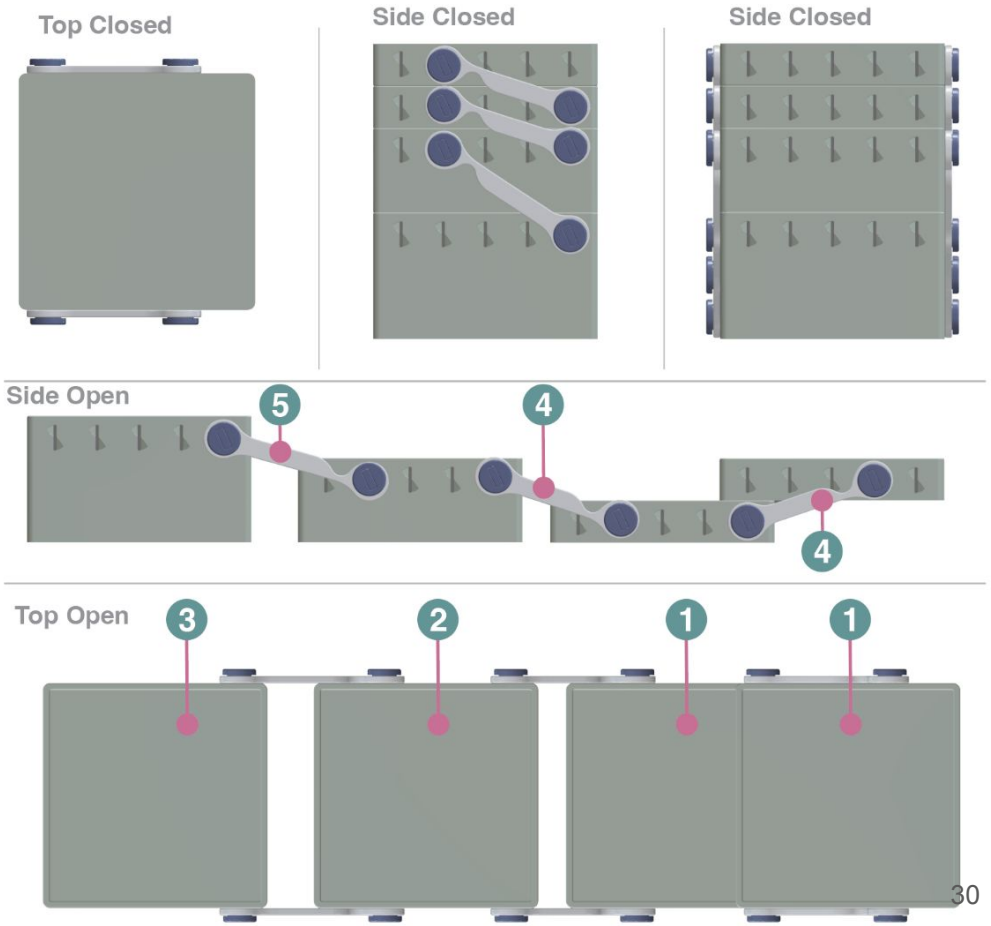




Starter Boxi: Medium Flat Boxi

1. 2X M_Boxi_LVL01.stl
2. 1X M_Boxi_LVL02.stl
3. 1X M_Boxi_LVL03.stl
4. 4x M_Arm_01f.stl
5. 2x M_Arm_02f.stl
6. 12X Bolt_01.stl

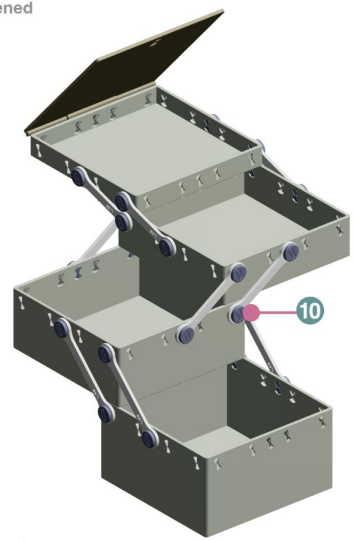




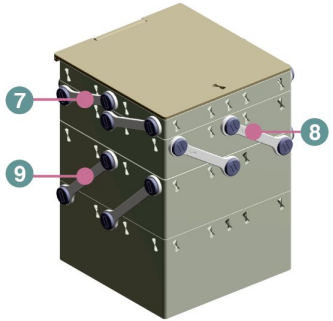
Starter Boxi: Large Steps Boxi

1	1X	L_Boxi_LVL01.stl
2	1X	L_Boxi_LVL02.stl
3	1X	L_Boxi_LVL03.stl
4	1X	L_Boxi_LVL04.stl
5	1x	L_Flip_Lid.stl
6	1x	Hinge_for_Flip_Lid.stl
7	4x	L_Arm_01.stl
8	4x	L_Arm_02.stl
9	4x	L_Arm_03.stl
10	20X	Bolt_1.stl
11	2X	Bolt_2.stl

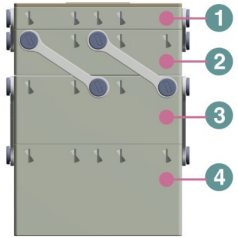
Opened



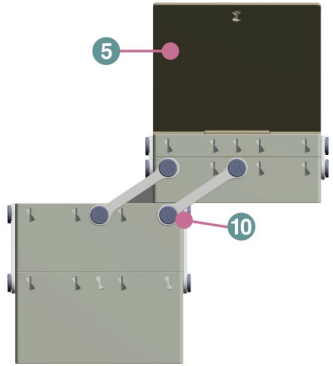
Closed



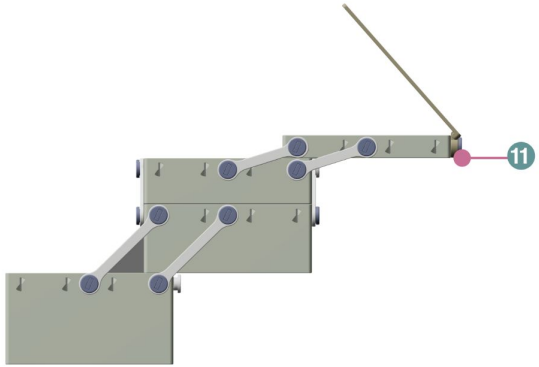
Side Closed



Side 1 Open



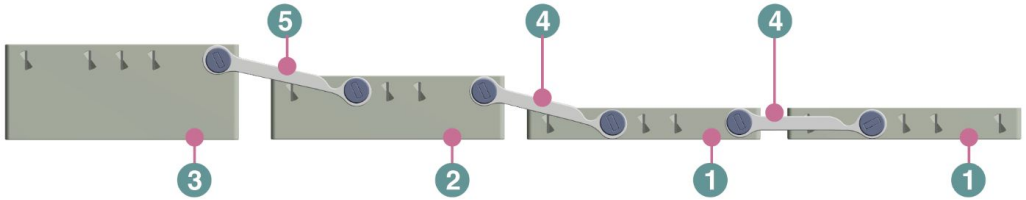
Side2 Open



Starter Boxi: Large Flat Boxi

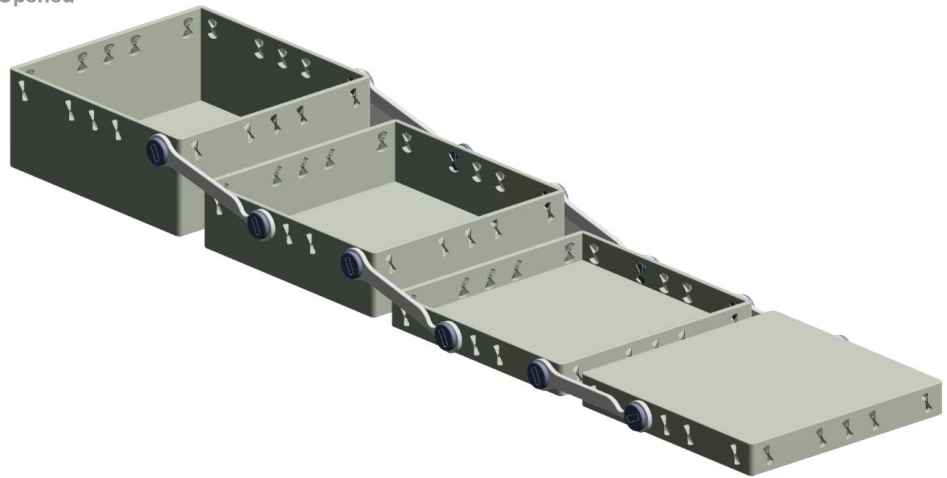
1. 2X L_Boxi_LVL01.stl
2. 1X L_Boxi_LVL02.stl
3. 1X L_Boxi_LVL03.stl
4. 4x L_Arm_01f.stl
5. 2x L_Arm_02f.stl
6. 12X Bolt_1.stl

Side Open

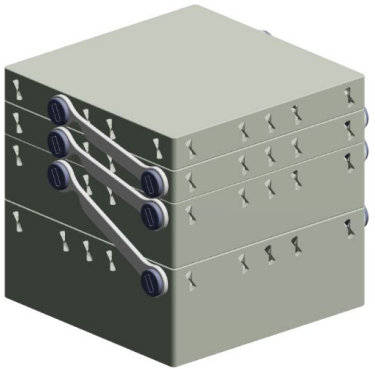


Front Closed

Opened



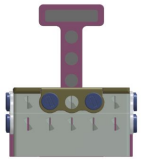
Closed



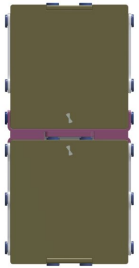
Starter Boxi: Medium Tackle Boxi

1	2X	M_Boxi_LVL01.stl
2	2X	M_Boxi_LVL02.stl
3	2x	M_Arm_01f.stl
4	4x	L_Arm_01f.stl
5	18X	Bolt_1.stl
6	4X	Bolt_2.stl
7	2x	M_Flip_Lid.stl
8	2x	Hinge_for_Flip_Lid.stl
9	1x	Handle_06.stl
10	1x	M_JoinBox.stl

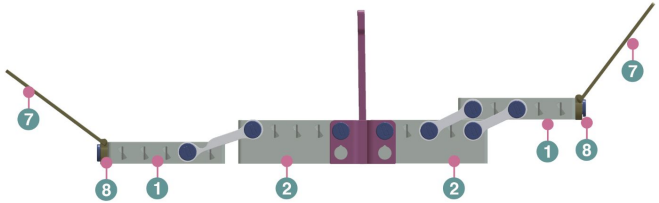
Back Open



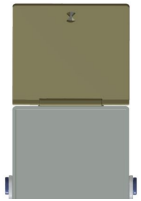
Top Closed



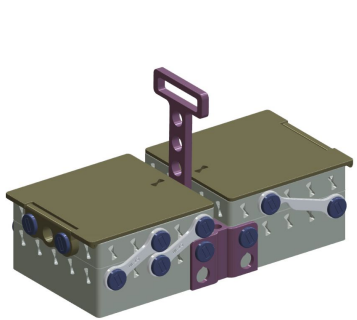
Side Open

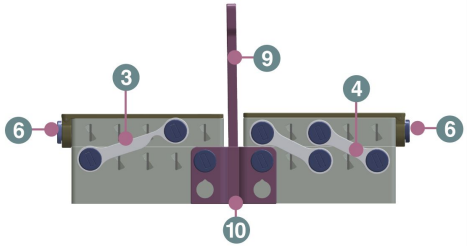


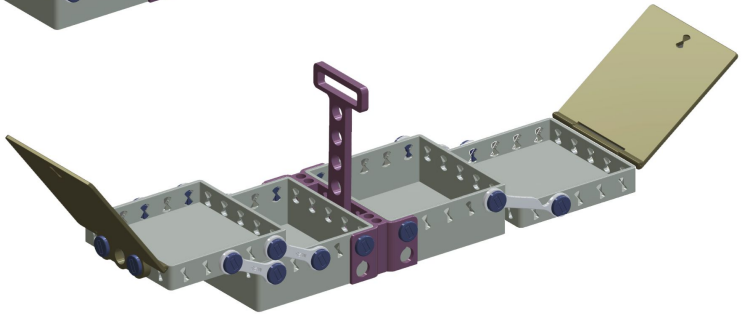
Top Open



Side Closed



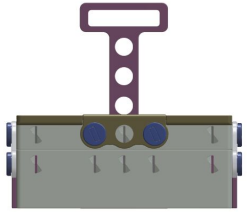




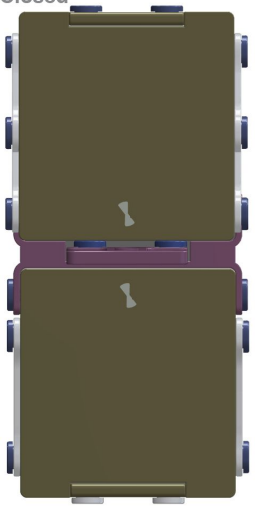
Starter Boxi: Large Tackle Boxi

1	2X	L_Boxi_LVL01.stl
2	2X	L_Boxi_LVL02.stl
3	2x	L_Arm_01f.stl
4	4x	L_Arm_01.stl
5	18X	Bolt_1.stl
6	4X	Bolt_2.stl
7	2x	L_Flip_Lid.stl
8	2x	Hinge_for_Flip_Lid.stl
9	1x	Handle_06.stl
10	1x	L_JoinBox.stl

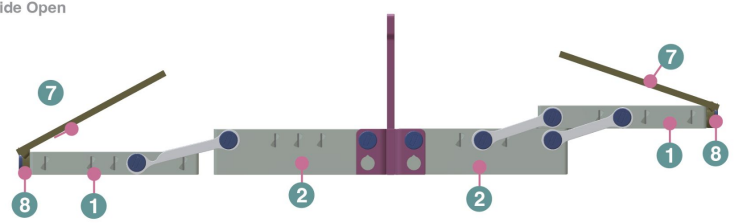
Back Open



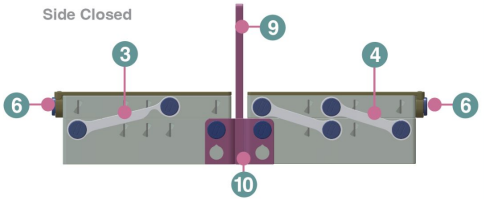
Top Closed

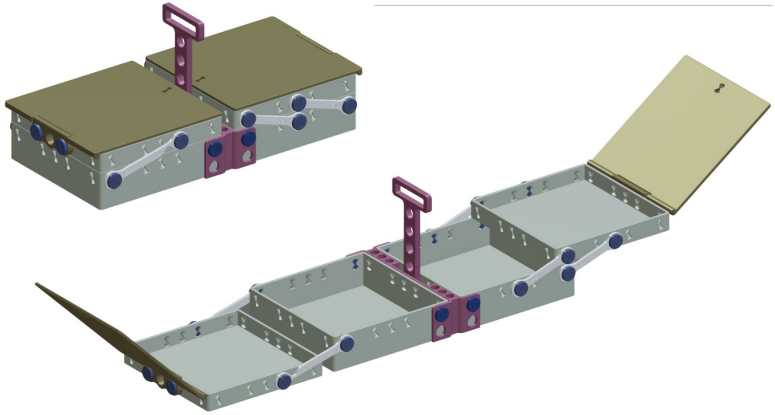


Side Open



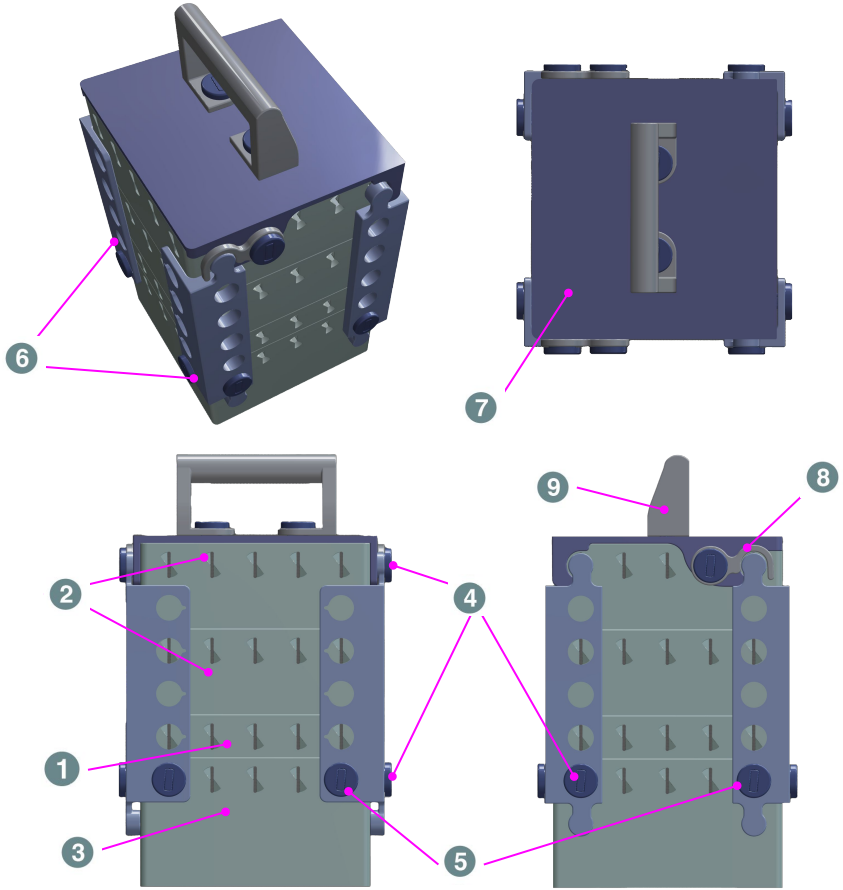
Side Closed





Starter Boxi: Medium Cage

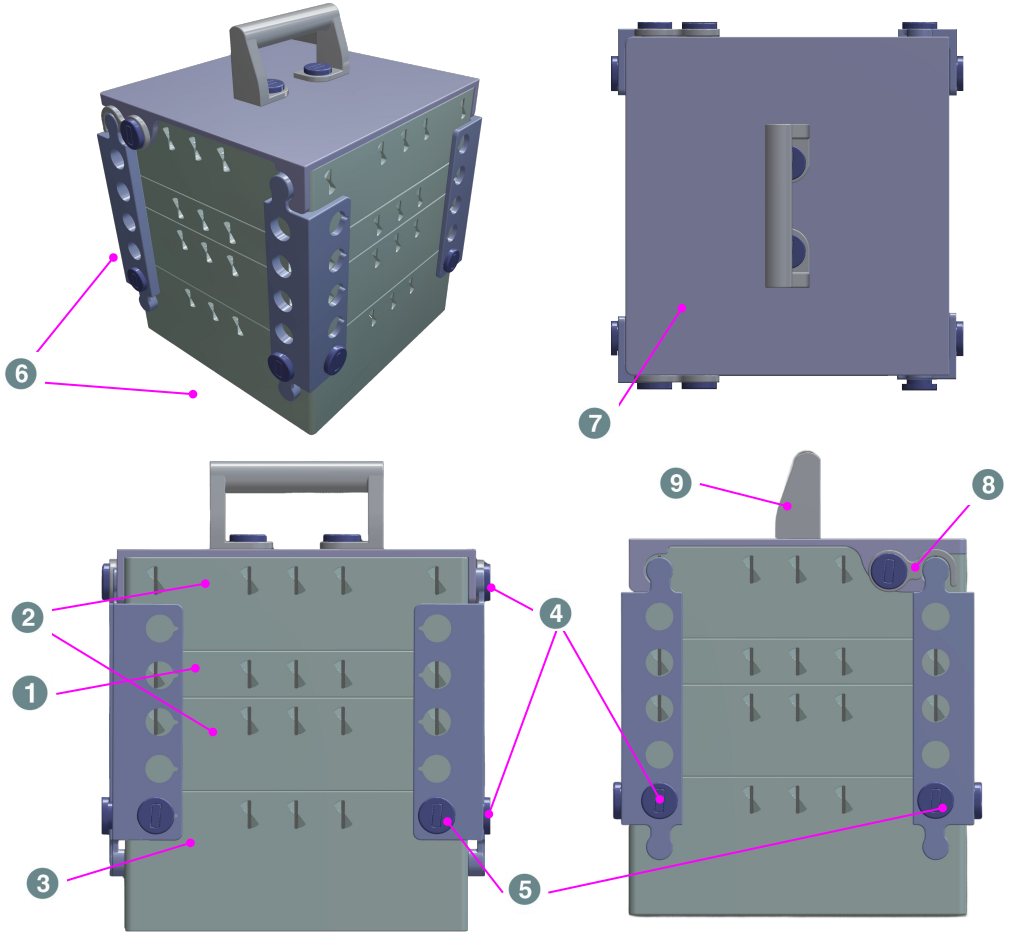
1. 1X M_Boxi_LVL01.stl
2. 2X M_Boxi_LVL02.stl
3. 1X M_Boxi_LVL03.stl
4. 8X Bolt_1.stl
5. 4X Bolt_2.stl
6. 4x Cage_5.stl
7. 1x M_Latch_Lid_with_handle_support
8. 2x lockHooks_01.stl
9. 1x Side_Handle.stl



youtube: [Modi Boxi: Modi Cage]

Starter Boxi: Large Cage

1	1X	L_Boxi_LVL01.stl
2	2X	L_Boxi_LVL02.stl
3	1X	L_Boxi_LVL03.stl
4	8X	Bolt_1.stl
5	4X	Bolt_2.stl
6	4x	Cage_5.stl
7	1x	L_Latch_Lid_with_handle_support
8	2x	lockHooks_01.stl
9	1x	Side_Handle.stl



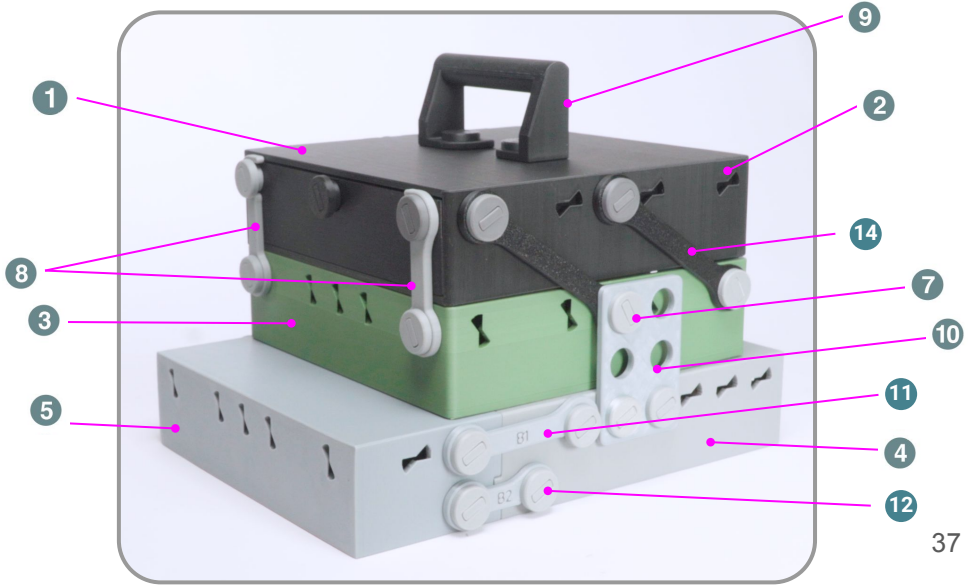
youtube: [Modi Boxi: Modi Cage]

Starter Boxi: Large Boxi Carrier

1	1X	L_Drawer_Boxi_LVL02.stl
2	1X	L_Drawer_insert_Box_LVL02.stl
3	2X	L_Boxi_LVL02.stl
4	1X	Boxi_carrier_Big_Side.stl
5	1X	Boxi_carrier_Small_Side.stl
6	16X	Bolt_1.stl
7	2X	Bolt_2.stl
8	2x	lockHooks_02.stl
9	1x	Side_Handle.stl
10	1x	Side_connector_2x_3.stl
11	2x	Boxi_carrier_hock_B2.stl
12	2x	Boxi_carrier_hock_B1.stl
13	4x	L_Arm_02.stl

youtube: Modi Boxi: Boxi Carrier

youtube: Modi Boxi: Mega boxi Carrier



Starter Boxi: DIY Dice Tower

1. 1X diceTower_btm.stl
2. 2X diceTower_Mid.stl
3. 1X diceTower_Top.stl
4. 1X S_Boxi_LVL01.st
5. 12X Bolt_1.stl
6. 4X Bolt_2.stl
7. 8x S_Arm_02.stl
8. 2x x_02f.stl
9. 1x S_Basket_Handle.stl
10. 2x lockHooks_05.stl
11. 1x spacer_1.stl
12. 1X Side_connector_2x_3.stl

    Or

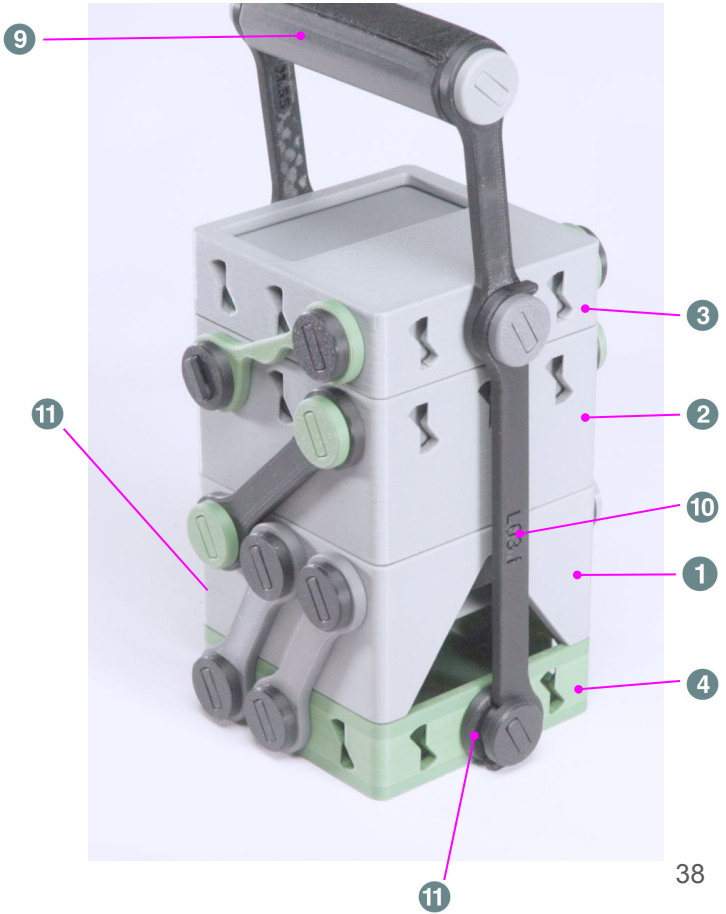
    1X Side_connector_3.stl

Optional:

S_SPTL_1_Lyr01.stl

S_SPTL_2_Lyr01.stl

S_SPTL_4_Lyr01.stl



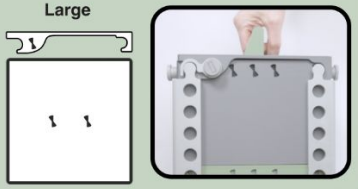
youtube: [Modi Boxi DIY Dice Tower]

Parts List

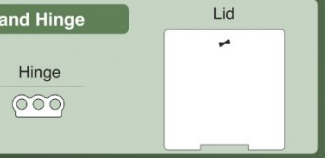
Modi Boxi Large Gamer File List (1 of 3)

Boxis

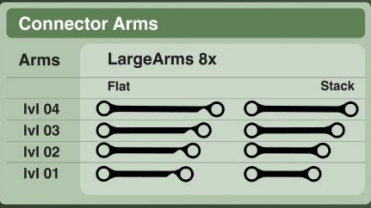
Latch Lid



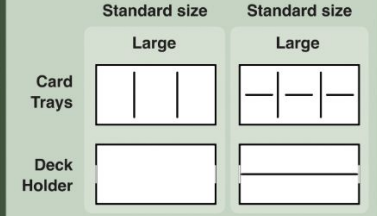
Lid and Hinge



Connector Arms



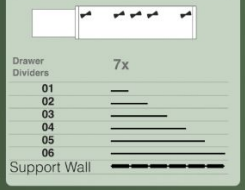
Card Holders



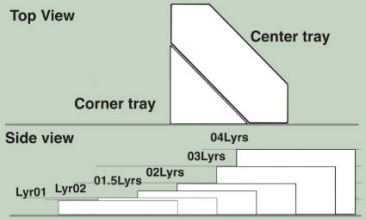
Backet Handle

Angle Small Parts Trays

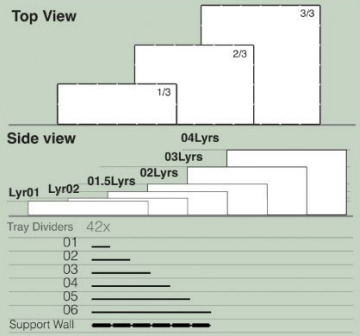
Drawers and Dresser



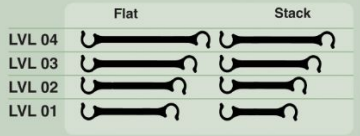
Angle Trays



DIY Trays

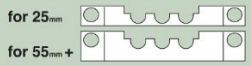


Quick Link Connector Arms

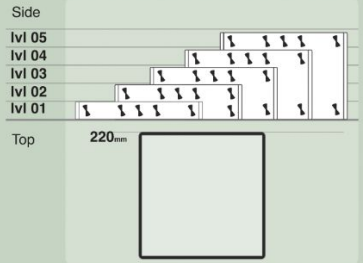


*Design could change. For illustration purposes only.
*There could be some limitations on weight.

Boxi Mounts



Boxi Extenders



Modi Boxi Large Gamer File List (2 of 3)

Boxi Carrier

Mini Holders (Hex)

Base Size	Large Boxi		
	1/3	2/3	3/3
35			
40			

Mini Holders (Square)

Base Size	Large Boxi		
	1/3	2/3	3/3
40			

Paint Holders

LVL 03 Height

LVL 03 Height

LVL 02 Height

LVL 04 Height

Modi Rails

Large

lvl 04
lvl 03
lvl 02
lvl 01

Hold Downs

Small Part Trays

All small parts trays come in 1st and 2nd layers height (25mm and 30mm)

Large

Lid

Heights

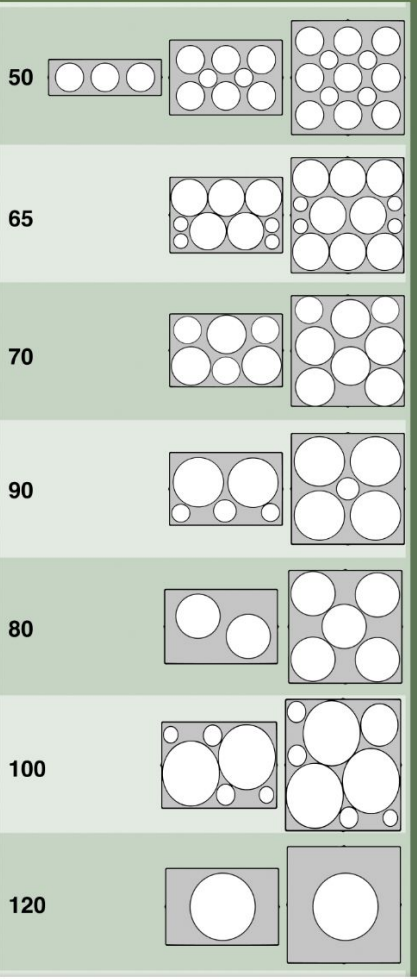
1st layer trays (25mm) 1st layer with lids (30mm) 2nd layer (30mm)

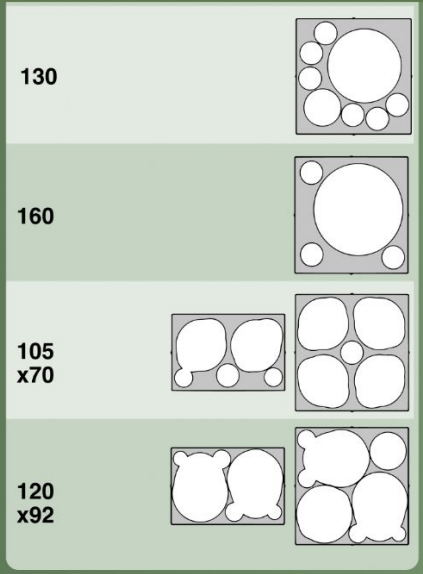
Modi Boxi Large Gamer File List (3 of 3)

Mini Holders (round)

Mini holders are designed to sit in the DIY Trays so you can stack more of them in one box and keep your Minis safer. This also lets you add walls

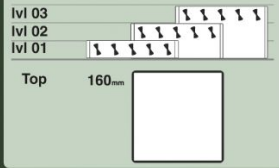
Base Size	Large Boxi		
	1/3	2/3	3/3
	Magnet Pad	Magnet Pad	Magnet Pad
25			
28			
32			
40			



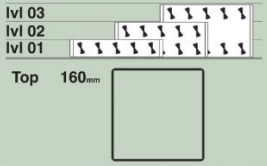


Modi Boxi Medium Gamer File List (1 of 2)

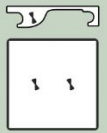
Boxi



Boxi Extenders

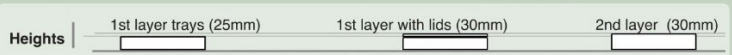


Latch Lid

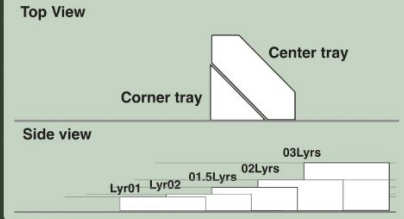


Small Part Trays

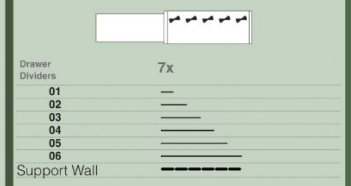
All small parts trays come in 1st and 2nd layers height (25mm and 30mm)



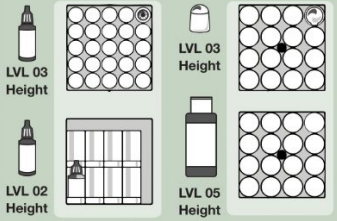
Angle Trays



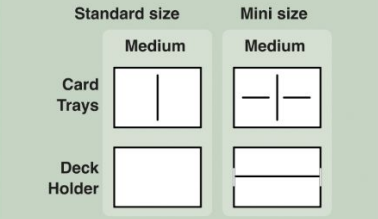
Drawer and Dresser



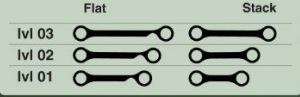
Paint Holders



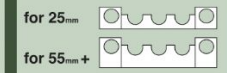
Card Holders



Connector Arms

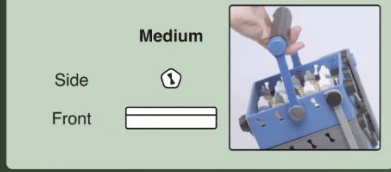


Boxi Extenders



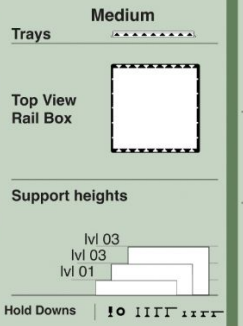
Lids and Hinge

Backet Handle

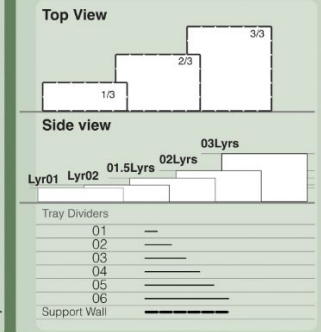


Angle Small Parts Trays

Modi Rails



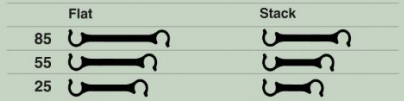
DIY trays



Modi Boxi Medium Gamer File List (2 of 2)

Dice Roller Topper

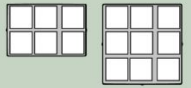
Quick Link Connector Arms



*Design could change. For illustration purposes only.
*There could be some limitations on weight.

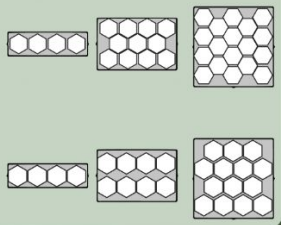
Mini Holders (Square)

Base Size	Medium Boxi		
	1/3	2/3	3/3
40			



Mini Holders (Hex)

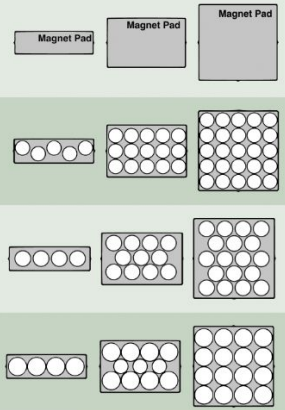
Base Size	Medium Boxi		
	1/3	2/3	3/3
35			
40			

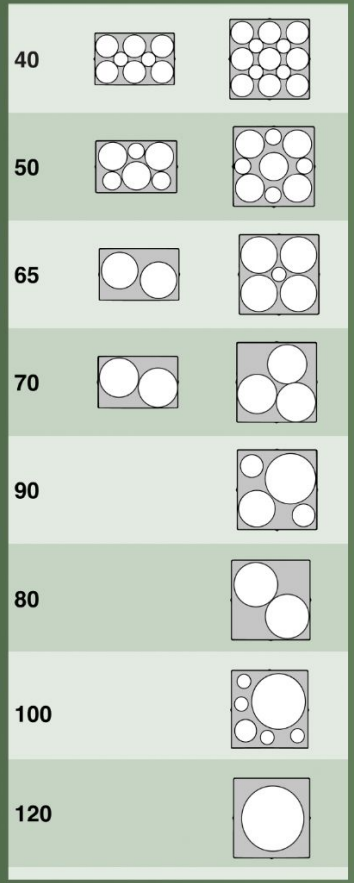


Mini Holders (round)

Mini holders are designed to sit in the DIY Trays so you can stack more of them in one box and keep your Minis safer. This also lets you add walls

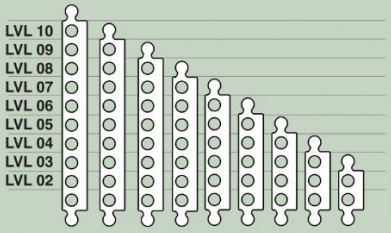
Base Size	Medium Boxi		
	1/3	2/3	3/3
	Magnet Pad	Magnet Pad	Magnet Pad
25			
28			
32			



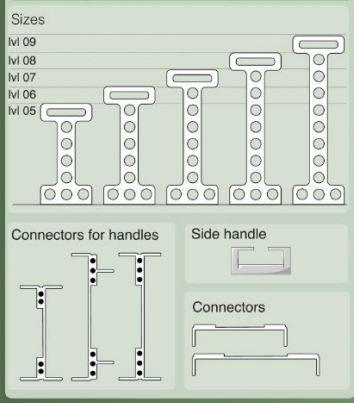


Modi Boxi Core Medium & Large

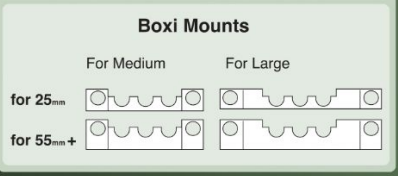
Modi Cage



Handles and Connectors

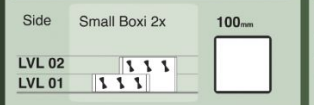


Boxi Mounts

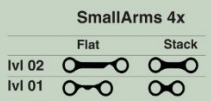


Modi Boxi Small Gamer File List

Boxi Small



Connector Arms



Card Holders

Small Boxi Dividers

Quick Link Connector Arms

*Design could change. For illustration purposes only.
*There could be some limitations on weight.

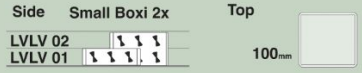
Drawers and Dresser

Basket handle

Small Part Trays

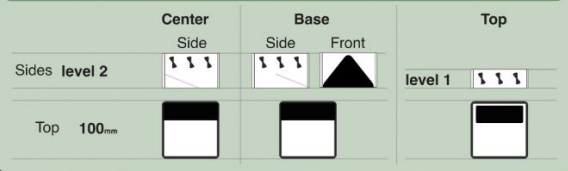
All small parts trays come in 1st and 2nd layers height (25mm and 30mm)

Boxi Extenders



Dice Rollers Topper

DIY Dice Tower



Modi Boxi Core All Sizes

Modi Bolt System

Modi Bolts

250% scale

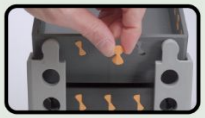
Modi Bolt Side

Top

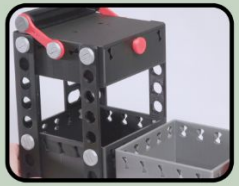
Bottom

Modi Bolt tool

Snap in place hole plugs



Corner & Side Connectors



Corner Connectors

235
205
175
145
115
85
55

Side Connectors

Outer-Tubes

Round

LVL 01 LVL 02 LVL 03

Wide

LVL 01 LVL 02 LVL 03

Boxi Mounts

Mounts

Mini 3x3 4x7

Kickstands

235
205
175
145
115

Snap on name plate

Locking Hooks

03
02
01
05
04

Connector Arms

Spacers ○ 5 ○ 10 ○ 15 | Bolt ◔ 5

Printer Support

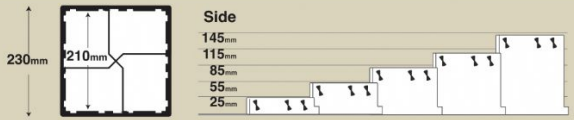
Print bed size	Small Boxi	Medium Boxi	Large Boxi
110×110mm (or larger)	✓		
165×165mm (or larger)	✓	✓	
225×225mm (or larger)	✓	✓	✓

Printer examples			Small Boxi	Medium Boxi	Large Boxi
Bambu Labs					
	A1 mini		✓	✓	Composite
	A1, P1P, P1S,X1		✓	✓	✓
Creality					
Ender-3 Ender-3 s1	Ender-3 v2 Ender-3 Neo	Ender-3-s1 Pro CR-10	✓	✓	Composite
Ender-3 s1 plus, Ender-3 Max	Ender-5		✓	✓	✓
Anycubic					
Kobra, Kobra 2 Neo, Kobra 2 pro,	Kobra Go		✓	✓	Composite
Kobra Max, Kobra 2 Max, Kobra 2 Plus,	Kobra Plus, Vyper, Anycubic C, Mega X		✓	✓	✓
Prusa					
i3 MK3S+	i3 MK3S+		✓	✓	Composite
Original Prusa MINI+	Original Prusa MK4		✓	✓	Composite

Ankermake				
	M5C	✓	✓	Composite
	M5	✓	✓	✓
Elegoo				
Neptune 2 Neptune 2D	Neptune 3 Neptune X	✓	✓	Composite
Neptune 3 - (pro, Plus, Max)	Neptune 4	✓	✓	✓
Flashforge				
	Adventurer 3	✓		
	Finder 3	✓	✓	
Adventurer 4	Adventurer 5M	✓	✓	Composite
Guider II	Creator 3 Pro	✓	✓	✓

Large Composite Boxi for smaller printers. 8 .STLs

This set of files are for printers that have a bed size of 130 x 160mm or larger



Lid and Connector for handles are for printers that have a bed size of 210 x 210mm

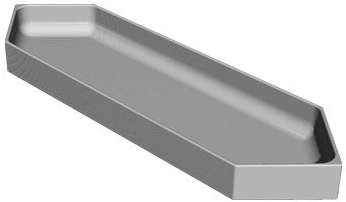
Parts Images

L_Angle_small_Parts_tray_half_Lyr01_Center.png

L_Angle_small_Parts_tray_half_Lyr01_corner.png

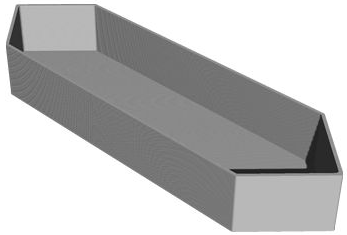
L_Angle_small_Parts_tray_Lyr01_Center.png

L_Angle_small_Parts_tray_Lyr01_corner.png

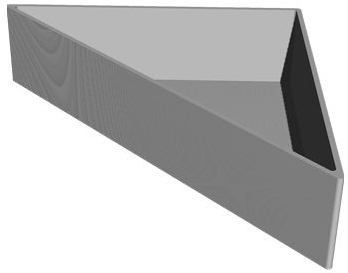


L_Angle_small_Parts_tray_open_Lyr01_Center.png

L_Angle_small_Parts_tray_open_Lyr01_corner.png



L_Angle_tray_01.5Lyrs_Center.png



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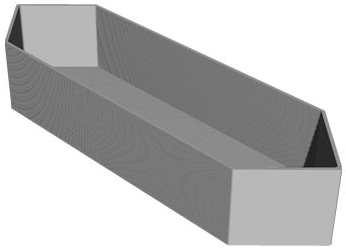
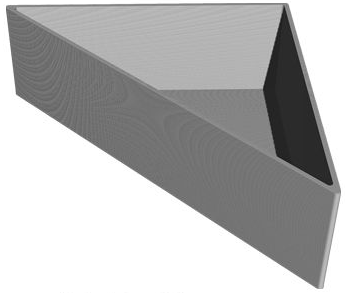
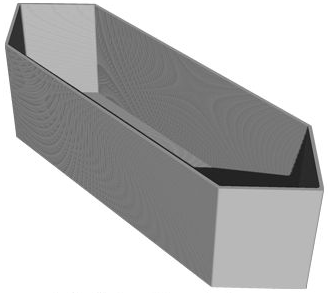


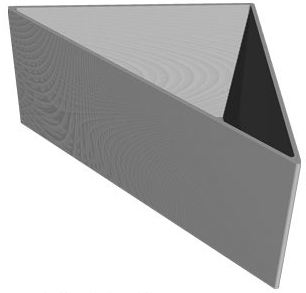
L_Angle_tray_02Lyrs_Center.png



L_Angle_tray_02Lyrs_corner.png



L_Angle_tray_03Lyrs_Center.png



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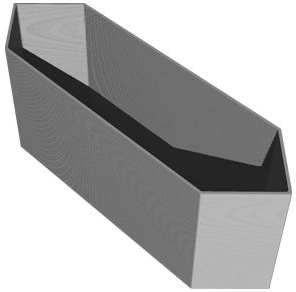
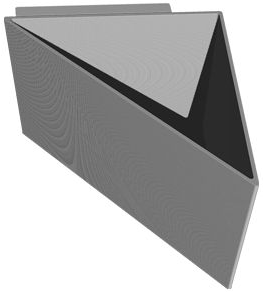
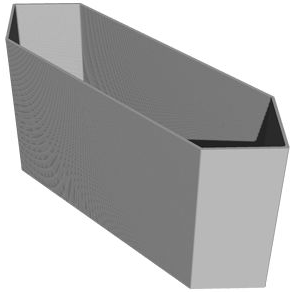


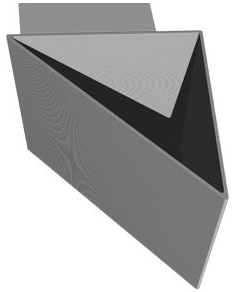
L_Angle_tray_04Lyrs_Center.png



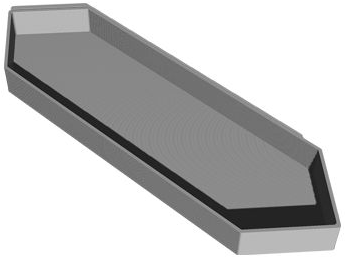
L_Angle_tray_04Lyrs_corner.png



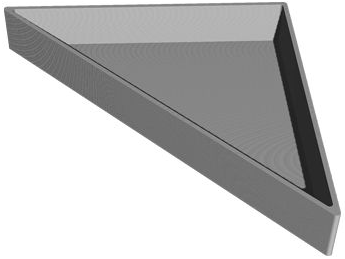
L_Angle_tray_05Lyrs_Center.png



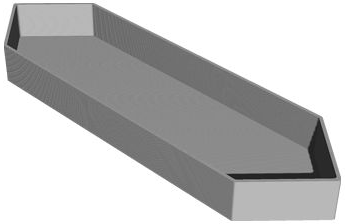
L_Angle_tray_05Lyrs_corner.png



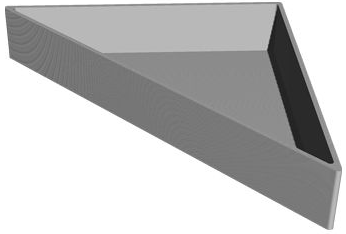
L_Angle_tray_Lyr01_Center.png



L_Angle_tray_Lyr01_corner.png



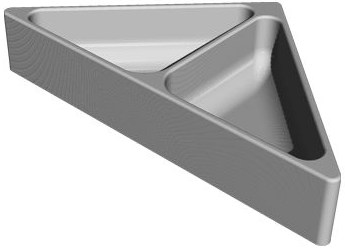
L_Angle_tray_Lyr02_Center.png



L_Angle_tray_Lyr02_corner.png

M_Angle_small_Parts_tray_half_Lyr01_Center.png

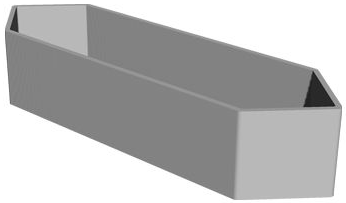
M_Angle_small_Parts_tray_half_Lyr01_corner.png



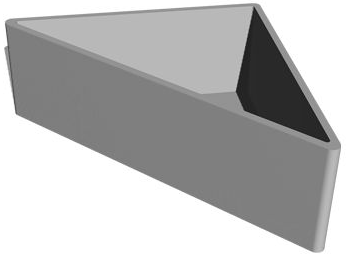
M_Angle_small_Parts_tray_Lyr01_corner.png

M_Angle_small_Parts_tray_open_Lyr01_Center.png

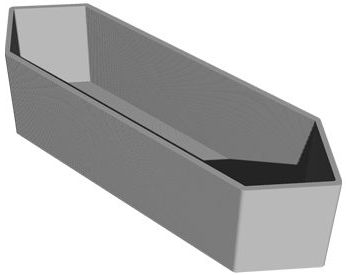
M_Angle_small_Parts_tray_open_Lyr01_corner.png



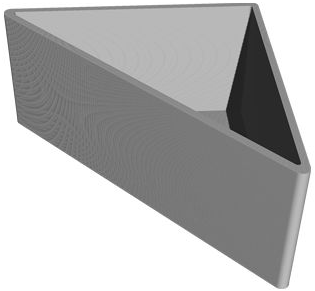
M_Angle_tray_01.5Lyrs_Center.png



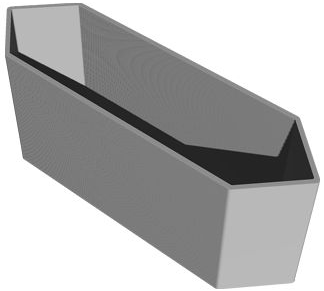
M_Angle_tray_01.5Lyrs_corner.png



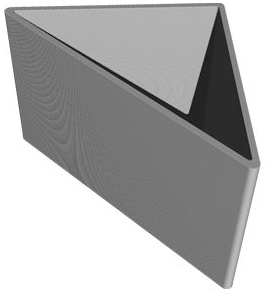
M_Angle_tray_02Lyrs_Center.png



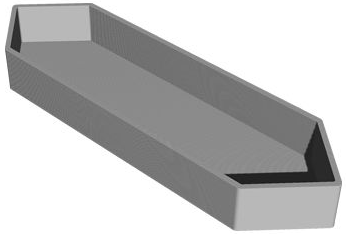
M_Angle_tray_02Lyrs_corner.png



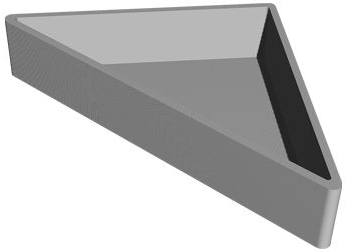
M_Angle_tray_03Lyrs_Center.png



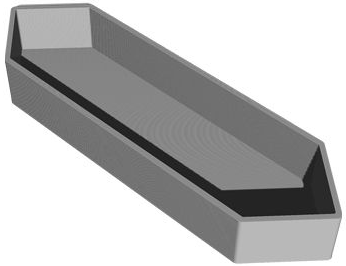
M_Angle_tray_03Lyrs_corner.png



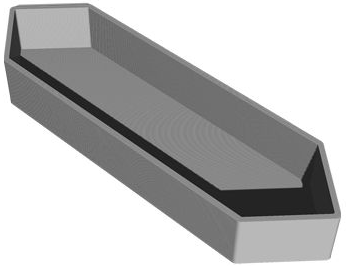
M_Angle_tray_Lyr01_Center.png



M_Angle_tray_Lyr01_corner.png



M_Angle_tray_Lyr02_Center.png



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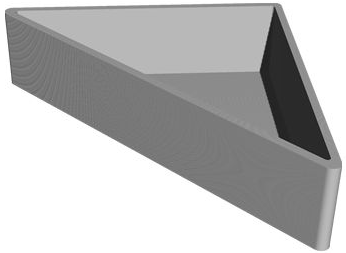


M_Angle_tray_Lyr02_corner copy.psd

L01_Arm_joint.png

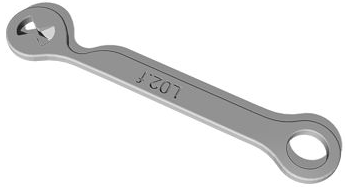
L01_Arms.png

L01f_Arm_joint.png

L01f_Arms.png

L02_Arm_joint.png

L02_Arms.png



L02f_Arm_joint.png

L02f_Arms.png

L03_Arm_joint.png

L03_Arms.png

L03f_Arm_joint.png

L03f_Arms.png

L04_Arm_joint.png

L04_Arms.png

L04f_Arm_joint.png

L04f_Arms.png

M01_Arm_joint.png

M01_Arms.png

M01f_Arm_joint.png

M01f_Arms.png

M02_Arm_joint.png

M02_Arms.png

M02f_Arm_joint.png

M02f_Arms.png

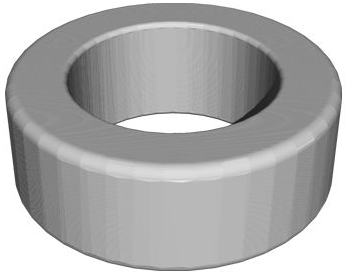
M03_Arm_joint.png

M03_Arms.png

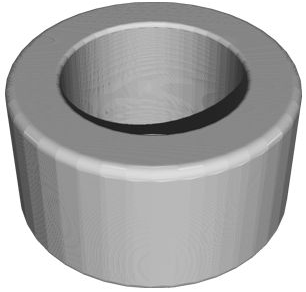
M03f_Arm_joint.png

M03f_Arms.png

Ring01.png



Ring02.png



Ring03.png

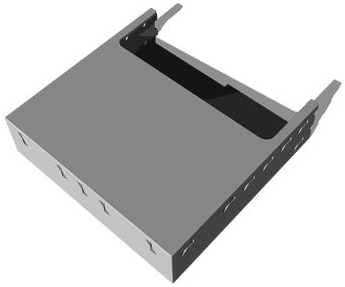
S01_Arms.png

S01f_Arm_joint_B.png

S01f_Arm_jointa.png

S02_Arms.png

S02f_Arm_joint.png



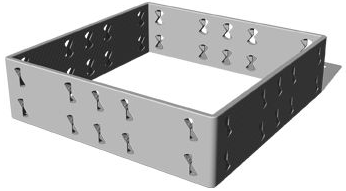
Boxi_carrier_BigSide_V03.png

Boxi_carrier_hock_B1_V01.png

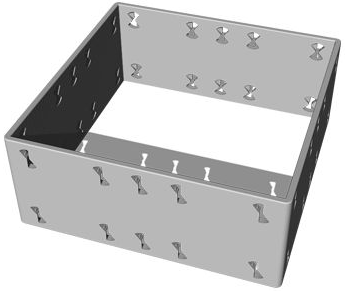
Boxi_carrier_hock_B2_V01.png

Boxi_carrier_Small_Side_V01.png

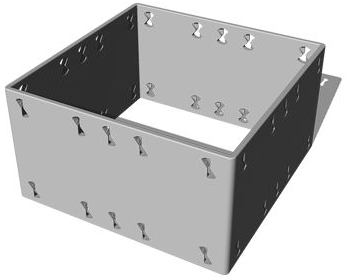
L_Boxi_extender_LVL01.png



L_Boxi_extender_LVL02.png

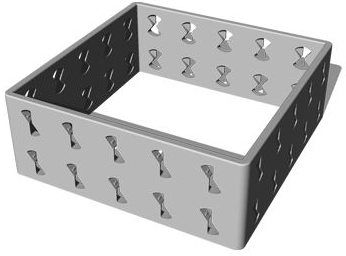


L_Boxi_extender_LVL03.png

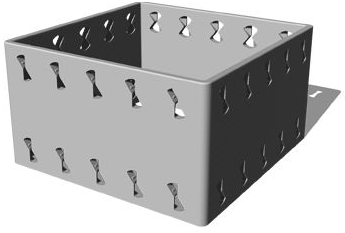


L_Boxi_extender_LVL04.png

M_Boxi_extender_LVL01.png



M_Boxi_extender_LVL02.png



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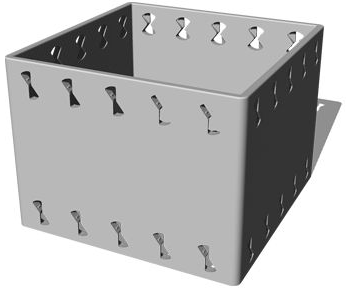
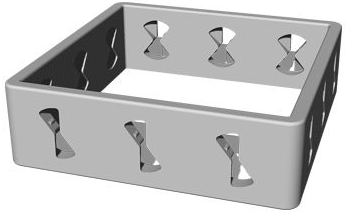
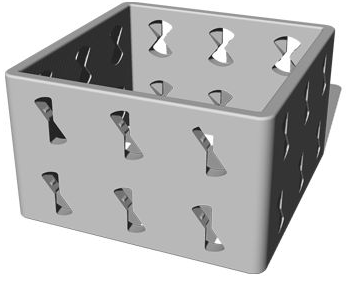


M_Boxi_extender_LVL04.png

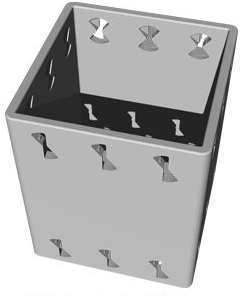


S_Boxi_extender_LVL01.png

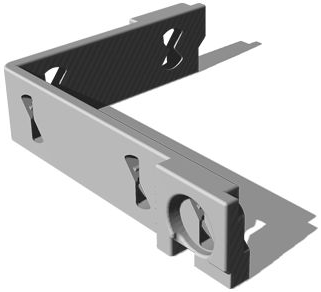


S_Boxi_extender_LVL02.png

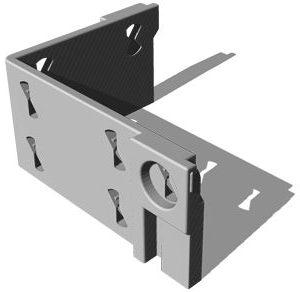
S_Boxi_extender_LVL03.png



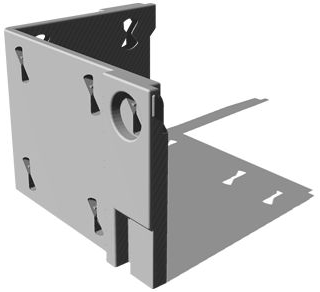
S_Boxi_extender_LVL04.png



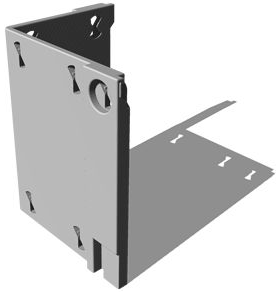
L_CompBoxi_1-4_Extender_L01.png



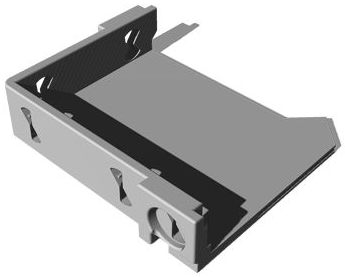
L_CompBoxi_1-4_Extender_L02.png



L_CompBoxi_1-4_Extender_L03.png



L_CompBoxi_1-4_Extender_L05.png



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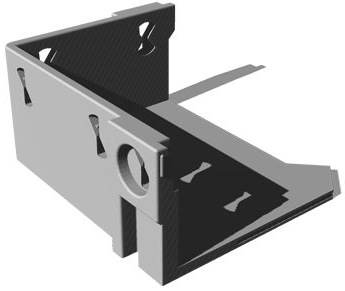

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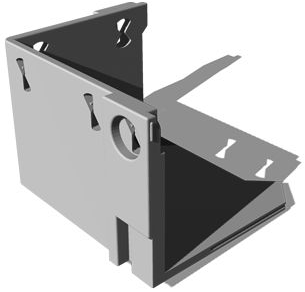

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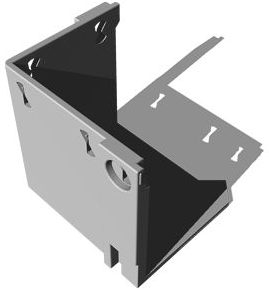
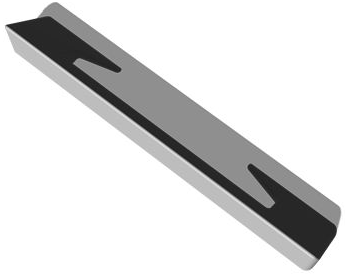
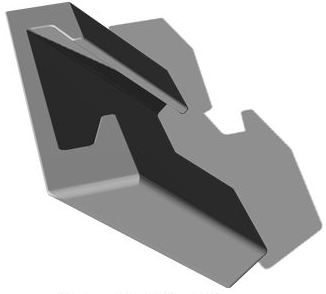


L_CompBoxi_1-4_L04.png

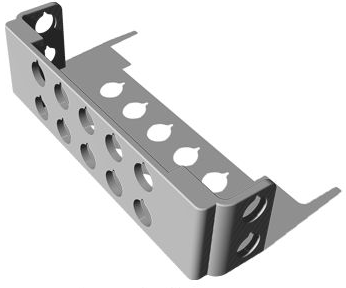
L_CompBoxi_1-4_L05.png



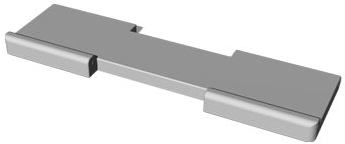
L_CompBoxi_Clip_01.png



L_CompBoxi_Clip_02Plus.png

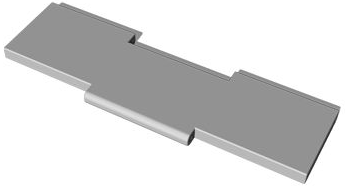


L_connector_For_comp.png

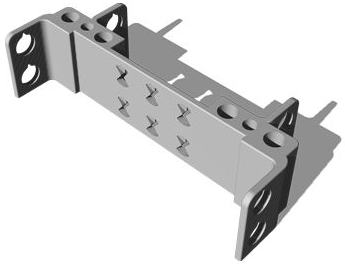


L_lid_comp_Back.png

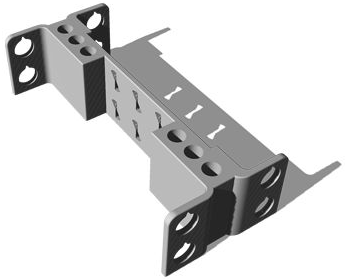
L_lid_comp_front.png



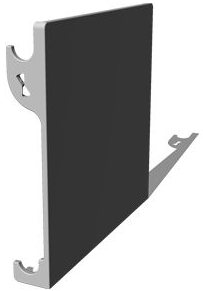
L_lid_comp_Mid.png



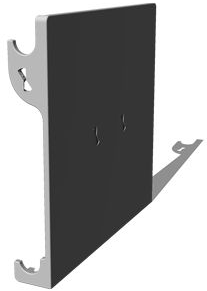
L_M_connector_For_comp.png



L2L_handle_connector_For_Comp.png



Latch_lid_no_handle.png

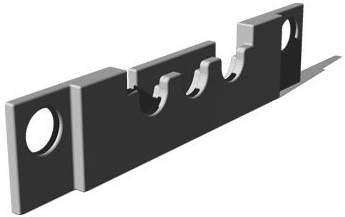


Latch_lid_with_handle.png

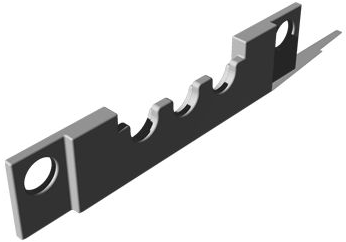
3x3_WallMountSandup.png

3x4_WallMountStandUP.png

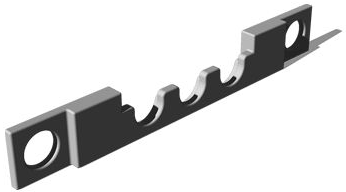
7x4_WallMountStandUP.png



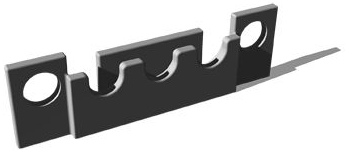
L_side_mount_for_CAGE.png



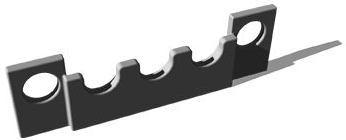
L_side_mount_LVL01.5.png



L_side_mount_LVL01.png



M_side_mount_for_CAGE.png

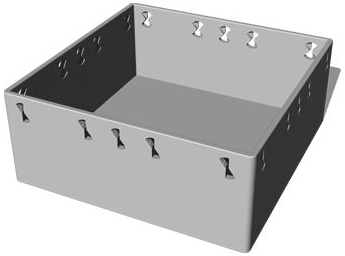


m_Side_mount_LVL01.5.png

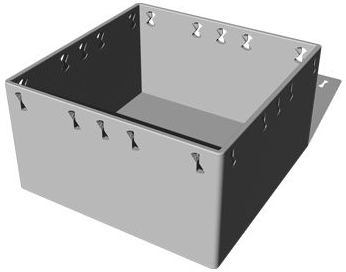
m_Side_mount_LVL01.png

L_Boxi_LVL01.png

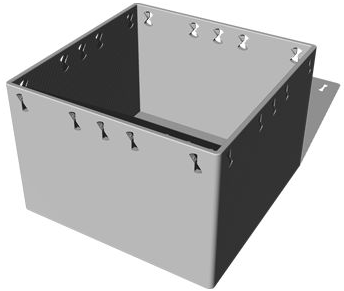
L_Boxi_LVL02.png



L_Boxi_LVL03.png



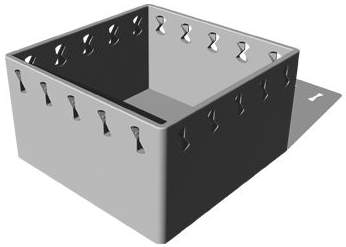
L_Boxi_LVL04.png



L_Boxi_LVL05.png

M_Boxi_LVL01.png

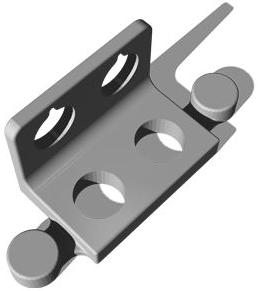
M_Boxi_LVL02.png



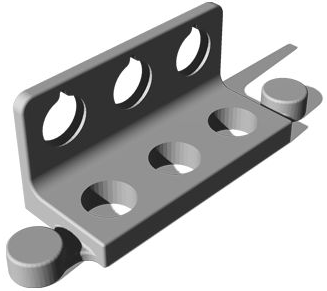
M_Boxi_LVL03.png

S_Boxi_LVL01.png

S_Boxi_LVL02.png



Cage_LVL02.png



Cage_LVL03.png

Cage_LVL04.png

Cage_LVL05.png

Cage_LVL06.png

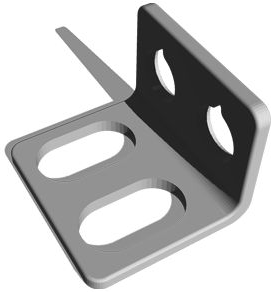
Cage_LVL07.png

Cage_LVL08.png

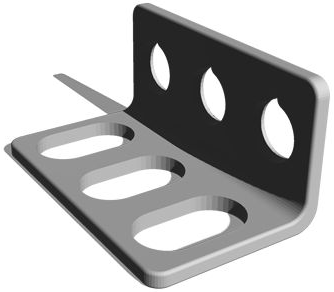
Cage_LVL09.png

Cage_LVL10.png

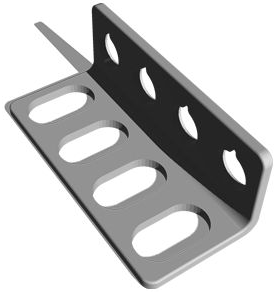
Corner_connector_Kickstand_1.png



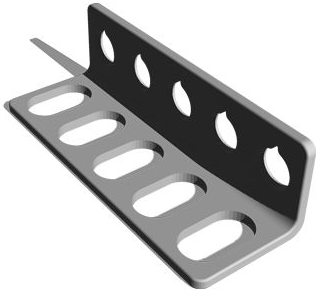
Corner_connector_Kickstand_2.png



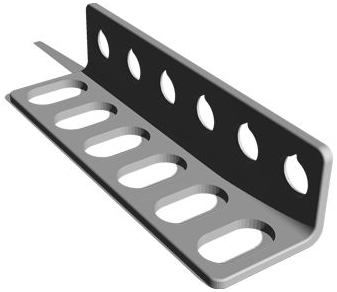
Corner_connector_Kickstand_3.png



Corner_connector_Kickstand_4.png

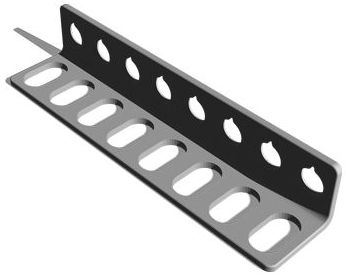


Corner_connector_Kickstand_5.png



Corner_connector_Kickstand_6.png

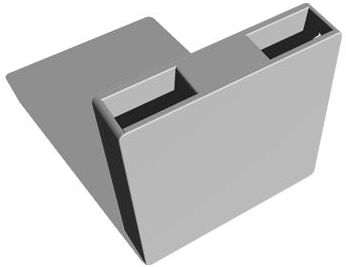
Corner_connector_Kickstand_7.png



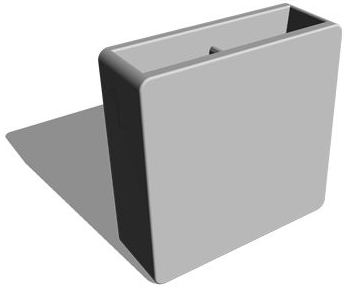
Corner_connector_Kickstand_8.png

Corner_connector_Kickstand_9.png

Corner_connector_Kickstand_10.png

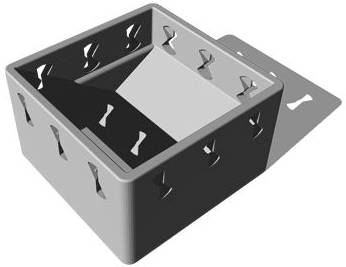


M_Dice_roller_tops.png



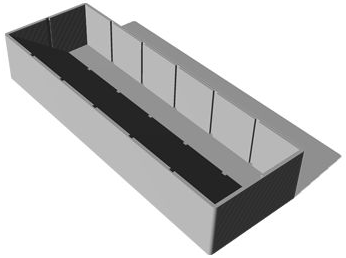
S_Dice_roller_tops.png

diceTower_btm.png

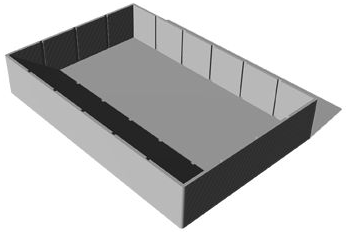


diceTower_Mid.png

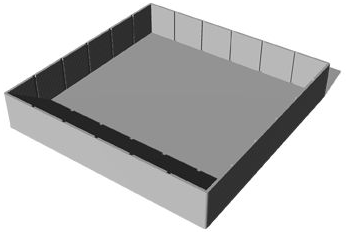
diceTower_Top.png



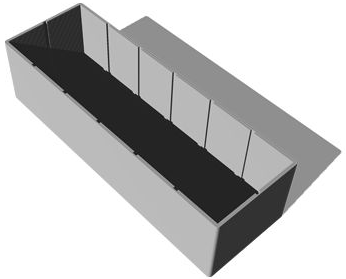
L_Tray_01.5Lyrs_1.png



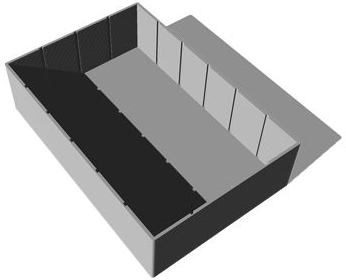
L_Tray_01.5Lyrs_2.png



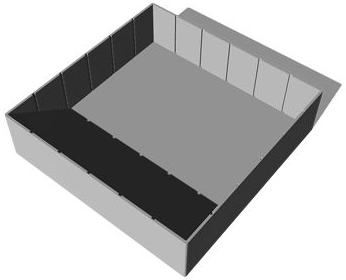
L_Tray_01.5Lyrs_3.png



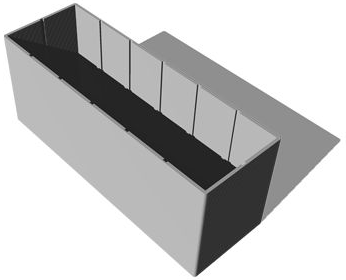
L_Tray_02Lyrs_1.png



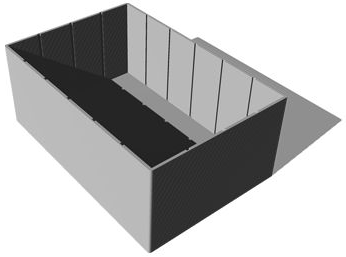
L_Tray_02Lyrs_2.png



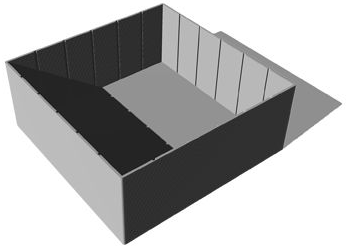
L_Tray_02Lyrs_3.png



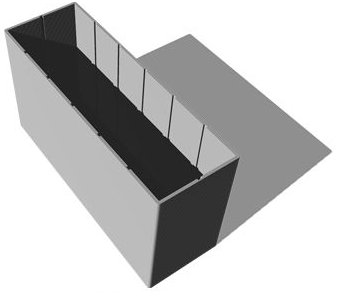
L_Tray_03Lyrs_1.png



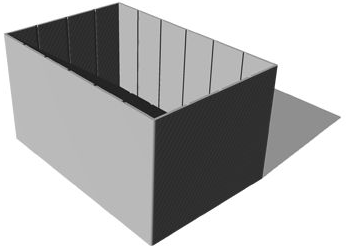
L_Tray_03Lyrs_2.png



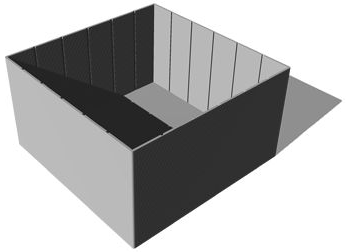
L_Tray_03Lyrs_3.png



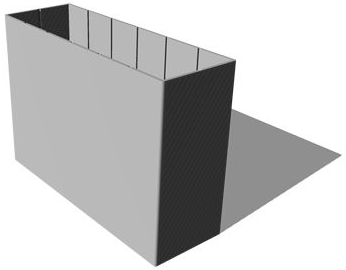
L_Tray_04Lyrs_1.png



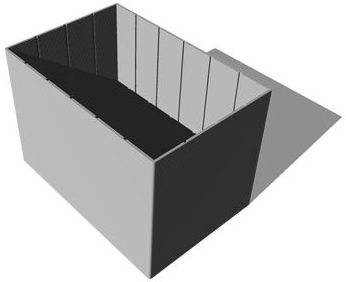
L_Tray_04Lyrs_2.png



L_Tray_04Lyrs_3.png



L_Tray_05Lyrs_1.png



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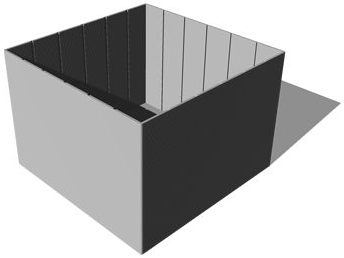

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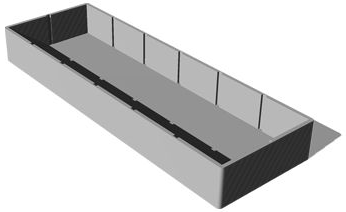

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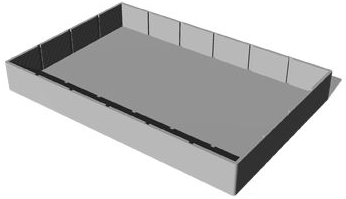
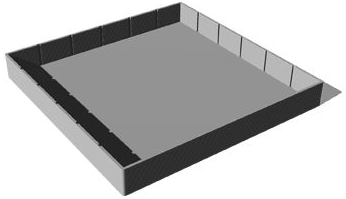
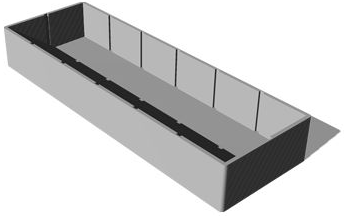


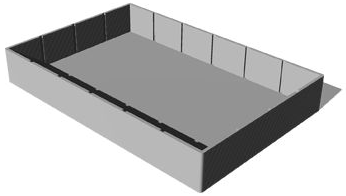
L_Tray_Lyr01_2.png



L_Tray_Lyr01_3.png



L_Tray_Lyr02_1.png



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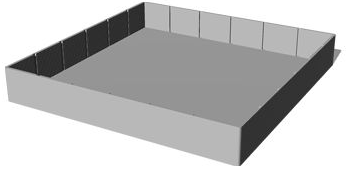
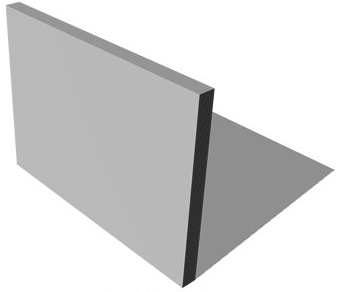
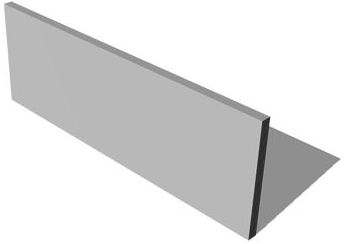


L_Tray_Lyr02_3.png



L_wall_Lyr01_1.png



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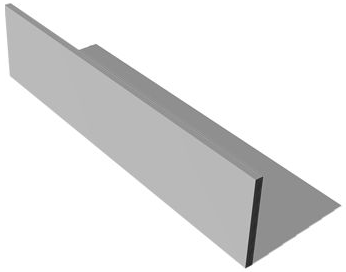

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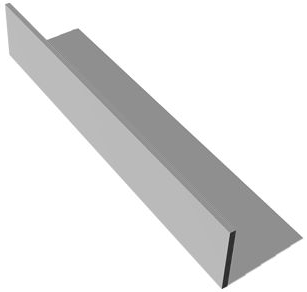

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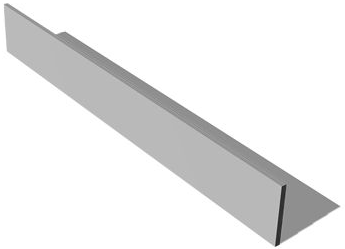

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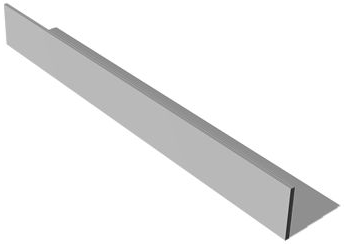

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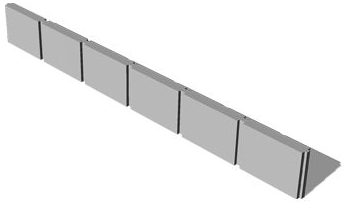

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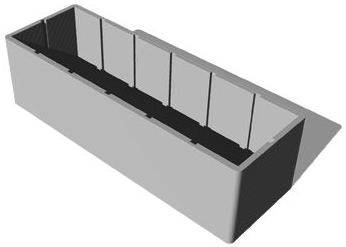

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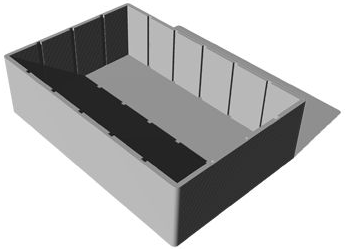

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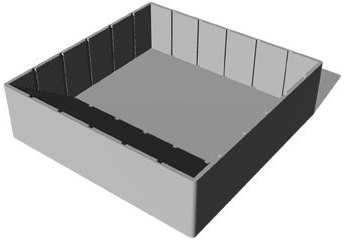

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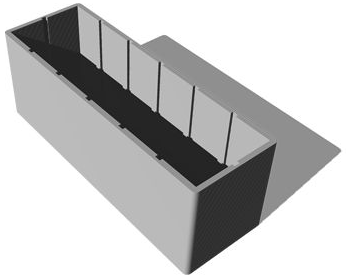

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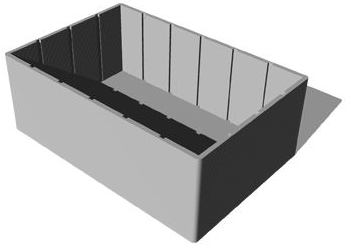

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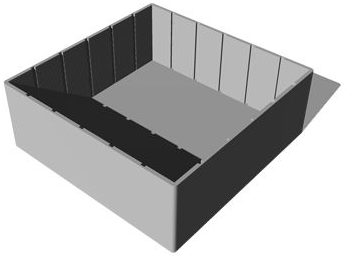

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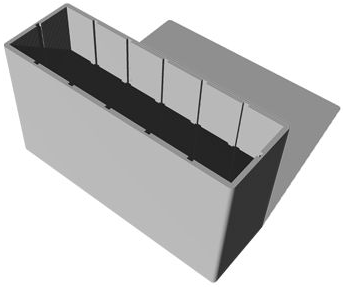

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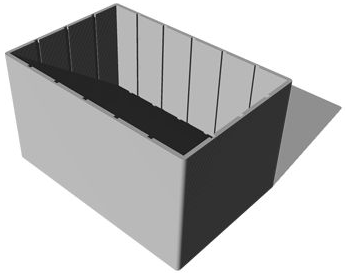

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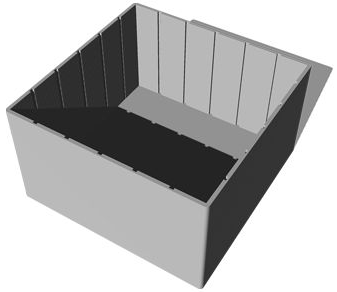

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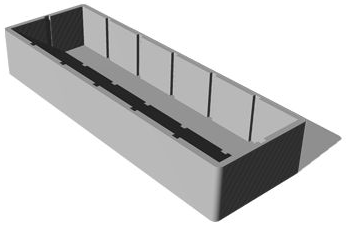

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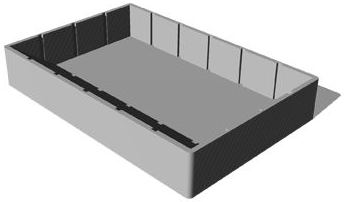

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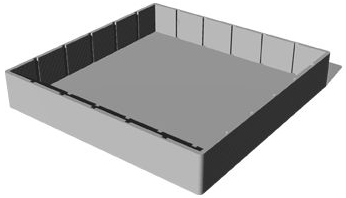

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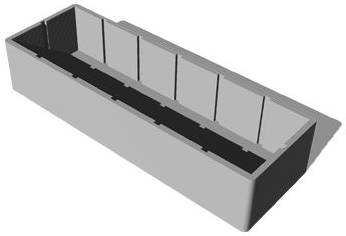

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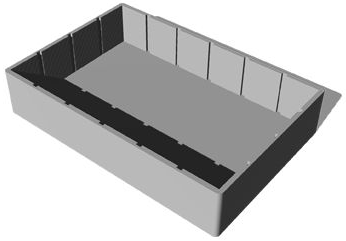

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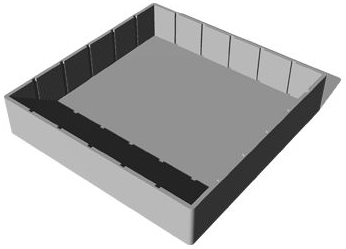

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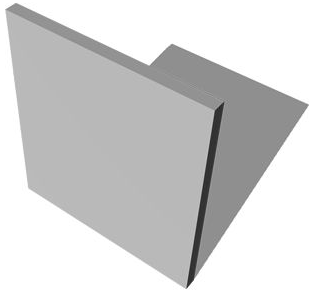

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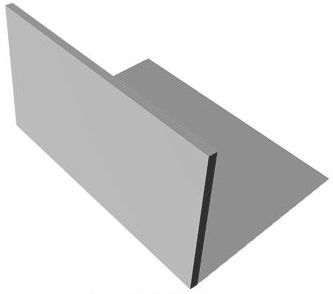

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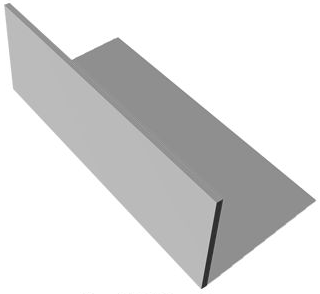

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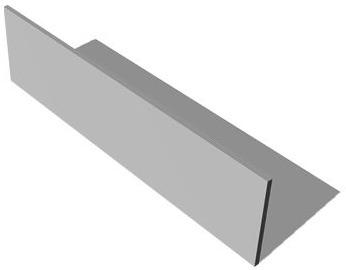

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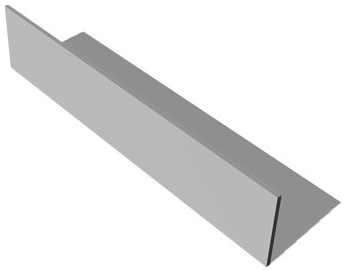

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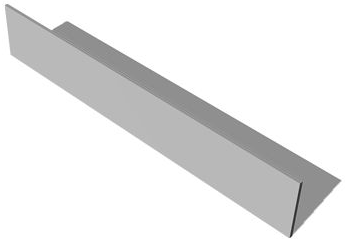

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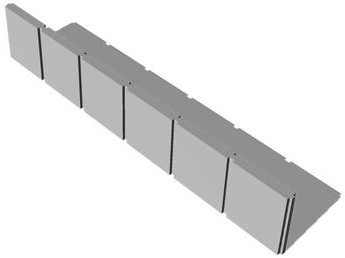

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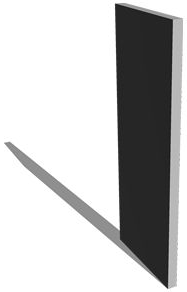

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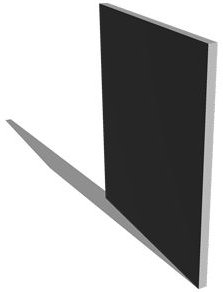

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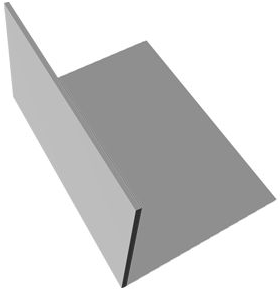

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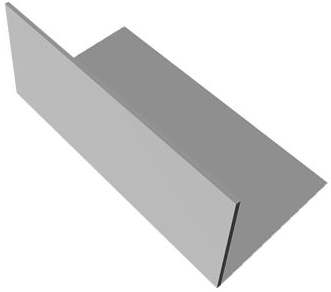

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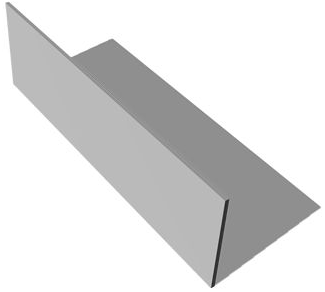

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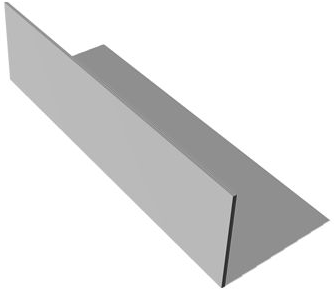

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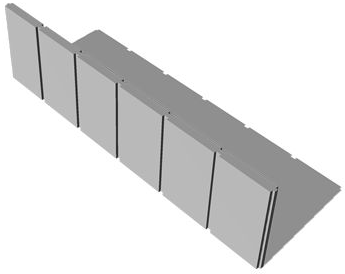

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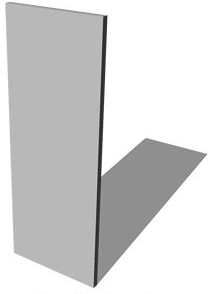

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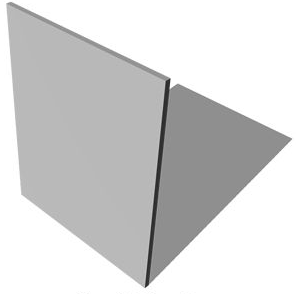

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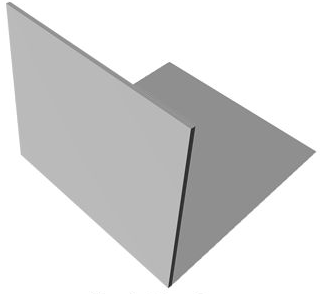

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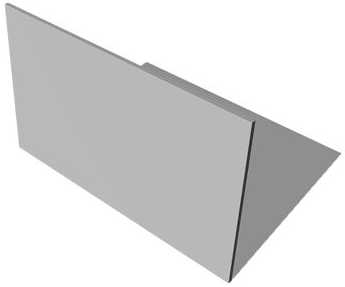

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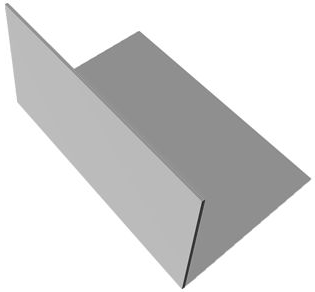

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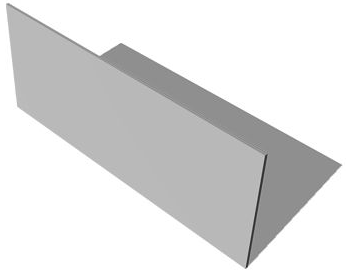

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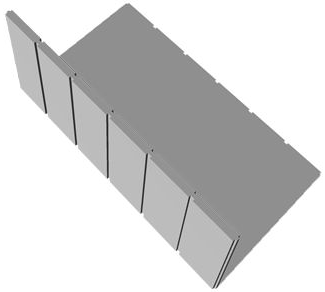

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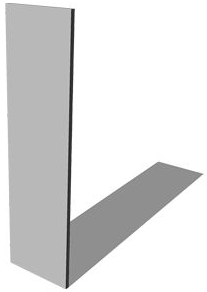

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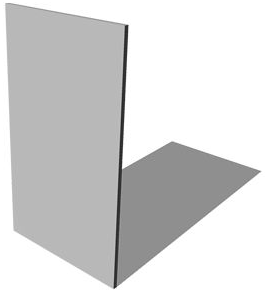

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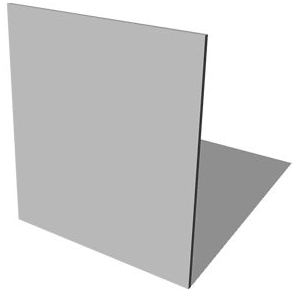

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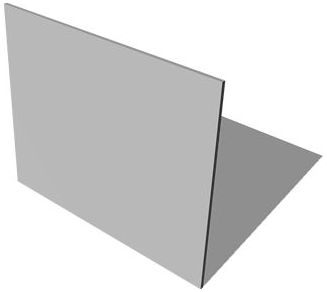

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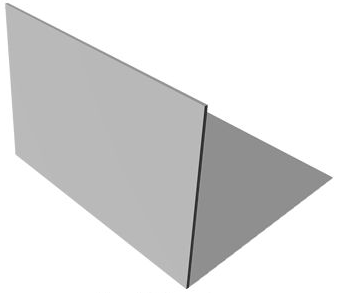

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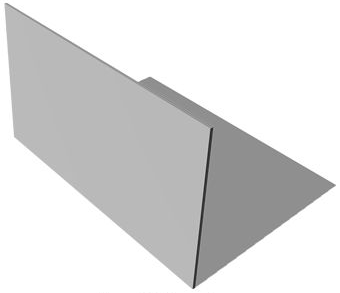

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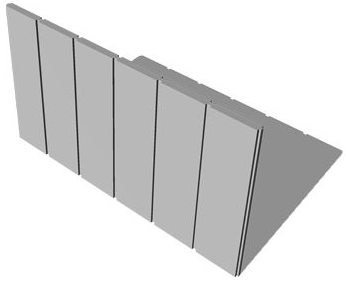

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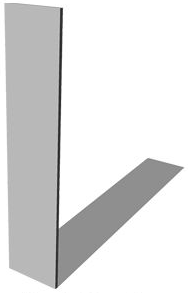

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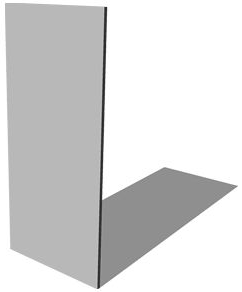
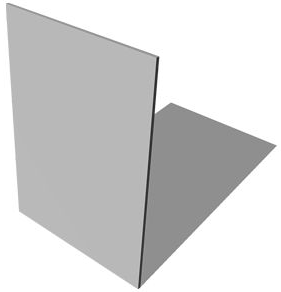


M_wall_05Lyrs_2.png



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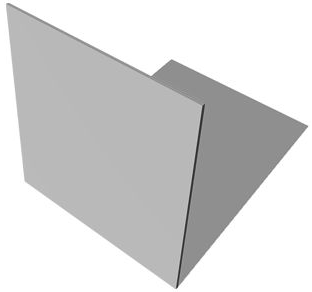

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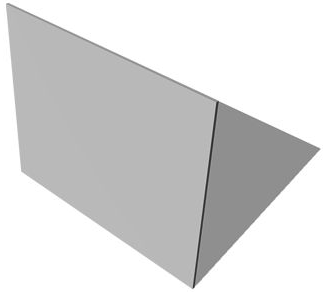

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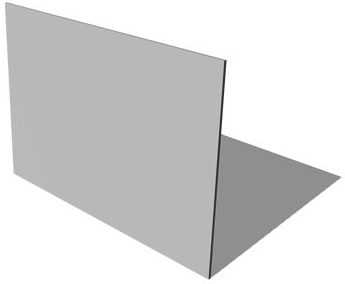

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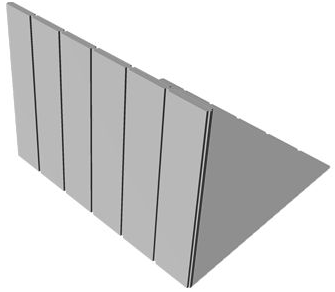

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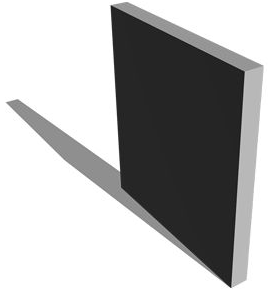
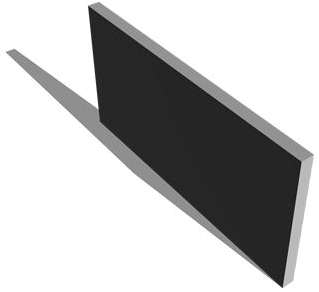


M_wall_Lyr01_1.png



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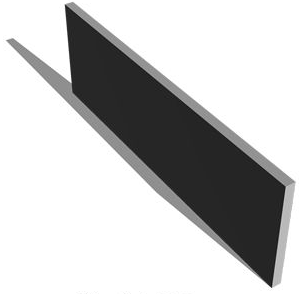

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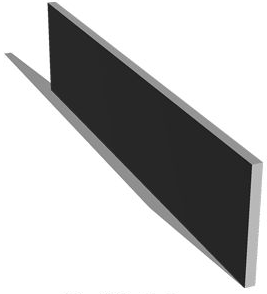

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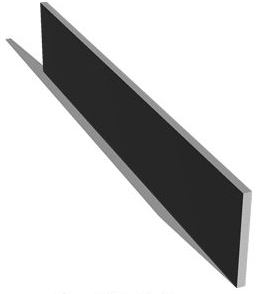

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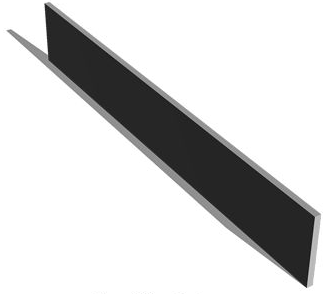

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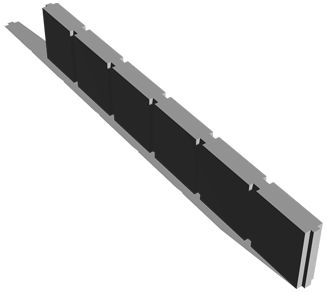

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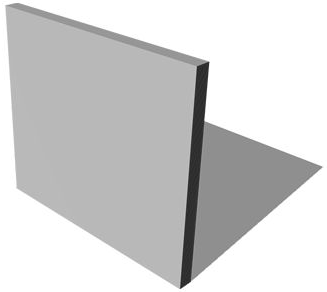
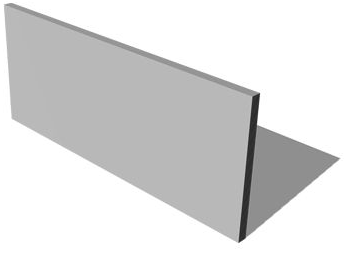


M_wall_Lyr02_1.png



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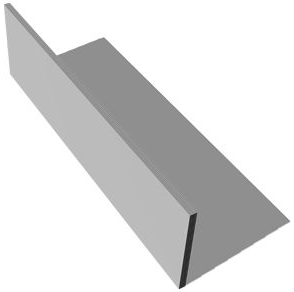

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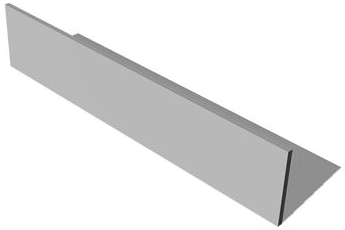

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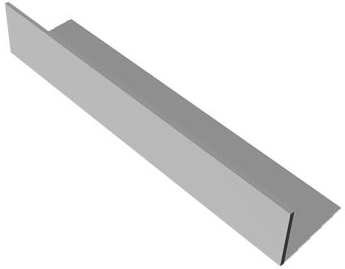

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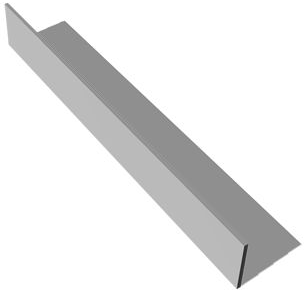

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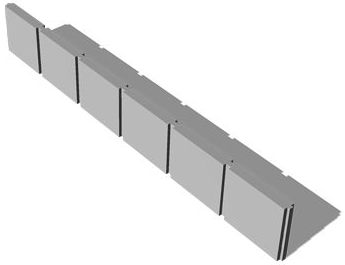

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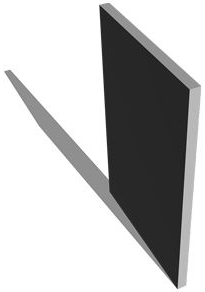
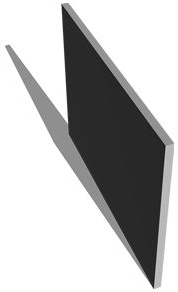
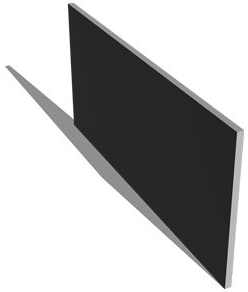


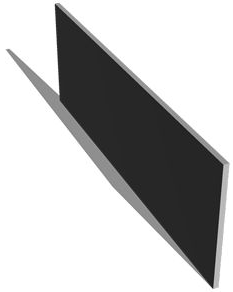
L_LVL02_1_walls.png



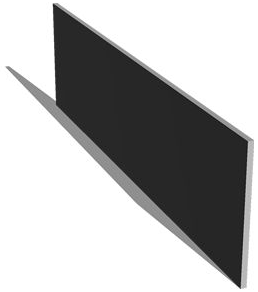
L_LVL02_2_walls.png



L_LVL02_3_walls.png



L_LVL02_4_walls.png



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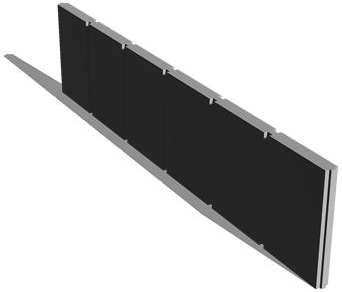
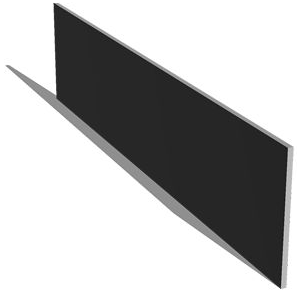


L_LVL02_6_walls_ribs.png



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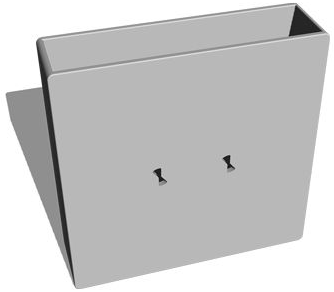
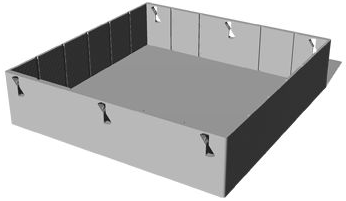
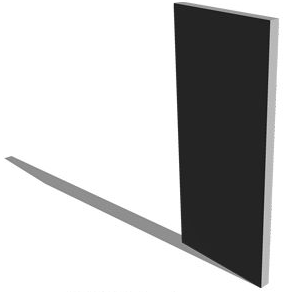


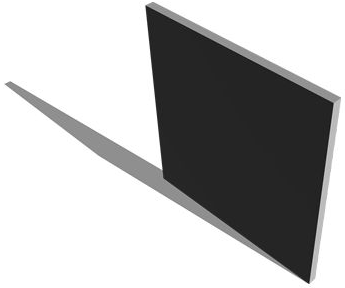
L_LVL02_Drawer_Boxi_V2.png



L_LVL02_Drawer_insert_Boxi_V2.png



M_LVL02_1_walls.png



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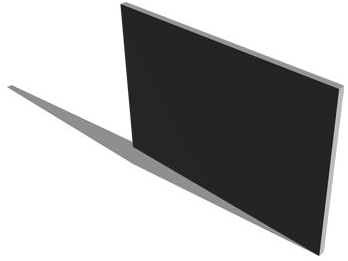

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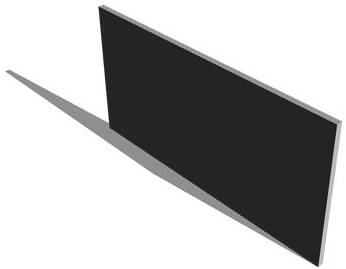
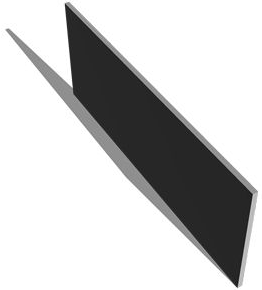
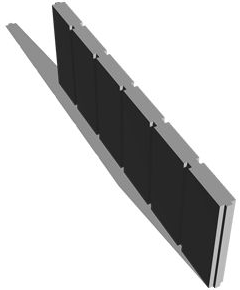


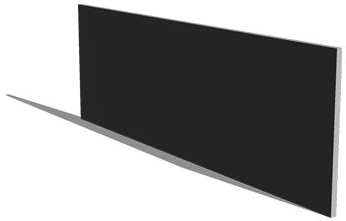
M_LVL02_4_walls.png



M_LVL02_5_walls.png



M_LVL02_6_walls_ribs.png



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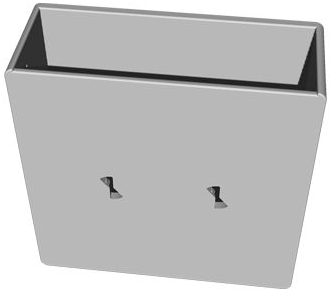
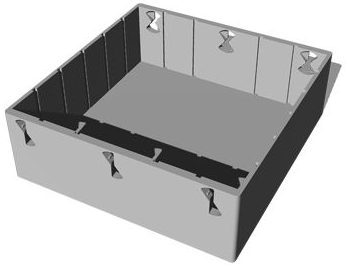
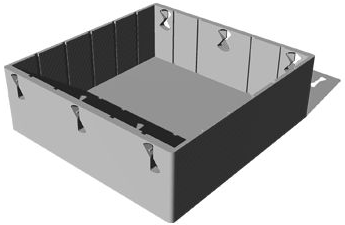


M_LVL02_Drawer_Boxi_V2.png



M_LVL02_Drawer_insert_Boxi_V2.png



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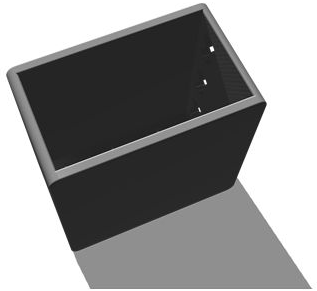
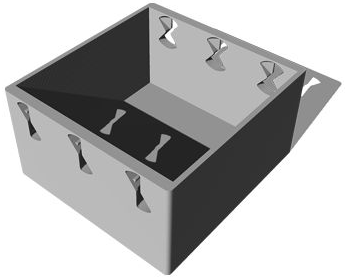


S_LVL02_Drawer_Boxi_V2.png



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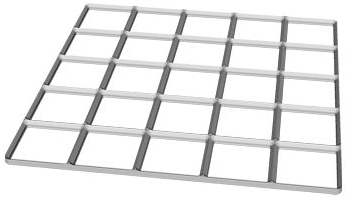
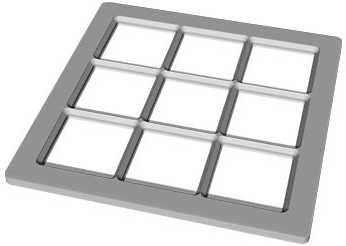


L_25_Gridfinity_Base.png



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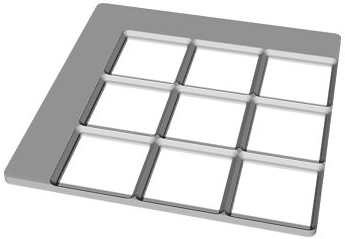
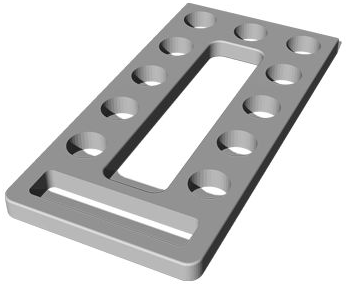
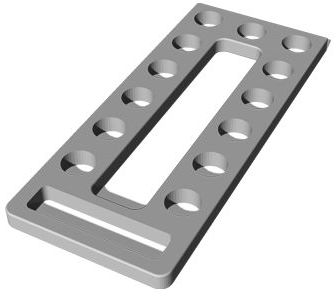


m_9_side.png

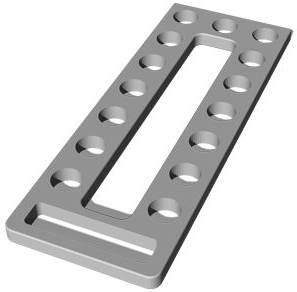
sm_4.png



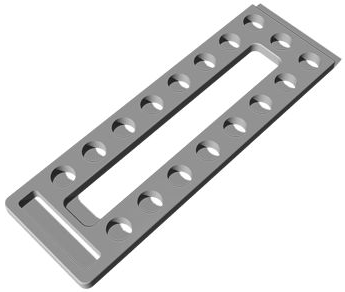
Handle_2x_5_.png



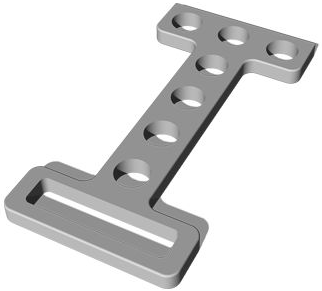
Handle_2x_6_.png



Handle_2x_7_.png

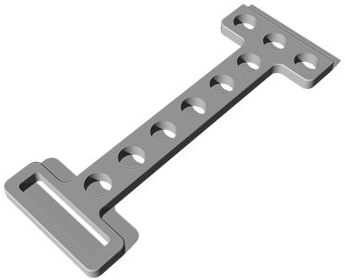


Handle_2x_8_.png

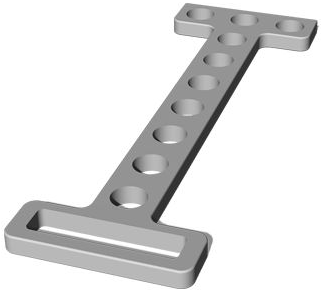


Handle_5.png

Handle_6.png

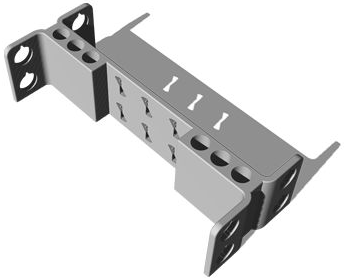


Handle_7.png

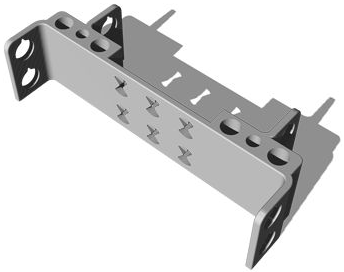


Handle_8.png

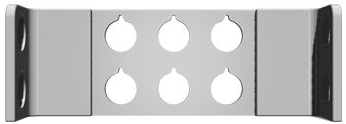
L_connector.png



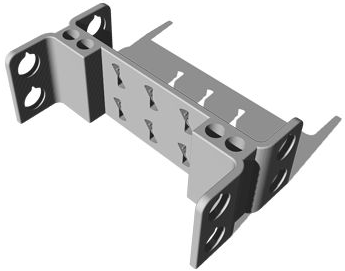
L2L_handle_connector.png



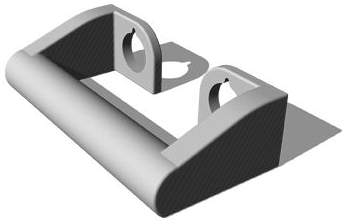
L2M__handle_connector.png



M_connector.png



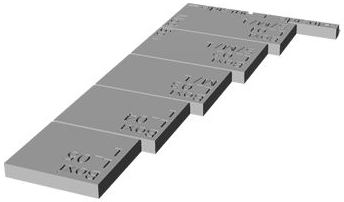
M2M_handle_connector.png



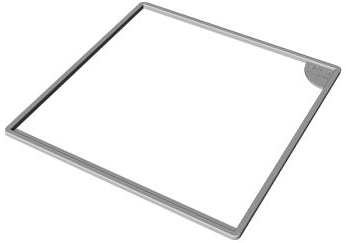
Side_Handle.png

Boxi_Carrier_A.png

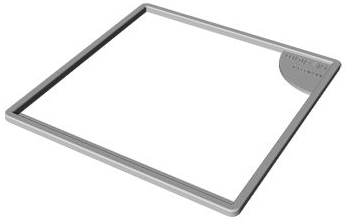
Boxi_Carrier_B.png



L_M_S_boxi_height_gauge.png

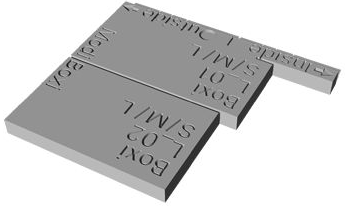


Large_boxi_width_gauge_V2.png



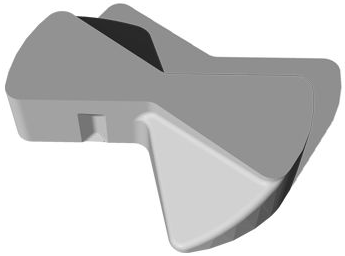
medium_boxi_width_gaugeV2.png

Medium_Small_boxi_height_gauge.png

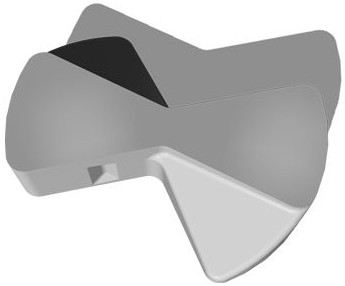


Small_boxi_height_gauge.png

small_boxi_width_gaugeV2.png



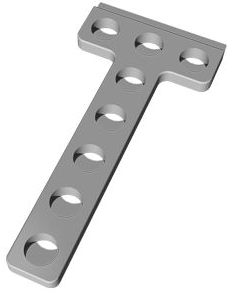
holeplug_0.8.png



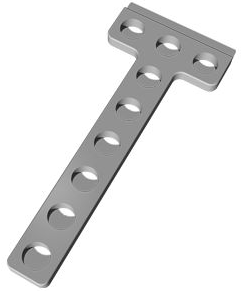
holeplug_01.png

KickStand_4.png

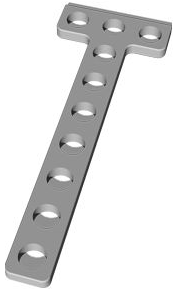
KickStand_5.png



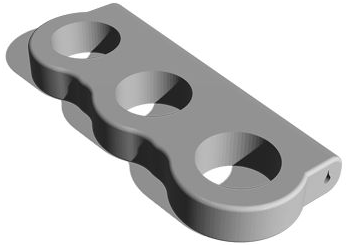
KickStand_6.png



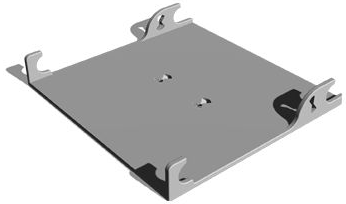
KickStand_7.png



KickStand_8.png

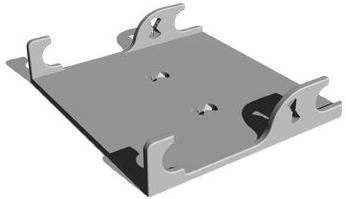


hinge_for_lids.png

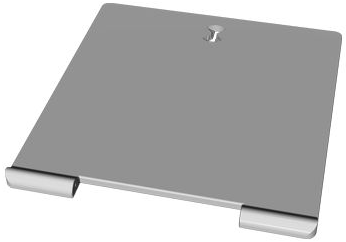


L_Latch_Lid_with_handle_support.png

L_lid.png



M_Latch_Lid_with_handle_support.png



M_lid.png

corner_Hook.png

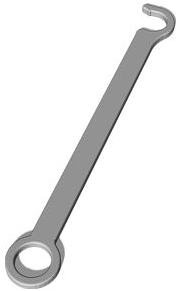
lockHooks_LVL01.png

lockHooks_LVL02.png

lockHooks_LVL03.png

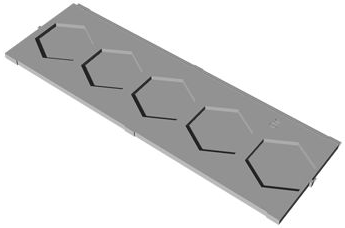
lockHooks_LVL04.png

lockHooks_LVL05.png

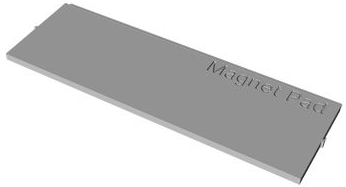


lockHooks_LVL06.png

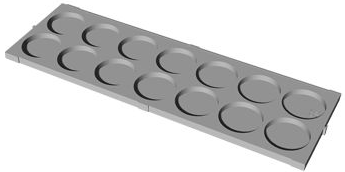
L_1_hex_35.png



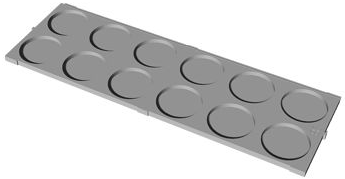
L_1_hex_38.png



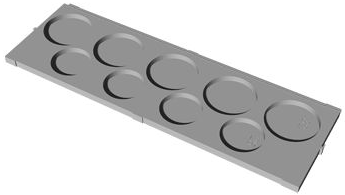
L_1_Magnet_Pad.png



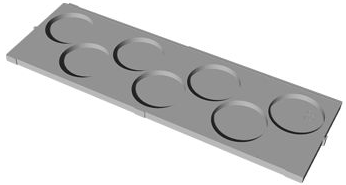
L_1_MiniHolder_25.png



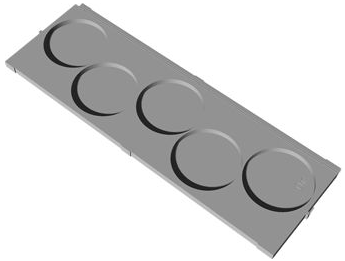
L_1_MiniHolder_28.png



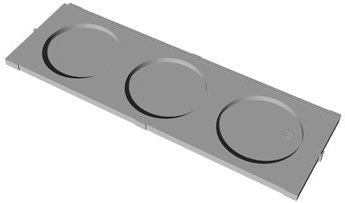
L_1_MiniHolder_32_25.png



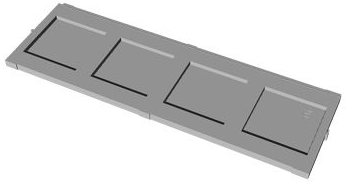
L_1_MiniHolder_32.png



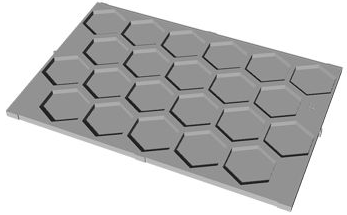
L_1_MiniHolder_40.png



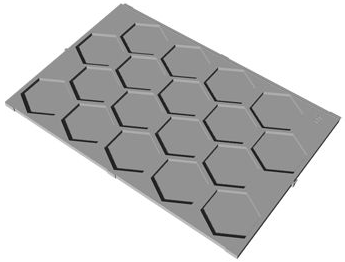
L_1_MiniHolder_50.png



L_1_SQU_40.png



L_2_hex_35.png



L_2_hex_38.png

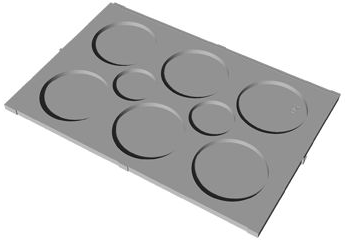
L_2_Magnet_Pad.png

L_2_MiniHolder_25.png

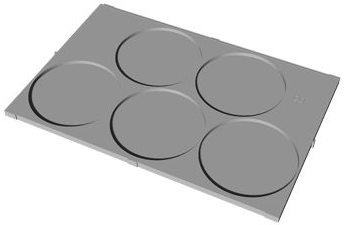
L_2_MiniHolder_28.png

L_2_MiniHolder_32.png

L_2_MiniHolder_40.png



L_2_MiniHolder_50.png



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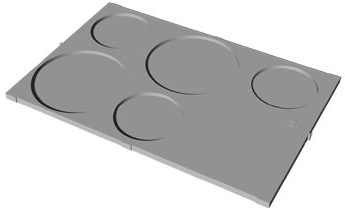
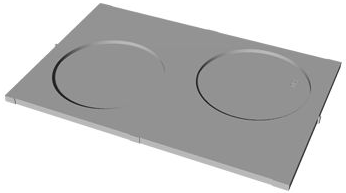
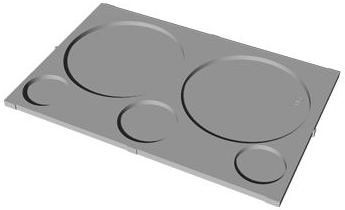


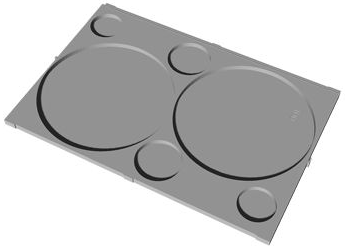
L_2_MiniHolder_70.png



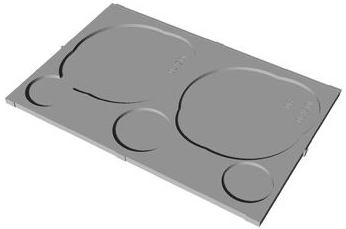
L_2_MiniHolder_80.png



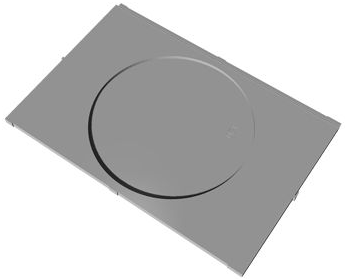
L_2_MiniHolder_90.png



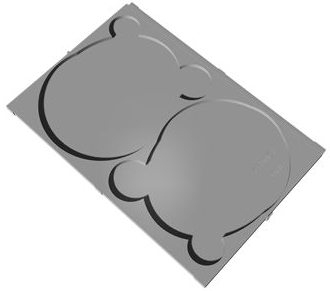
L_2_MiniHolder_100.png



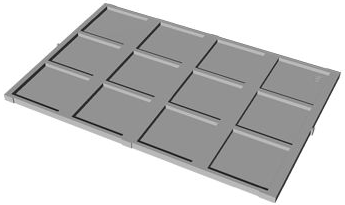
L_2_MiniHolder_105x70_90.png



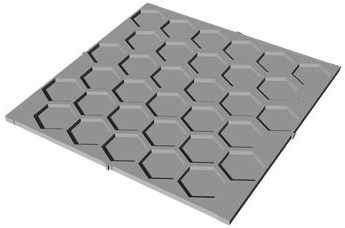
L_2_MiniHolder_120.png



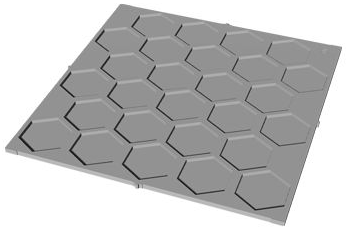
L_2_MiniHolder_120x92_100.png



L_2_SQU_40.png



L_3_hex_35.png

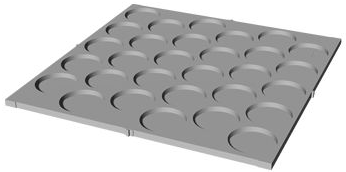


L_3_hex_38.png

L_3_Magnet_Pad.png

L_3_MiniHolder_25.png

L_3_MiniHolder_28.png

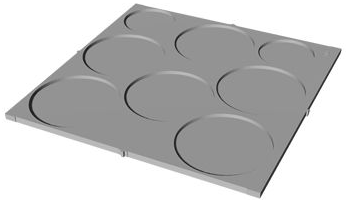


L_3_MiniHolder_32.png

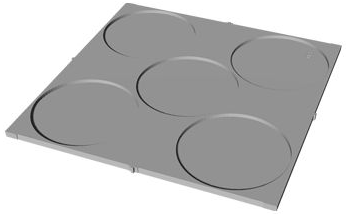
L_3_MiniHolder_40.png

L_3_MiniHolder_50.png

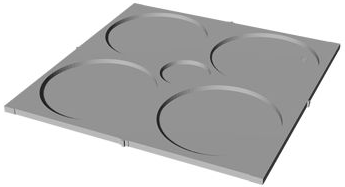
L_3_MiniHolder_65.png



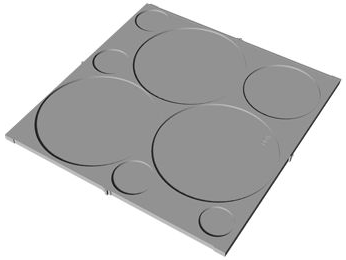
L_3_MiniHolder_70.png



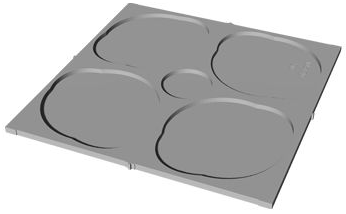
L_3_MiniHolder_80.png



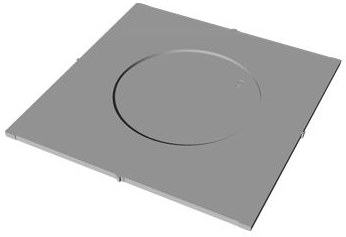
L_3_MiniHolder_90.png



L_3_MiniHolder_100.png

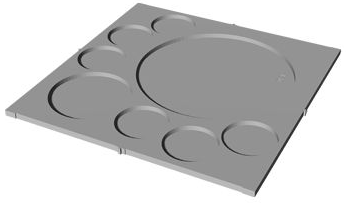


L_3_MiniHolder_105x70_90.png

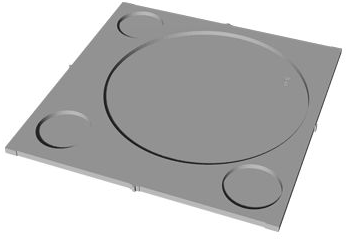


L_3_MiniHolder_120.png

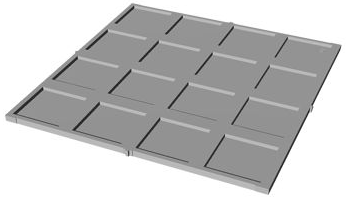
L_3_MiniHolder_120x92_100.png



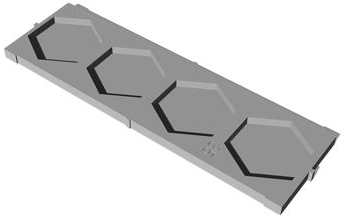
L_3_MiniHolder_130.png



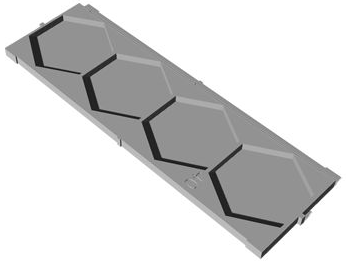
L_3_MiniHolder_160.png



L_3_SQU_40.png



M_1_hex_35.png



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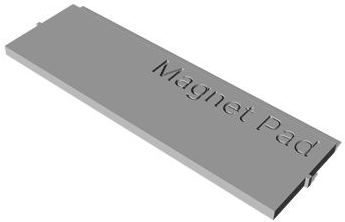
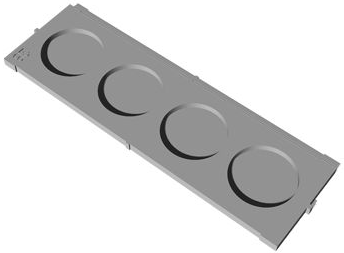
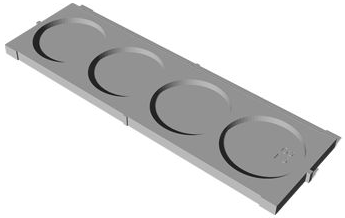


M_1_Magnet_Pad.png

M_1_MiniHolder_25.png



M_1_MiniHolder_28.png



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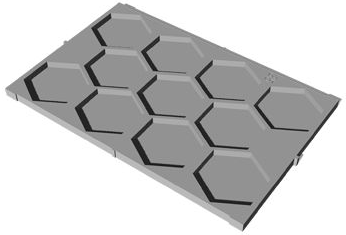
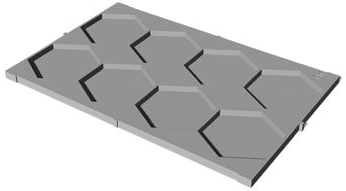


M_2_hex_35.png



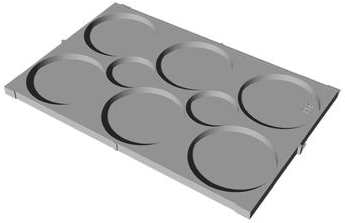
M_2_hex_40.png

M_2_Magnet_Pad.png

M_2_MiniHolder_25.png

M_2_MiniHolder_28.png

M_2_MiniHolder_32.png



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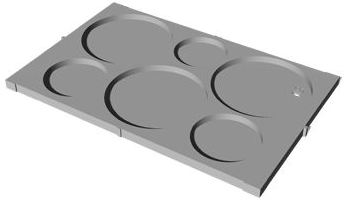
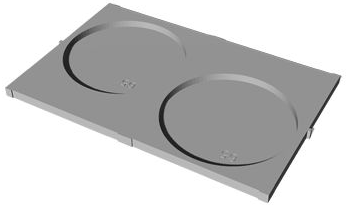


M_2_MiniHolder_50.png



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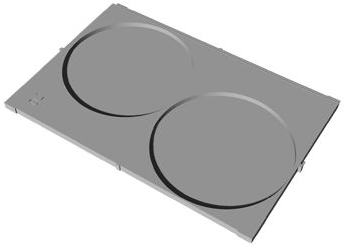

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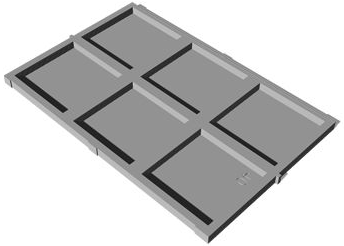

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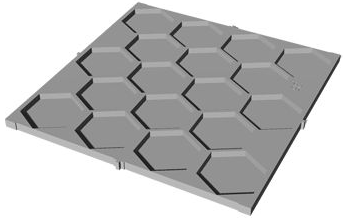
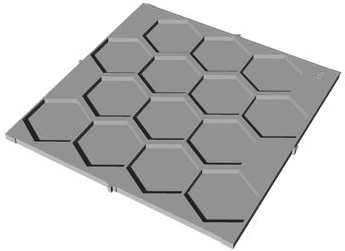


M_3_hex_35.png



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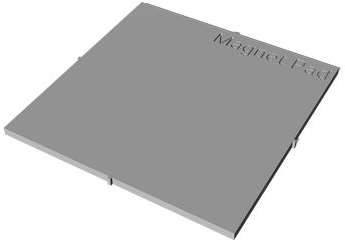


M_3_Magnet_Pad.png

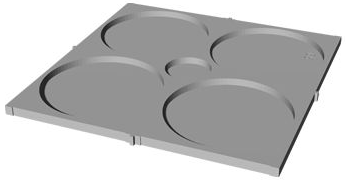
M_3_MiniHolder_25.png

M_3_MiniHolder_28.png

M_3_MiniHolder_32.png

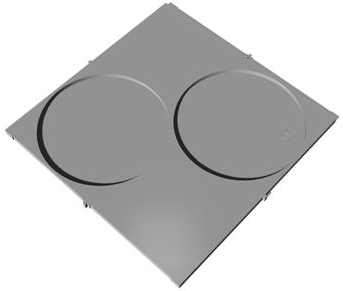
M_3_MiniHolder_40.png

M_3_MiniHolder_50.png



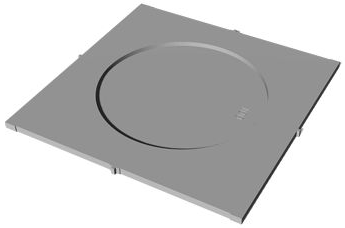
M_3_MiniHolder_65.png

M_3_MiniHolder_70.png



M_3_MiniHolder_80.png

M_3_MiniHolder_90.png



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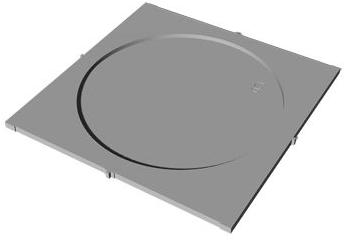
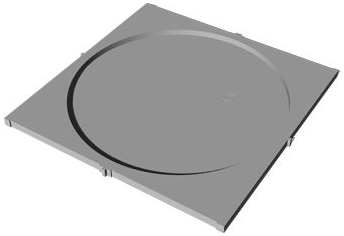
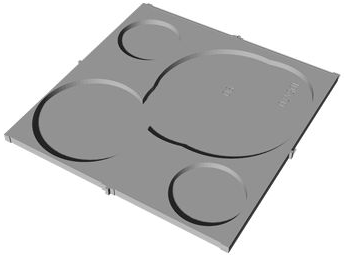


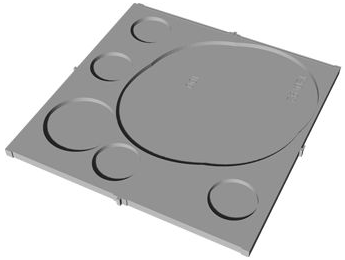
M_3_MiniHolder_120.png



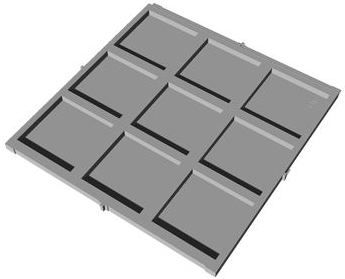
M_3_MiniHolder_130.png



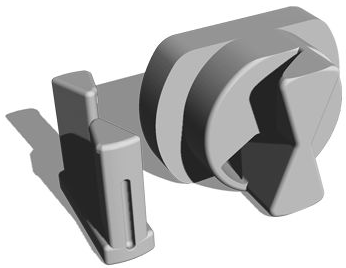
M_3_MiniHolder_0v_105x70.png



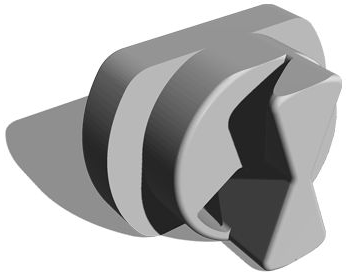
M_3_MiniHolder_0v_120x92.png



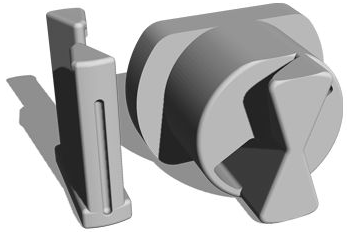
M_3_SQU_40.png



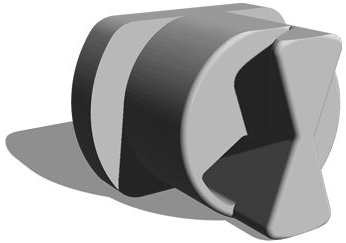
Bolt_1_and_lock.png



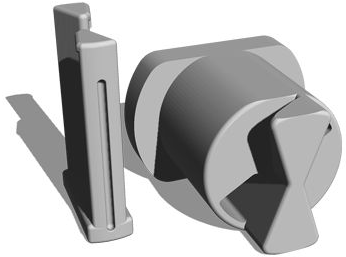
Bolt_1_ES.png



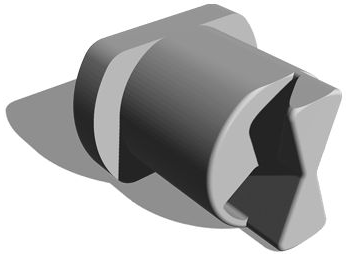
Bolt_2_and_lock.png



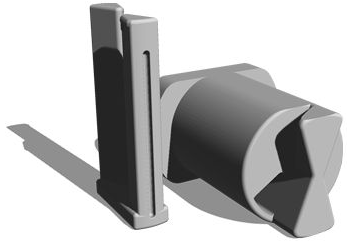
Bolt_2_ES.png



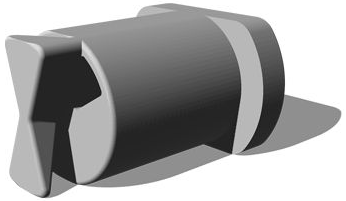
Bolt_3_and_lock.png



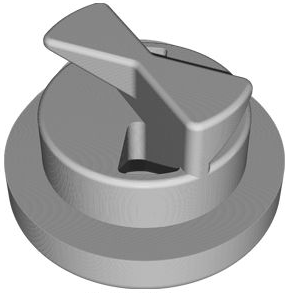
Bolt_3_ES.png



Bolt_4_and_lock.png

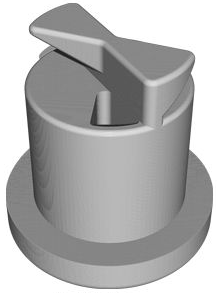


Bolt_4_ES.png

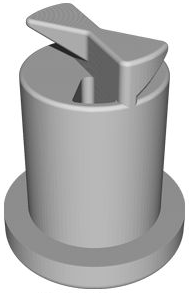


Modi_Bolt_1.png

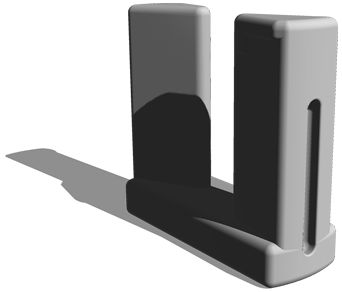
Modi_Bolt_2.png



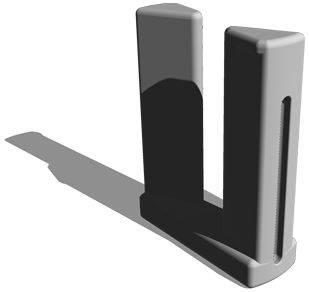
Modi_Bolt_3.png



Modi_Bolt_4.png

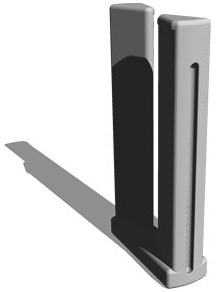


Modi_lock_1.png



Modi_lock_2.png

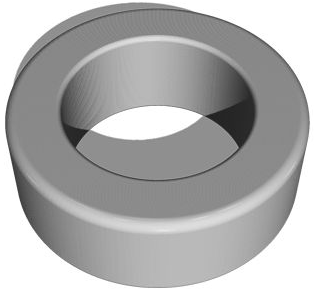
Modi_lock_3.png



Modi_lock_4.png

Modi_Nut.png

spacer_1.png



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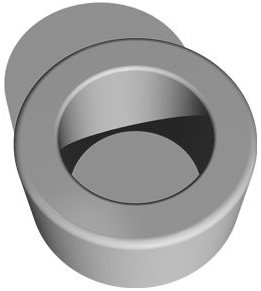
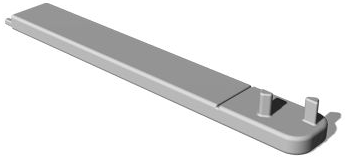


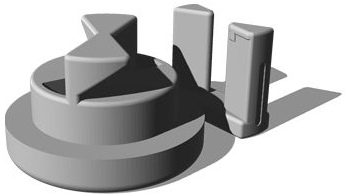
spacer_3.png



Modi_bolt_tool.png

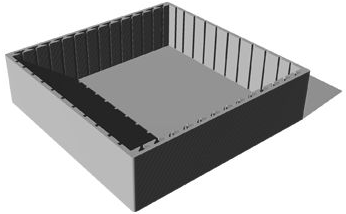
Modi_counter_house_for.png

Modi_counter_number_dial.png

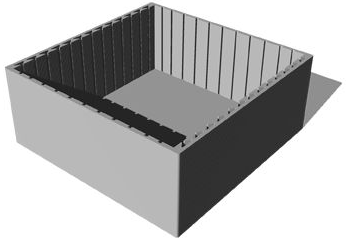


ModiBolt_01.png

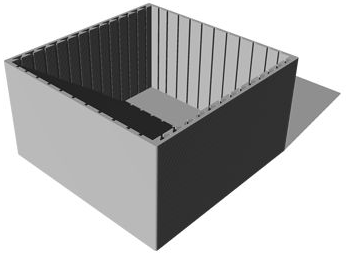
Starter_File_Modi_counter.png



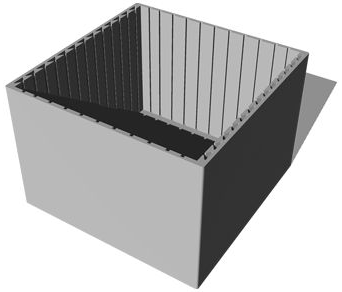
L_rail_box_02Lyrs.png



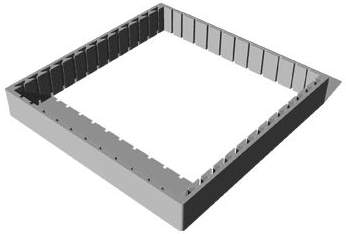
L_rail_box_03Lyrs.png



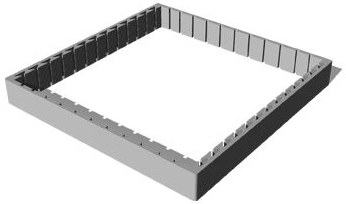
L_rail_box_04Lyrs.png



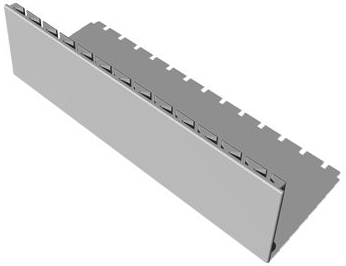
L_rail_box_05Lyrs.png



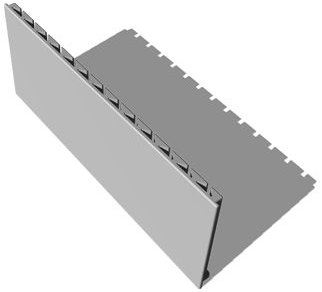
L_rail_box_extender_Lyr02.png



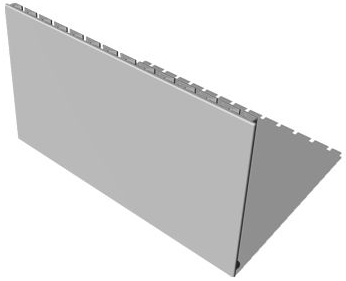
L_rail_box_Lyr01.png



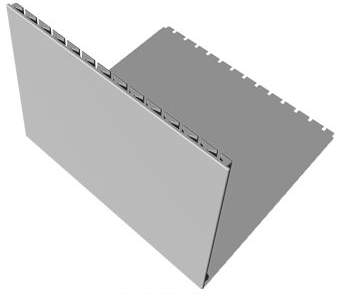
L_rail_shelf_02Lyrs.png



L_rail_shelf_03Lyrs.png



L_rail_shelf_04Lyrs.png



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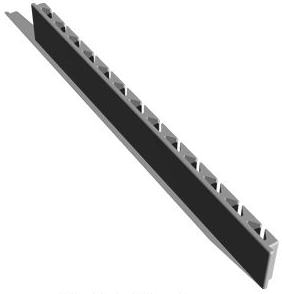

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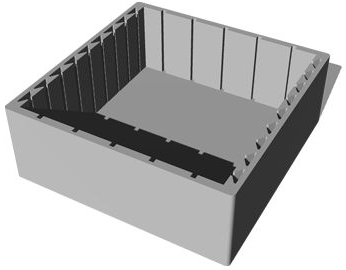
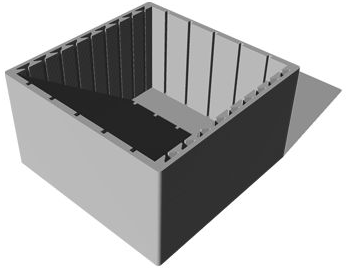


M_rail_box_02Lyrs.png



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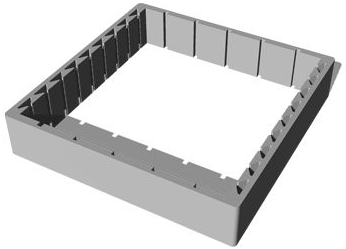

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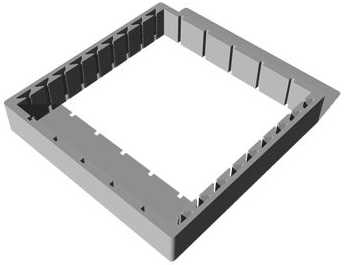

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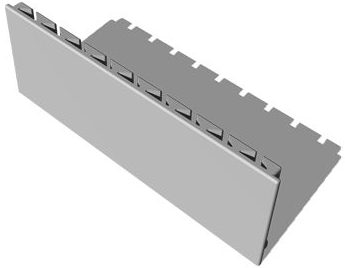

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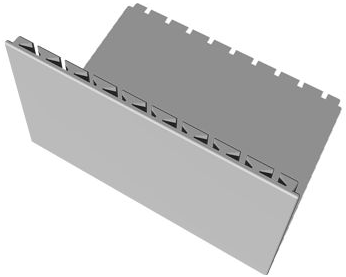

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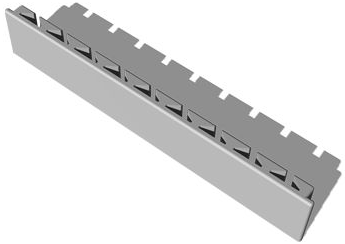


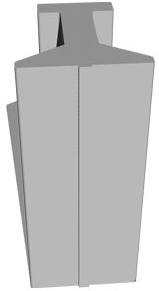
M_rail_shelf_Lyr01.png

Nut_rail_00.png

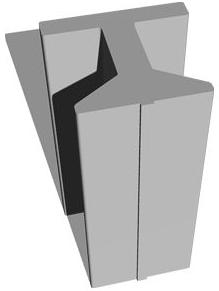
Nut_rail_01.png

Nut_rail_02.png

Nut_rail_03.png



RHD_5_post_2_Top_Lyr01.png



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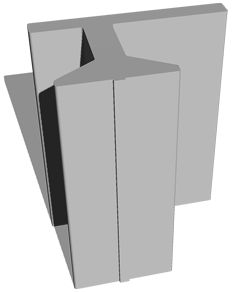

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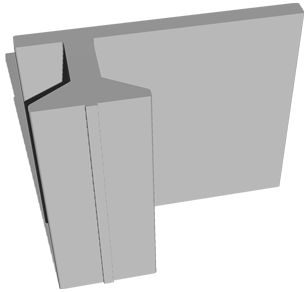

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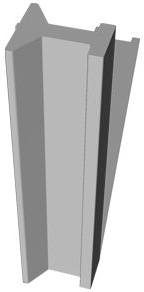
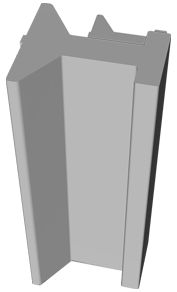
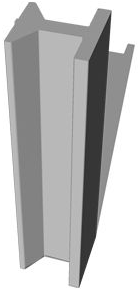


RHD_5mm_post_2_Top_back.png



RHD_5mm_post_2_Top_Front.png



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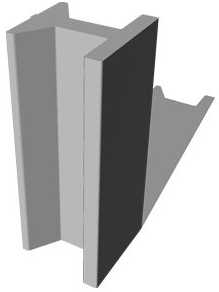

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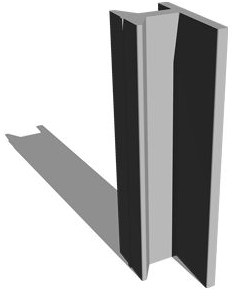

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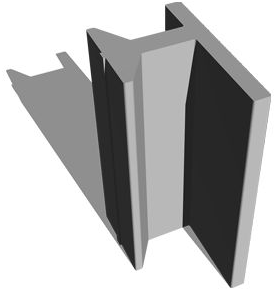

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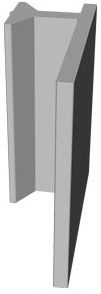

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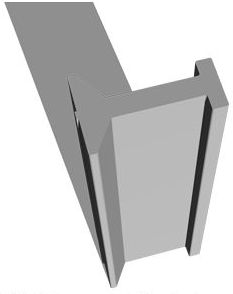

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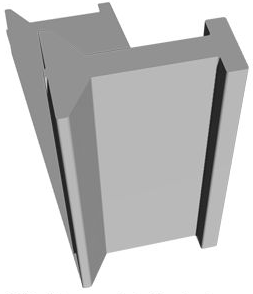

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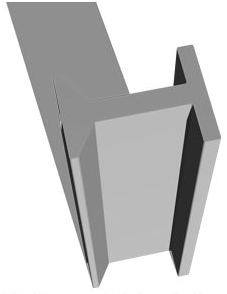

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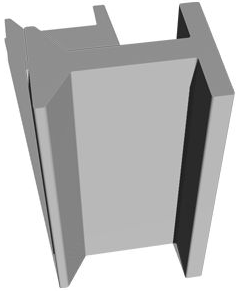

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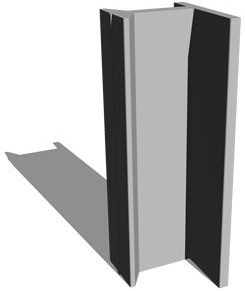

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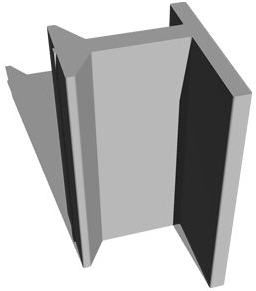

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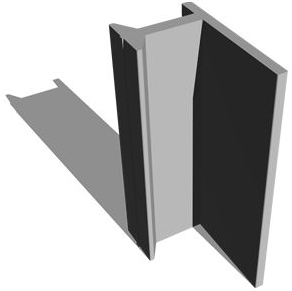

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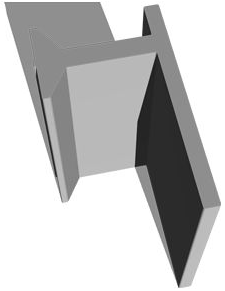

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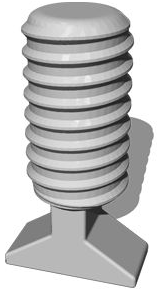
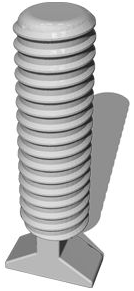


screwrailPost_01.png



screwrailPost_02.png

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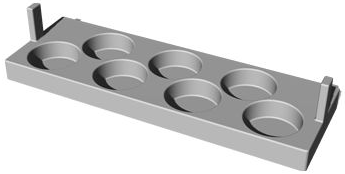
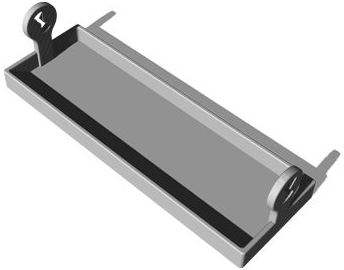


L_Paintholder_1-3_airbrush.png

L_Paintholder_1-3_bottles.png



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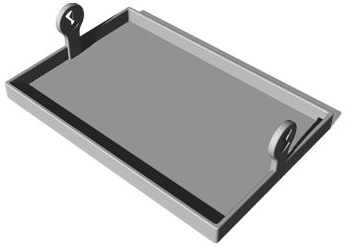
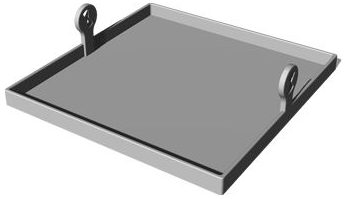


L_Paintholder_2-3_Tray.png

L_Paintholder_3-3_airbrush.png

L_Paintholder_3-3_bottles.png

L_Paintholder_3-3_pot.png



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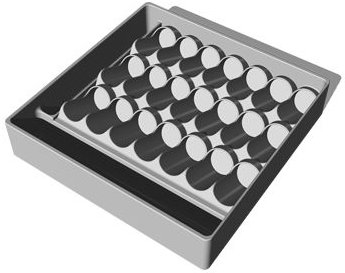
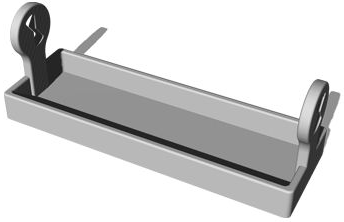
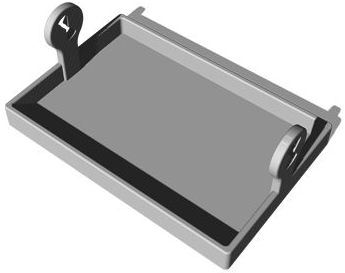


L_Paintholder_bottle_02lyrs.png

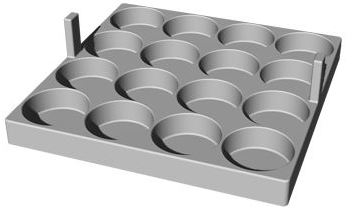
L_Paintholder_pot_1-3.png



M_Paintholder_1-3_Tray.png



M_Paintholder_2-3_Tray.png



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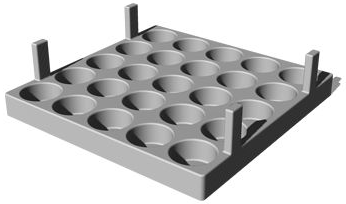
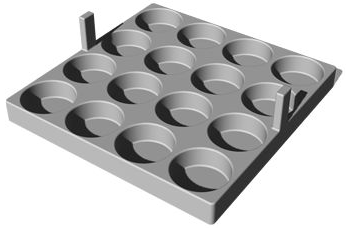
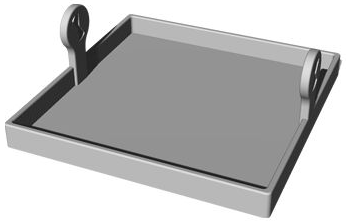


M_Paintholder_3-3_bottles.png

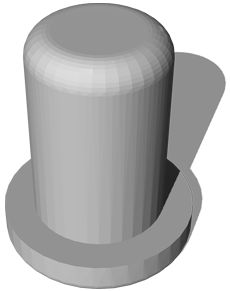


M_Paintholder_3-3_pot.png

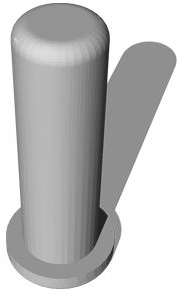


M_Paintholder_3-3_Tray.png

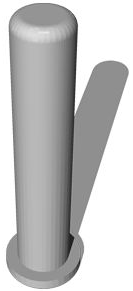
M_Paintholder_bottle_02lyrs.png



side_Holder_round_L01.png



side_Holder_round_L02.png



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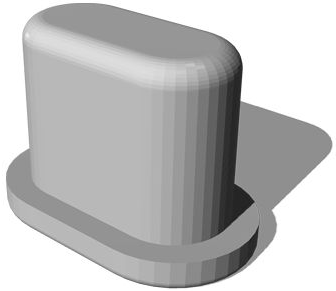

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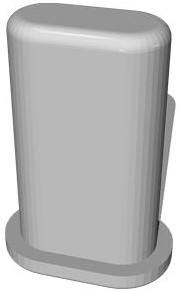

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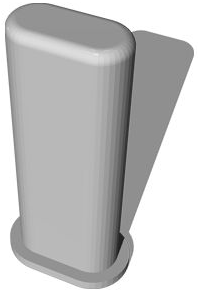

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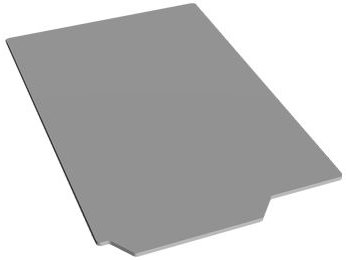
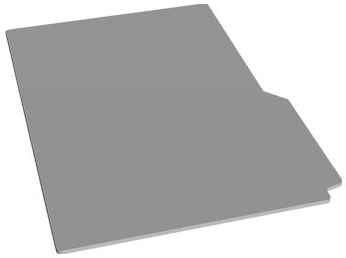


card_ divider_vertical.png



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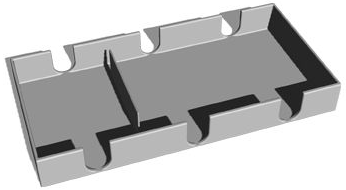
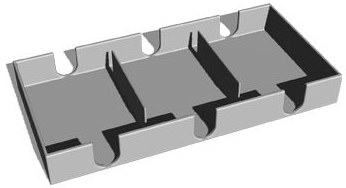
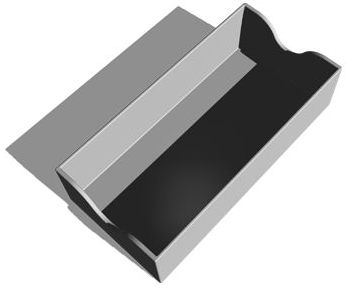


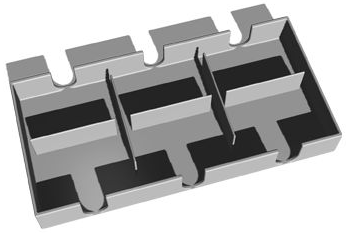
L_2_decks.png



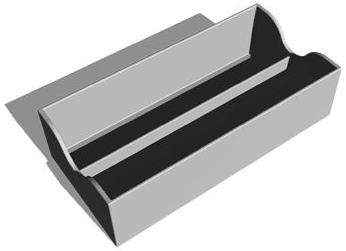
L_3_decks.png



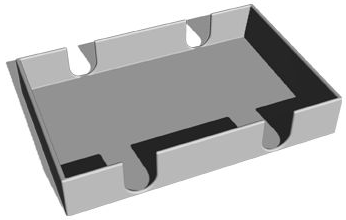
L_card_Holder.png



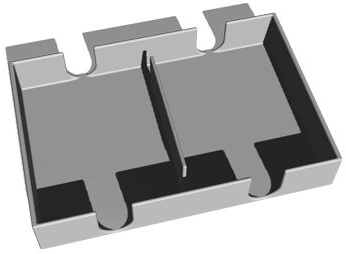
L_Mini_6_decks.png



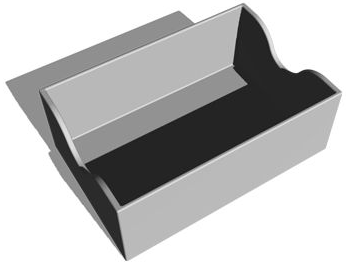
L_Mini_card_Holder.png



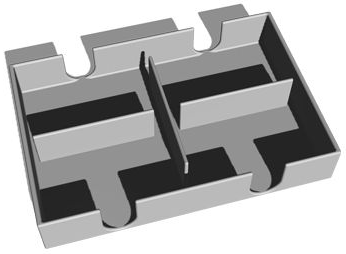
M_1_decks.png



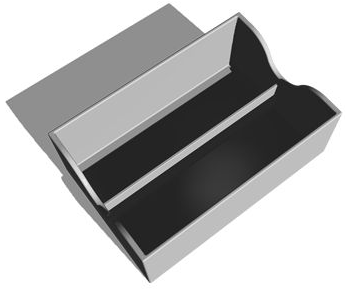
M_2_decks.png



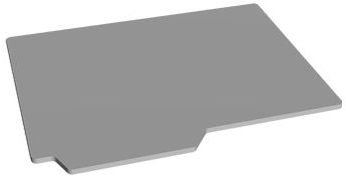
M_card_Holder.png



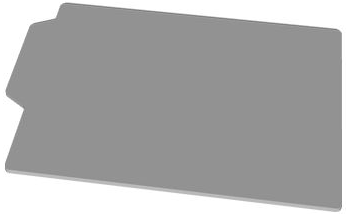
M_mini_4_decks.png



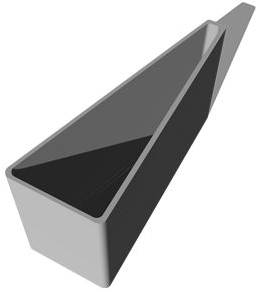
M_Mini_card_Holder.png



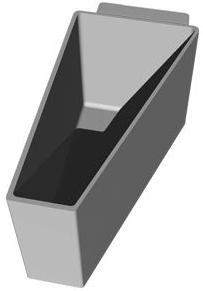
Mini_card_divider_horizontal.png



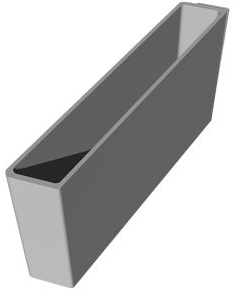
Mini_card_divider_Vertical.png



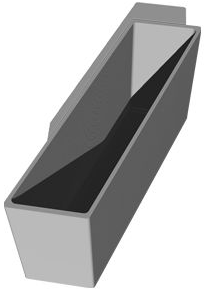
S_CounterHolders_3_v2_.png



S_CounterHolders_4_v2_.png



S_CounterHolders_slash_1_v2_.png



S_CounterHolders_slash_2_v2_.png

Side_connector_2.png

Side_connector_2x_2.png

Side_connector_2x_3.png

Side_connector_2x_4.png

Side_connector_2x_5.png

Side_connector_2x_6.png

Side_connector_3.png

Side_connector_4.png

Side_connector_5.png

Side_connector_6.png

Side_connector_7.png

Side_connector_8.png

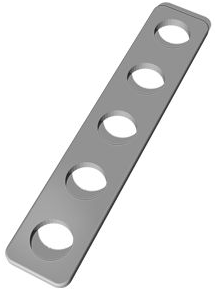
Side_connector_9.png

Side_connector_10.png

Side_connector_slim_2.png

Side_connector_slim_3.png

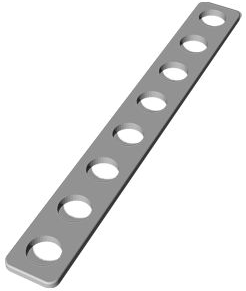
Side_connector_slim_4.png



Side_connector_slim_5.png

Side_connector_slim_6.png

Side_connector_slim_7.png



Side_connector_slim_8.png

Side_connector_slim_9.png

Side_connector_slim_10.png

L_SPT_1_Lyr02.png

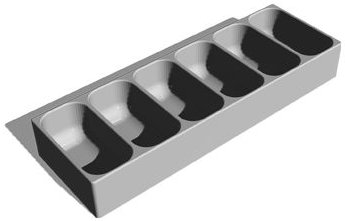
L_SPT_2_center_Lyr02.png

L_SPT_3_Lyr02.png

L_SPT_4_Center_Lyr02.png

L_SPT_4_equel_Lyr02.png

L_SPT_4_long_Lyr02.png



L_SPT_6_long_Lyr02.png

L_SPT_8_long_Lyr02.png

L_SPTL_1_Lyr01.png

L_SPTL_2_Lyr01.png

L_SPTL_3_Lyr01.png

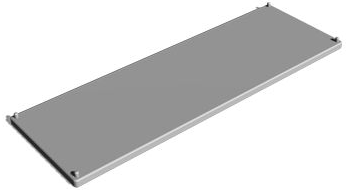
L_SPTL_4_BigEnd_Lyr01.png

L_SPTL_4_long_Lyr01.png

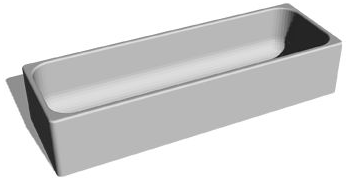
L_SPTL_4_longSide_Lyr01.png

L_SPTL_6_Lyr01.png

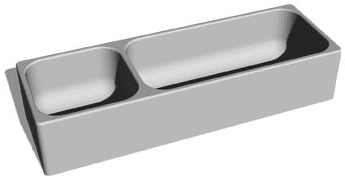
L_SPTL_12_Lyr01.png



L_SPTL_Lid.png

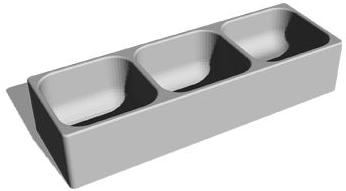


m_SPT_1_Lyr02.png

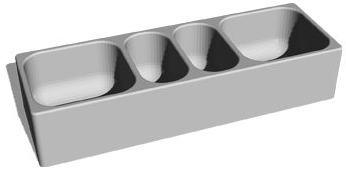


m_SPT_2_Left_Lyr02.png

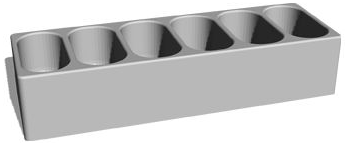
m_SPT_2_Lyr02.png



m_SPT_3_Lyr02.png



m_SPT_4_Lyr02.png



m_SPT_6_Lyr02.png

M_SPTL_1_Lyr01.png

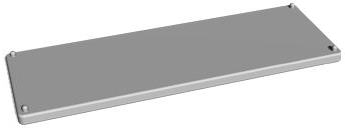
M_SPTL_2_Lyr01.png

M_SPTL_2Right_Lyr01.png

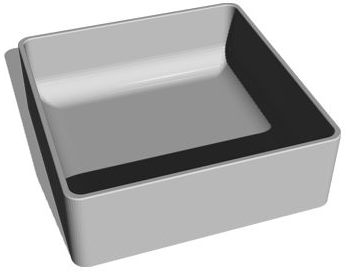
M_SPTL_3_Lyr01.png

M_SPTL_4_Lyr01.png

M_SPTL_6_Lyr01.png



M_SPTL_Cove.png



S_SPT_1_Lyr02.png

S_SPT_2_Lyr02.png

S_SPT_4_Lyr02.png

S_SPTL_1_Lyr01.png

S_SPTL_2_Lyr01.png

S_SPTL_4_Lyr01.png

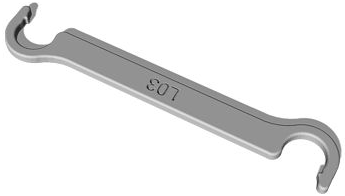
S_SPTL_Lid.png

L_Speed_Arm_01.png

L_Speed_Arm_01F.png

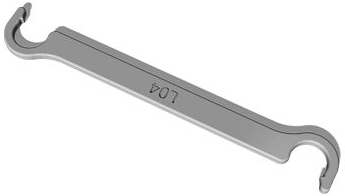
L_Speed_Arm_02.png

L_Speed_Arm_02F.png



L_Speed_Arm_03.png

L_Speed_Arm_03F.png



L_Speed_Arm_04.png

L_Speed_Arm_04F.png

M_Speed_Arm_01.png

M_Speed_Arm_01F.png

M_Speed_Arm_02.png

M_Speed_Arm_02F.png

M_Speed_Arm_03.png

M_Speed_Arm_03F.png

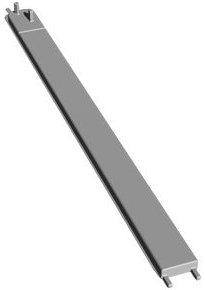
S_Speed_Arm_01.png

S_Speed_Arm_01f.png

S_Speed_Arm_01fb.png

S_Speed_Arm_02.png

S_Speed_Arm_02f.png



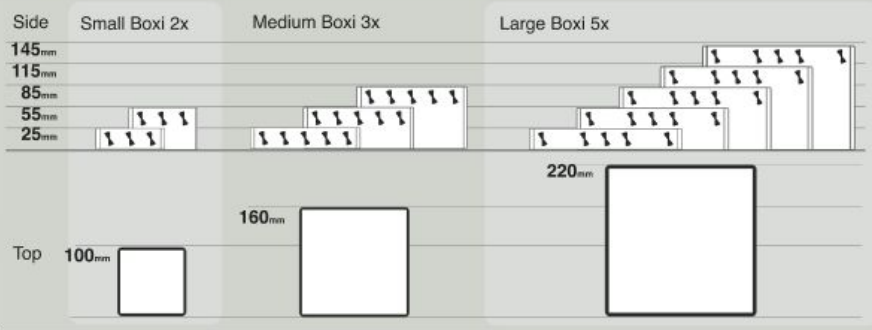
Modi Bolt Tool_long.png

Modi Bolt Tool.png

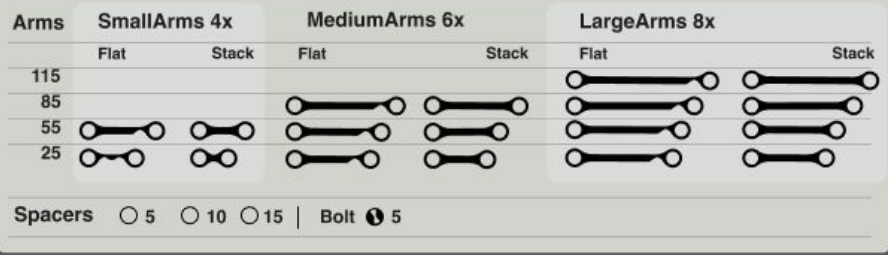
Archived/Old Files

Parts List

Boxi 10 .STLs

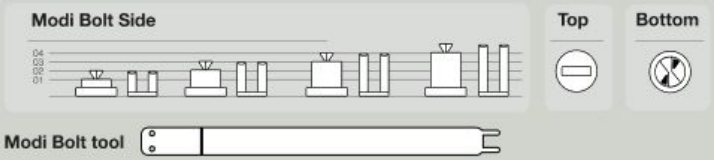


Connector Arms 22 .STLs

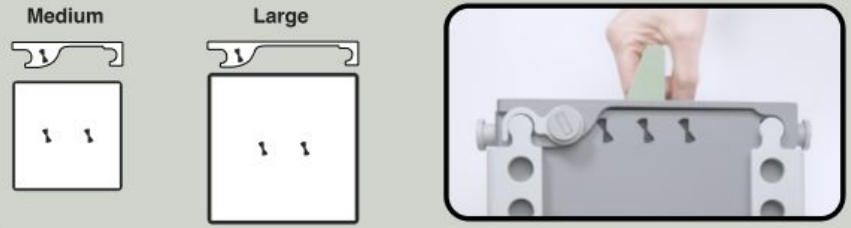


Modi Bolt System

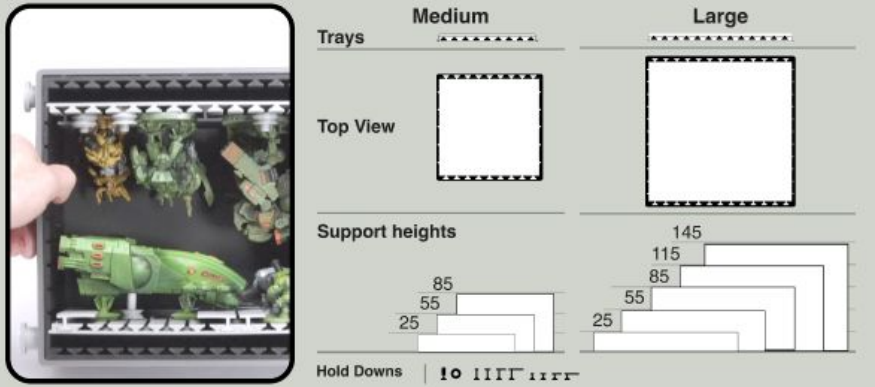
8 .STLs 250% scale



Latch Lid 2.STLs



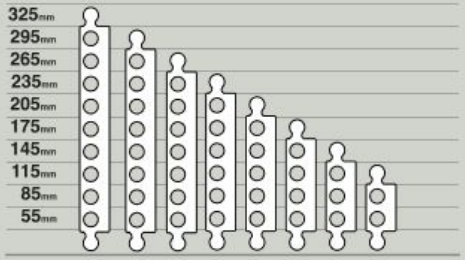
Modi Rails 26.STLs



Parts List

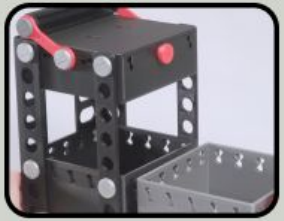
Modi Cage 8.STLs

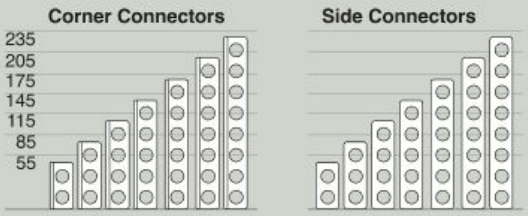
Total supported heights



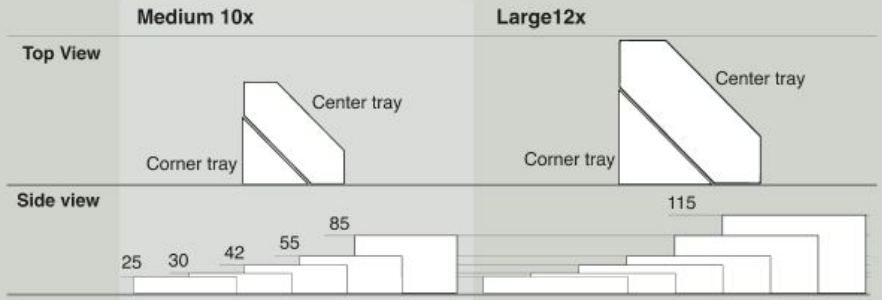
DIY Trays 110 .STLs

Corner & Side Connectors 14.STLs



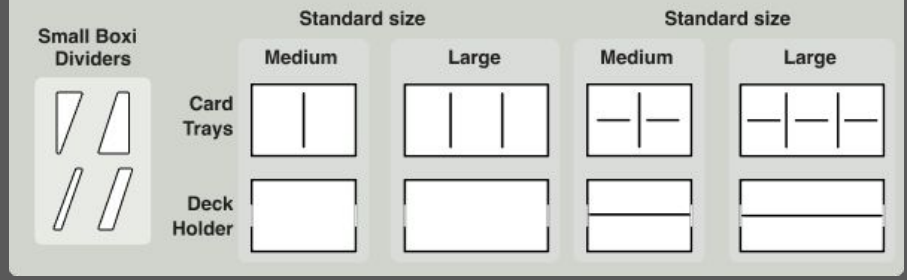


Angle Trays 22 .STLs

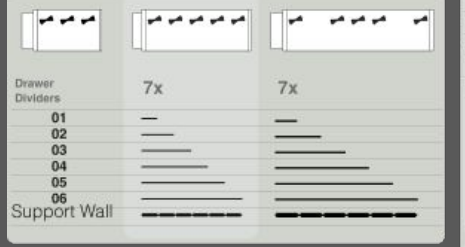


Parts List

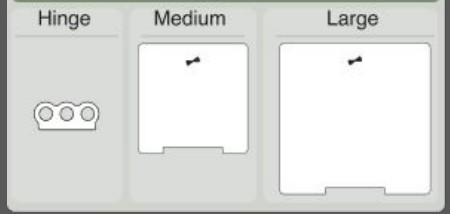
Card Holders 12 .STLs



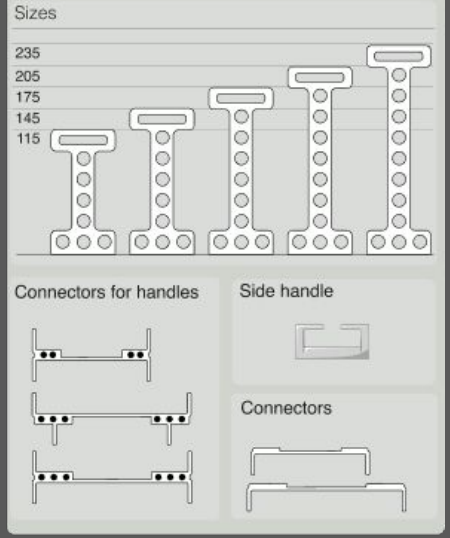
Drawers and Dresser 25 .STLs



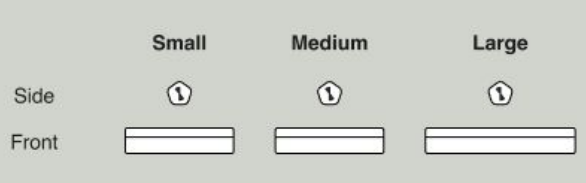
Lids and Hinge 3 .STLs core



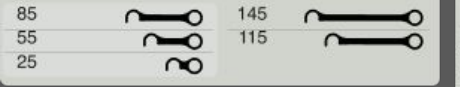
Handles and Connectors 11 .STLs



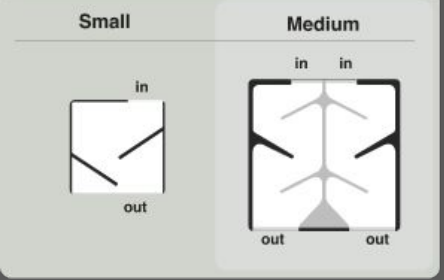
Basket handle 3.STLs



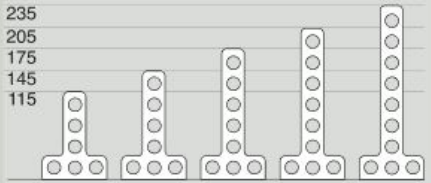
Locking Hooks 5 .STLs



Dice Rollers Topper 2 .STLs

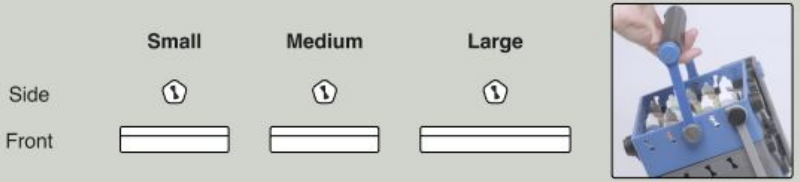


Kickstands 5 .STLs

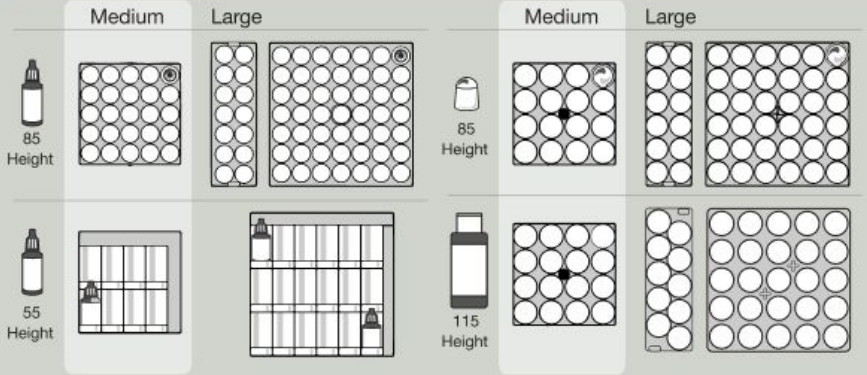


Parts List

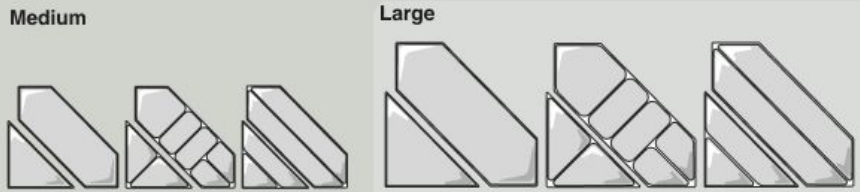
Basket handle 3.STLs



Paint Holders 11 .STLs

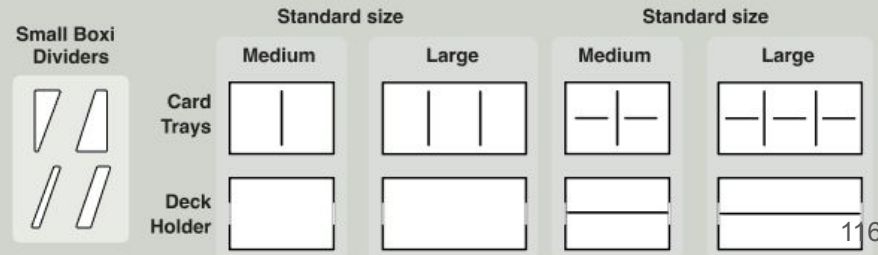


Angle Small Part Trays 12 .STLs



Small Part Trays 17 .STLs

Card Holders 12 .STLs

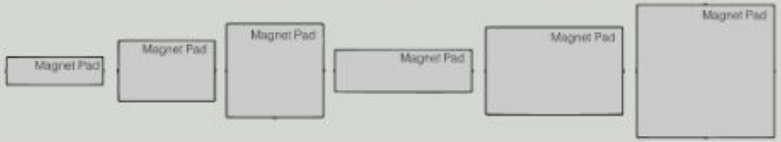


Parts List

Mini Holders (Round) 64 .STLs

Mini holders are designed to sit in the DIY Trays so you can stack more of them in one box and keep your Minis safer. This also lets you add walls

Base Size	Medium Boxi			Large Boxi		
	1/3	2/3	3/3	1/3	2/3	3/3



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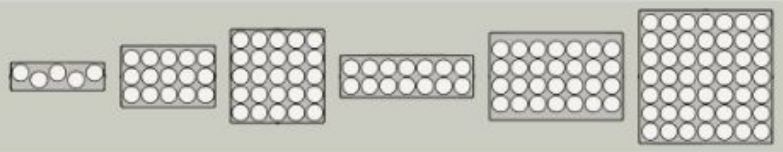

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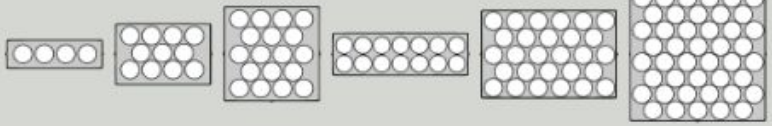

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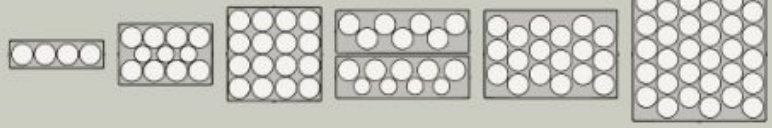

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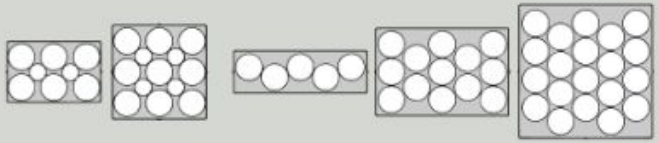

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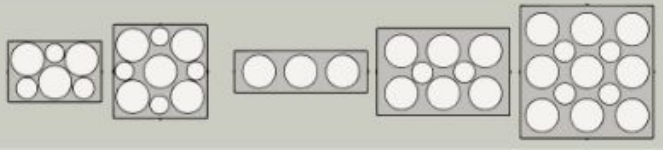

65

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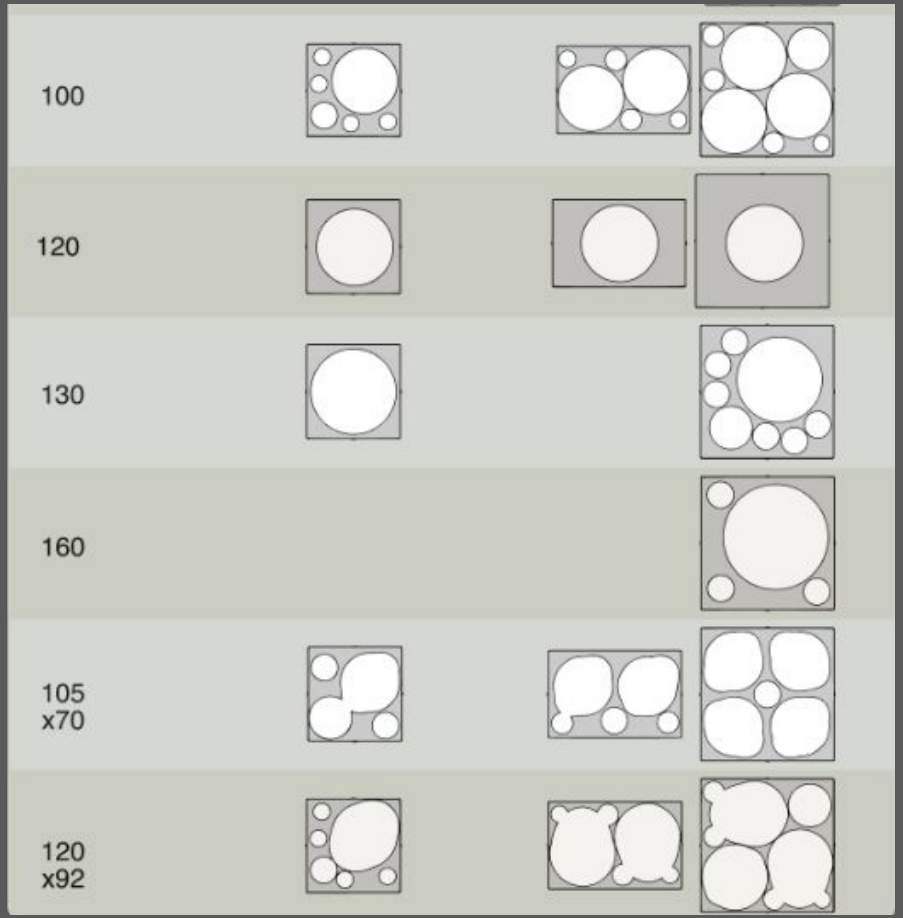
80

Parts List

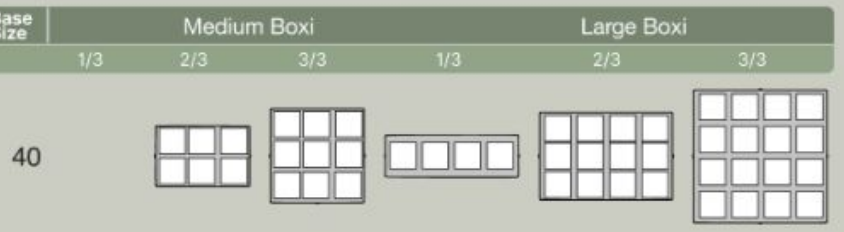


Mini Holders (Hex) 12. STLs

Base Size	Medium Boxi			Large Boxi		
	1/3	2/3	3/3	1/3	2/3	3/3
35						
40						

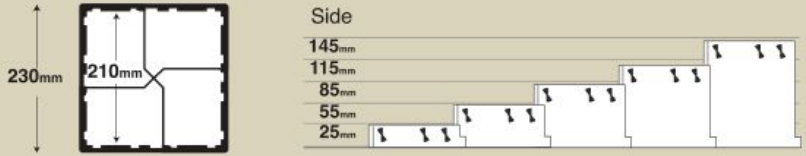
Parts List

Mini Holders (Square) 5 .STLs



Large Composite Boxi for smaller printers. 8 .STLs

This set of files are for printers that have a bed size of 130 x 160mm or larger

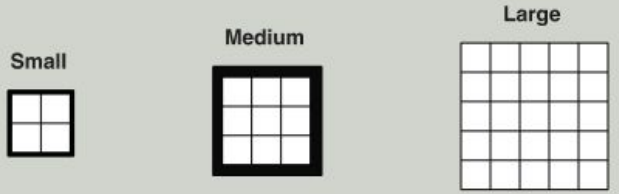


*Compatible with most large parts

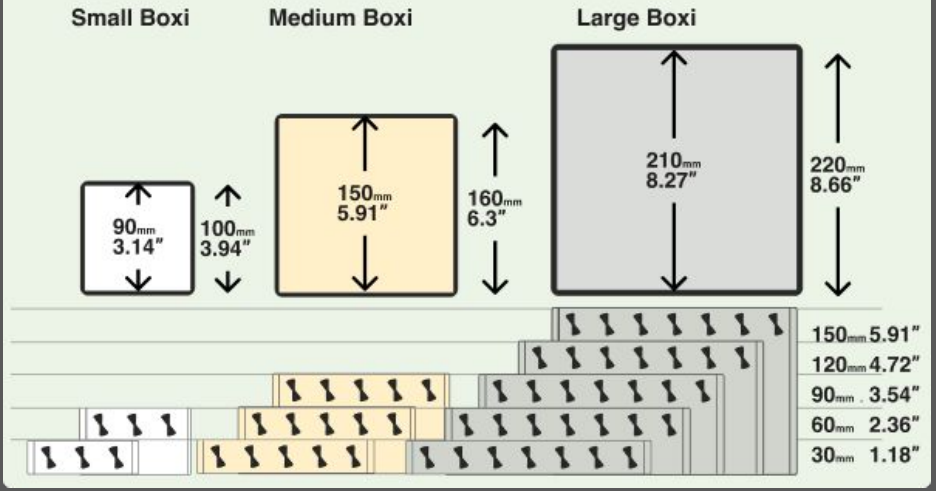
Lid and Connector for handles are for printers that have a bed size of 210 x 210mm

- Not compatible with all of the Modi Boxi system please read FAQ for updates.

Gridfinity baseplate adapters 3.STLs

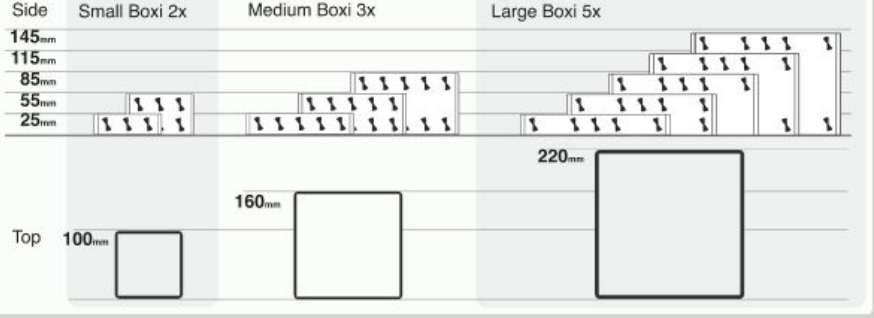


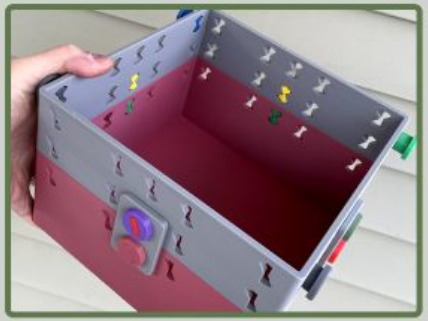
Boxi sizes



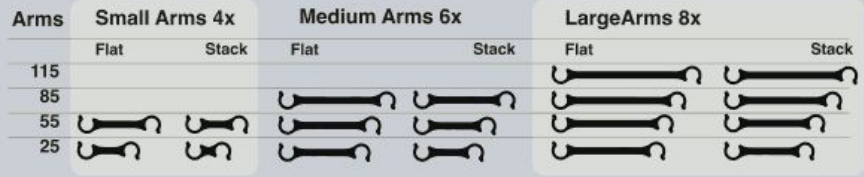
Stretch Goals

Boxi Extenders 10 .STLs



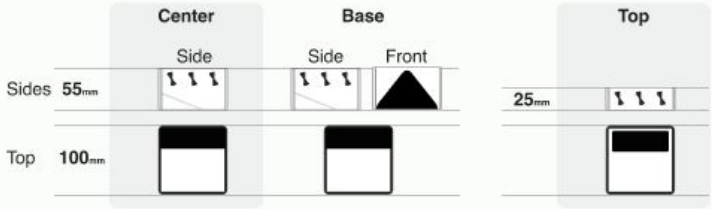


Quick Link Connector Arms



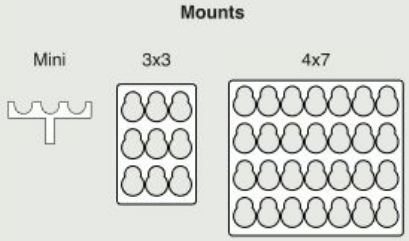
Stretch Goals

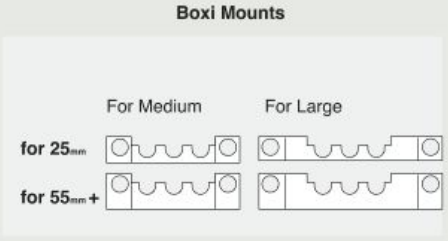
The DIY Dice Tower lets you make your dice tower your way. You can stack the center to have a dice tower as tall as you want! Watch the video and see it in action.



Boxi Mount!

It is time to think outside of the Boxi. Watch the video to see it in action.





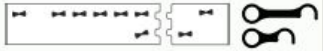
Outer-Tubes

For easy access to brushes, pens, X-Acto blades, paints, or whatever else you fancy.

Stretch Goals

Boxi Carrier

Use it to carry books, rulers, anything larger than a boxi



For printers that have a bed size of 210 x 210mm x 230

Free Size Gauges

Snap in place hole plugs

Extra Strength Modi Bolt

The Modi Bolt is strong but some filament could uses some extra help. This Extra Strength bolt prints on its side so the layer lines give it more strength.

Parts List

Printer size supported

Print bed size	Small Boxi	Medium Boxi	Large Boxi
110×110mm (or larger)	✓		
165×165mm (or larger)	✓	✓	
225×225mm (or larger)	✓	✓	✓

Printer examples			Small Boxi	Medium Boxi	Large Boxi
Bambu Labs					
	A1 mini		✓	✓	*Composite
	A1, P1P, P1S,X1		✓	✓	✓
Creality					
Ender-3 Ender-3 s1	Ender-3 v2 Ender-3 Neo	Ender-3-s1 Pro CR-10	✓	✓	*Composite
Ender-3 s1 plus, Ender-3 Max	Ender-5		✓	✓	✓
Anycubic					
Kobra, Kobra 2 Neo, Kobra 2 pro,	Kobra Go		✓	✓	*Composite
Kobra Max, Kobra 2 Max, Kobra 2 Plus,	Kobra Plus, Vyper, Anycubic C, Mega X		✓	✓	✓

Anycubic				
Kobra, Kobra 2 Neo, Kobra 2 pro,	Kobra Go	✓	✓	*Composite
Kobra Max, Kobra 2 Max, Kobra 2 Plus,	Kobra Plus, Vyper, Anycubic C, Mega X	✓	✓	✓
Prusa				
i3 MK3S+	i3 MK3S+	✓	✓	*Composite
Original Prusa MINI+	Original Prusa MK4	✓	✓	*Composite
Ankermake				
	M5C	✓	✓	*Composite
	M5	✓	✓	✓
Elegoo				
Neptune 2 Neptune 2D	Neptune 3 Neptune X	✓	✓	*Composite
Neptune 3 - (pro, Plus, Max)	Neptune 4	✓	✓	✓
Flashforge				
	Adventurer 3	✓		
	Finder 3	✓	✓	
Adventurer 4	Adventurer 5M	✓	✓	*Composite
Guider II	Creator 3 Pro	✓	✓	✓