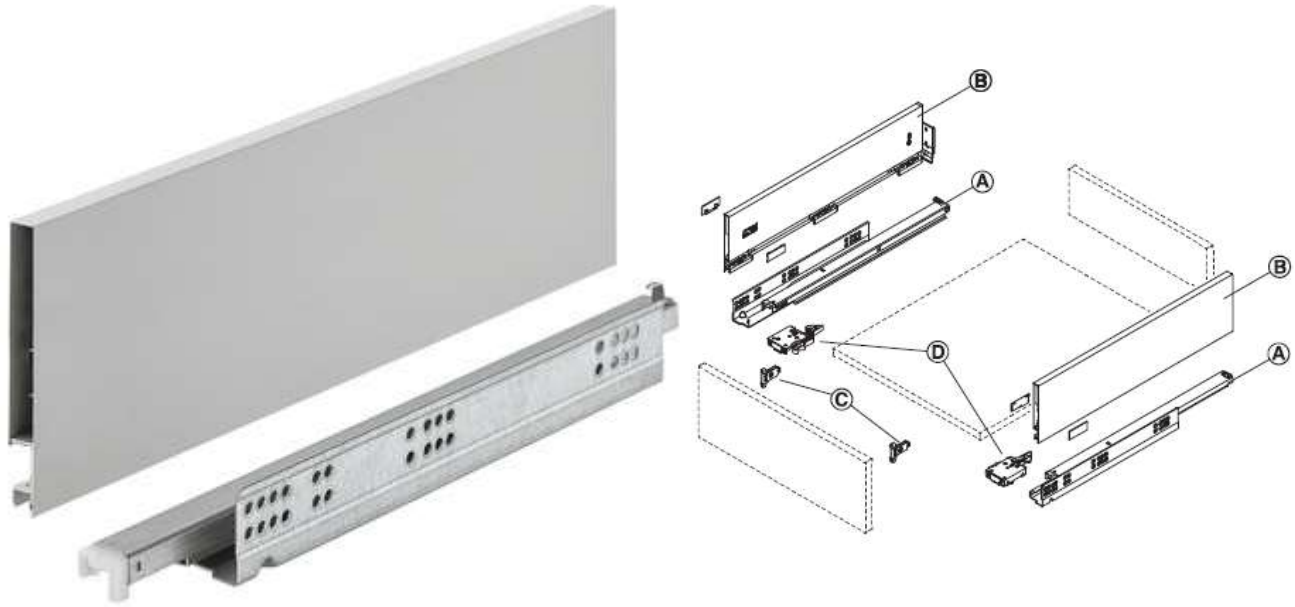
HAFELE Matrix Box Slim A - User Guide.



Introduction

Overview

- The 'Hafele MatrixBox Slim A Package' from Solid Setup Plus adds the Hafele MatrixBox Slim A drawers to Cabinet Vision.
- It provides drilling for the cabinet ends and the drawer front for CNC output.
- It also adds 3d graphics for the drawer sides, runners, galleries and brackets etc.
- All material descriptions contain the Hafele order number after the # symbol.
- White, and Anthracite colours.
- 128mm and 175mm high Inner drawers have front Gallery**.**
- A second Rollout for utilizing wooden fronts instead of metal fronts is provided.

Included in This Package

Drawer Guide Schedules:

- "Hafele MTXBOX SLM A WTE SC 30K" MatrixBox Slim A White with Softclose 30Kg guides.
- "Hafele MTXBOX SLM A ANT SC 30K" MatrixBox Slim A Anthracite with Softclose 30Kg guides.

Drawer Guide Materials:

Colour	Colour	Type	Weight	Profile	Back Hgt	270	300	350	400	450	500	550
White	Anth	Softclose	30	H89	63	270	300	350	400	450	500	550
White	Anth	Softclose	30	H128	101	270	300	350	400	450	500	550
White	Anth	Softclose	30	H175	148	270	300	350	400	450	500	550

User Created Standards

The Following UCS's are provided (ensure they are in this order once installed):

- { DRAWS } -- Hafele MatrixBox Slim A Attributes
- { DRAWS } -- Hafele MatrixBox Slim A Drilling
- { DRAWS } -- Hafele MatrixBox Slim A Brackets
- { DRAWS } -- Hafele MatrixBox Slim A Rollout

Drawer Boxes

The Following drawer box constructions are provided:

- Hafele MTXBOX SLIM A
- Hafele MTXBOX SLIM A Int (Metal Front Rollout)
- Hafele MTXBOX SLIM A IntW (Wooden Front Rollout)

Room Attributes

The Following system attributes are provided:

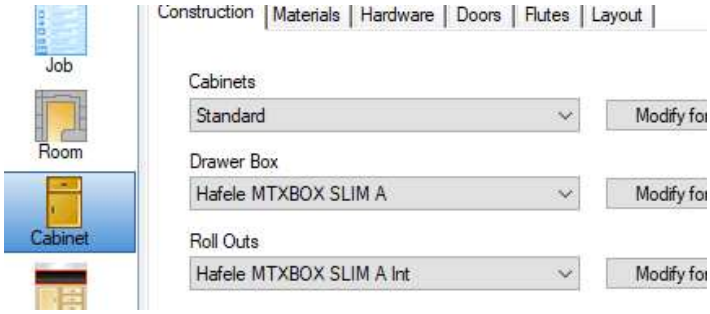
- S_Room_DFront_Screwon "Draw Front Screwon"

Matrixbox Slim A Usage

Menu Selections for a Job or Room.

To use the Matrixbox drawers in a job you must make the following selections:

- In the job or room properties the Cabinet Construction tab should have the **Drawer Box** set to "**Hafele MTXBOX SLIM A**" and the **Roll Outs** set to "**Hafele MTXBOX SLIM A Int**" as shown here:



- In the Hardware tab, choose one of the Hafele Matrixbox guide schedules:



- In the Materials tab, you can choose any of the Drawer Box or Roll Out schedules you have set up for other drawers as long as the materials selected are suitable for Hafele Matrixbox.

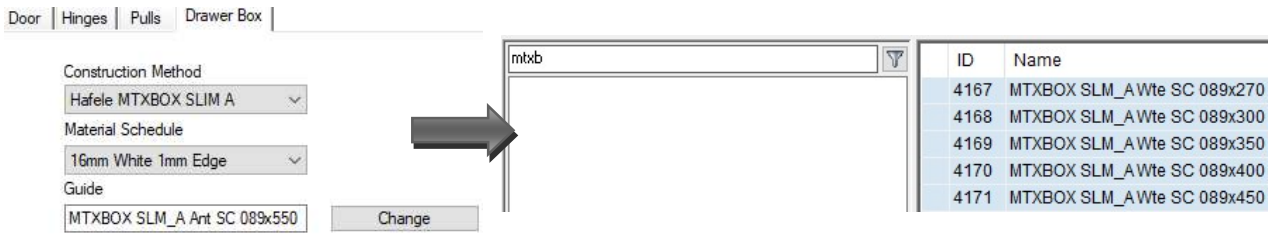
Menu Selections for a Cabinet.

To use Matrixbox drawers in a cabinet when Matrixbox has **not** been selected in the room or job the Construction, Materials and Hardware tabs for the cabinet in question **must** be set to the same selections as above.

Menu Selections for one Drawer/Rollout.

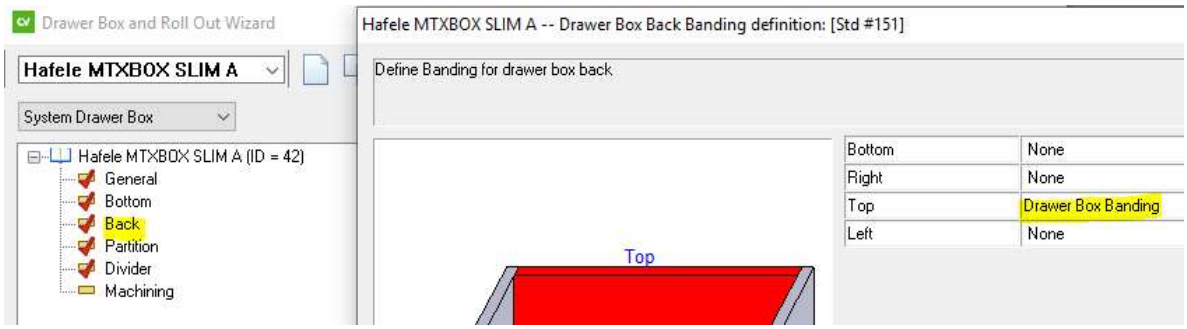
To use Matrixbox drawers for one drawer/rollout when Matrixbox has **not** been selected in the cabinet, or you wish to use a Matrixbox drawer/rollout from a different drawer guide schedule.

- Take the cabinet into the cabinet editor, click on the section view, and double click on the drawer/rollout to bring up its Properties menu, and then select the Drawer Box or Rollout Tray tab.
- The Construction tab should be set to "**Hafele MTXBOX SLIM A**" or "**Hafele MTXBOX SLIM A Int**" if it is not already.
- To Change to a different guide type press the "**change**" button shown here:
- Use the "Search" tab and a keyword such as "MTXB" to quickly find the guide you want rather than paging through materials..



Drawer Box Backs Banding Setup

- For the drawer and roll out backs to be banded correctly please run the Construction wizards for the backs in the "**Hafele MTXBOX SLIM A**" and "**Hafele MTXBOX SLIM A Int**" construction methods:

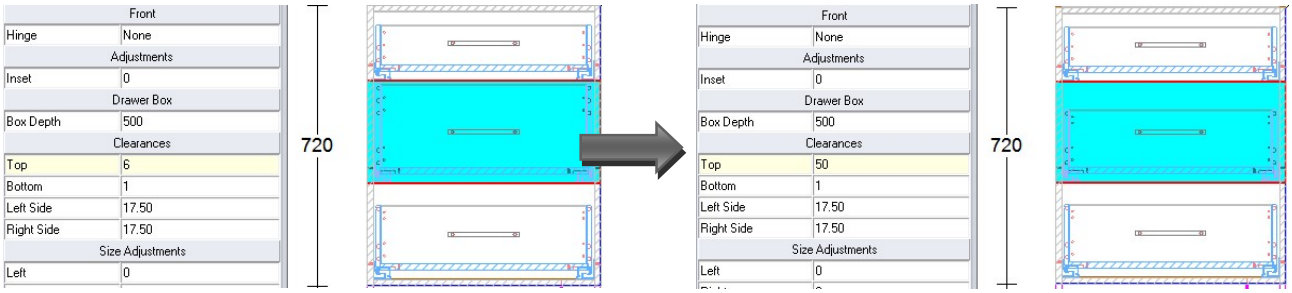


Drawer Boxes

Drawer Box Height Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the tallest drawer that will fit from the drawer guide schedule, based on the available space.

- The space is determined by the distance between any cabinet or internal parts directly behind the drawer front, minus the drawer guide material top and bottom clearances.
- To select a smaller drawer height, click on the drawer front in the section view.
- Increase the "Top Clearance" in the sidebar until the drawer height you require appears, like this:

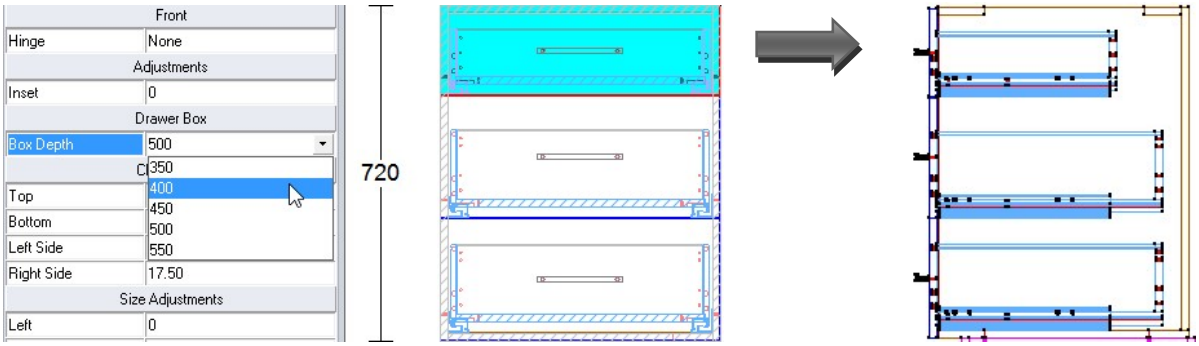


- **NOTE:** *If you are using a drawer leveling UCS (which moves the top drawer boxes up to match the bottom lip reference of the bottom drawer), this may cause those drawer boxes to interfere with an object above them, whether it be the next drawer front, the cabinets top or top stretcher or a drawer stretcher or some other part which would normally not be in the way.*
- *This occurs because the leveling UCS is applied **after** the drawer height selection has been calculated.*
- *To prevent this always check every drawer in the cabinet editor, (preferably with the graphics turned on so you can clearly see any part interference), and reduce the drawer box height using the "Top Clearance" as described above.*

Drawer Box Depth Control

When a drawer is first added to a cabinet, Cabinet Vision will always choose the deepest drawer that will fit from the drawer guide schedule, based on the available space.

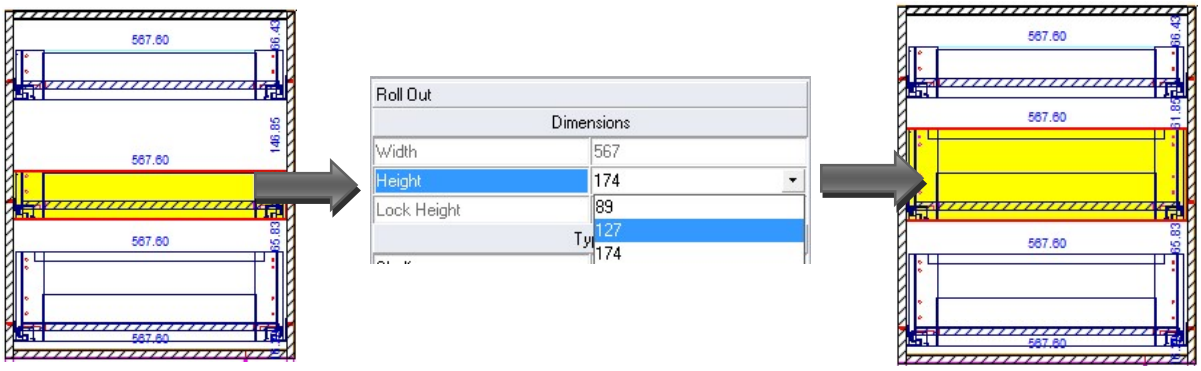
- To select a smaller drawer box depth, click on the drawer front in the section view.
- Choose the "Box Depth" from the dropdown list in the sidebar as shown here:



Rollouts

Rollout Height Control

- To add a rollout in the section interior view of the cabinet editor, add a “Split Horz” and then select it and change it to a “Rollout Tray” in the left sidebar. Or use the “Split Multi Horz” function and choose the “Roll-out Tray” button and then press OK.
- When a rollout is first added to a cabinet, Cabinet Vision will choose the height based on the tallest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a different rollout height, click on the rollout in the section interior view and use the sidebar.
- Choose the height from the dropdown box provided as shown here:



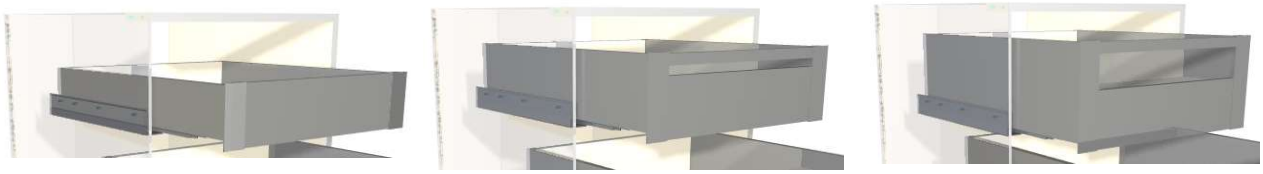
Rollout Depth Control

- When a rollout is first added to a cabinet, Cabinet Vision will always choose the deepest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a smaller rollout depth, click on the rollout in the section interior view.
- Increase the negative “**Depth**” adjustment in the sidebar until the size required is selected.

Rollout Setback

- By default we have set all the rollouts back by 9mm compared to a drawer.

Inner Front Heights



89mm **128mm** **175mm**

Rollouts with wooden fronts (Hafele MTXBOX SLIM A IntW)

- This Rollout type will not use the metal front piece, but will use a wooden front instead.
- The wooden front size and banding is set in the Roll Out Wizard – Roll Out Front

- Default overhangs are : Bottom 26mm , Sides 6mm , Top -4mm (4mm above sides)
- You can alter the wizard if you prefer different overhangs.
- The material for the wooden front and its edge banding are set in the Rollout Material Schedule

Match wooden front material to drawer front material

- To use the same material for the rollout front, as the drawer fronts, you can either create a new Rollout Material Schedule, or modify it at the room/job level.
- To use the same edge banding as the drawer fronts, follow these steps:
- In the part catalog, click on the Roll Out folder, then the Banding folder, then click New
- Select one of the available banding names, and enter the description “Roll Out Front Banding” – OK
- In the Roll Out Wizard – Roll Out Front, select the “Roll Out Front Banding” on all edges of the front
- In the Roll Out Material Schedule – change the “Roll Out Front Banding” to the same banding as the drawer front banding.
- Change the Roll Out Front material to the same material as the drawer fronts

Drawer Fronts Screwon

Room Attribute

The “Draw Front Screwon” is a Room attribute which will change all the drawer front mounting holes to screw holes.

Drilling Setup

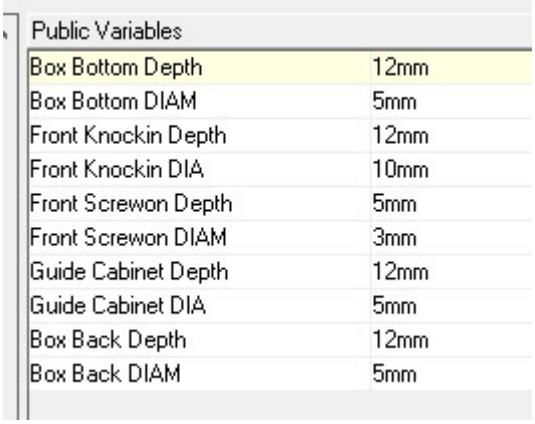
UCS Public Variables

There are 10 Public Variables in the “**{ DRAWS } -- Hafele MatrixBox Slim A Attributes “** UCS.

- To change these variables go to the Utilities – Edit User Created Standards from the Room Plan or Elevation



- Then click on the **“{ DRAWS } -- Hafele MatrixBox Slim A Attributes”** UCS.
- On the top right hand side of the screen you will see the Public Variables list:



Each set of holes has a **diameter (DIAM)** and **depth** variable.

Box Bottom = Holes in the Drawer box or Rollout bottom for the drawer side profiles (Not Used).
Front Knockin = Holes in the Drawer Front for drawer side brackets if Room Attribute "Draw Front Screwon" is False.
Front Screwon = Holes in the Drawer Front for drawer side brackets if Room Attribute "Draw Front Screwon" is True.
Guide Cabinet = Holes in the Cabinet for the Drawer or Rollout Guides.
Box Back = Holes in the Drawer box or Rollout back for the drawer side profiles.

- If your system is set to inches, simply replace the whole value with the imperial measurement instead.
- Eg 3mm might become **1/8**

Note: To turn off any of the holes if not required, set the depth to zero.

Once you have changed these values to your requirements, you can close the UCS editor.

Hafeles Drawer Bottom Drilling

WARNING: There is no documentation from Hafele for the drawer box bottom drilling, so these holes positions are not included and will not be drilled.

Vertical position of drawers

We have positioned the Matrixbox drawers 1mm higher than flush as per Hafeles recommendation to allow for variances in board thickness. We have achieved this by setting the "Minimum Bottom Clearance" in the drawer guide materials to 1mm instead of 0mm. This was done so that when your carcass material is slightly thicker than the value entered into cabinet vision, the bottom drawer guide position is less likely to interfere with the cabinets deck. If you are using a minipress to drill the drawer fronts you may need to check the fence position. If you do not wish to have this allowance you must change all the drawer guide bottom clearances to 17mm in the material catalog, or if you prefer more tolerance you can increase the value, Be sure to also compensate for any changes on your minipress if required.

Tools Required

- The drill diameters you choose in the UCS Public Variables above are all required for this package to work. You must have these tool diameters in your tool catalog and in your machine.

Package Exclusions

Some of the drawer drilling shown in various images contained in this document are not included in the Hafele Matrixbox Slim A Package, but come from other packages which are sold separately.

Any other items shown in any images such as cabinet screw holes, benchtop brackets, plastic legs etc are also part of our other packages which are sold separately.

See our website for more detailed information on these packages.