HAFELE Alto Slim - User Guide.





Introduction

Overview

- The 'Hafele Alto Slim Package' from Solid Setup Plus adds the Hafele Alto Slim 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 Black colours.
- 135mm, 167mm and 199mm high Inner drawers have front Gallery**.**
- Rollout for utilizing metal fronts, Melamine ROF fronts and SLAB colour fronts are provided.

Included in This Package

Drawer Guide Schedules:

- "Hafele Alto Slim White 35K" Alto Slim White with 35Kg guides.
- "Hafele Alto Slim Black 35K" Alto Slim Black with 35Kg guides.

Drawer Guide Materials:

Colour	Colour	Weight	Profile	Back Hgt	270	300	350	400	450	500	550
White	Black	35	H84	84	270	300	350	400	450	500	550
White	Black	35	H135	135	270	300	350	400	450	500	550
White	Black	35	H167	167	270	300	350	400	450	500	550
White	Black	35	H199	199	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 Alto Slim Variables
- { DRAWS } -- Hafele Alto Slim Holes
- { DRAWS } -- Hafele Alto Slim Brackets
- { DRAWS } -- Hafele Alto Slim Rollout

Drawer Boxes

The Following drawer box constructions are provided:

- Hafele Alto SLIM Drawer
- Hafele Alto SLIM Inner (Metal Front Rollout)
- Hafele Alto SLIM Inner W (Wooden ROF Front Rollout)
- Hafele Alto SLIM Inner SLAB (Wooden SLAB Front Rollout)

Room Attributes

The Following system attributes are provided:

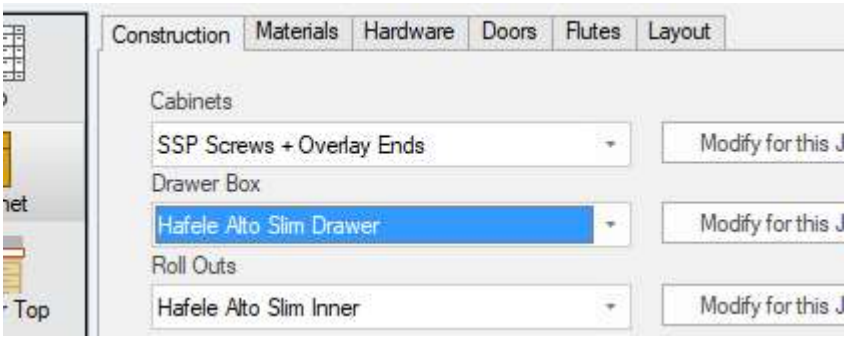
- S_Room_DFront_Screwon "Draw Front Screwon"

Alto Slim Usage

Menu Selections for a Job or Room.

To use the Alto Slim 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 Alto Slim Drawer**" and the **Roll Outs** set to "**Hafele Alto Slim Inner**" as shown here:



- In the Hardware tab, choose one of the Hafele Alto Slim 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 Alto Slim.

Menu Selections for a Cabinet.

To use Alto Slim drawers in a cabinet when Alto Slim 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.

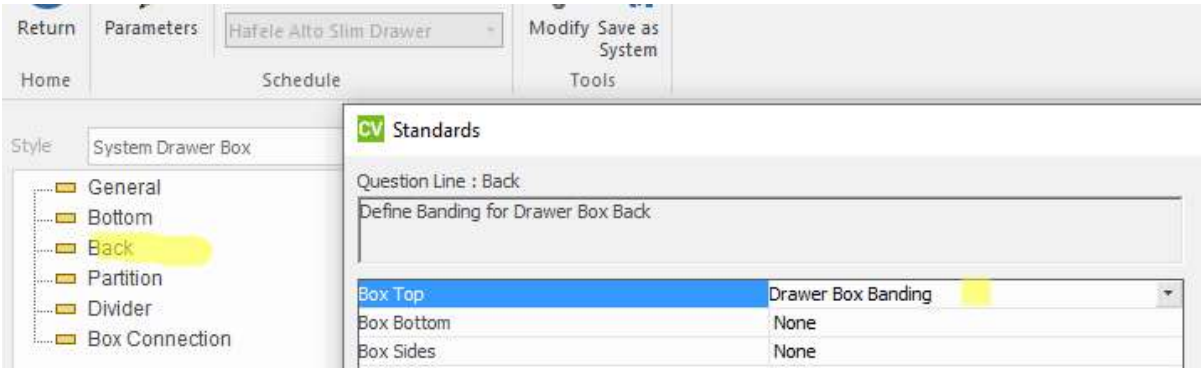
To use Alto Slim drawers for one drawer/rollout when Alto Slim has **not** been selected in the cabinet, or you wish to use a Alto Slim drawer/rollout from a different drawer guide schedule.

- 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 Alto Slim Drawer**" or "**Hafele Alto SLIM inner**" 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 "Alto Slim" 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 Alto SLIM Drawer**" and "**Hafele Alto SLIM inner**" construction methods:

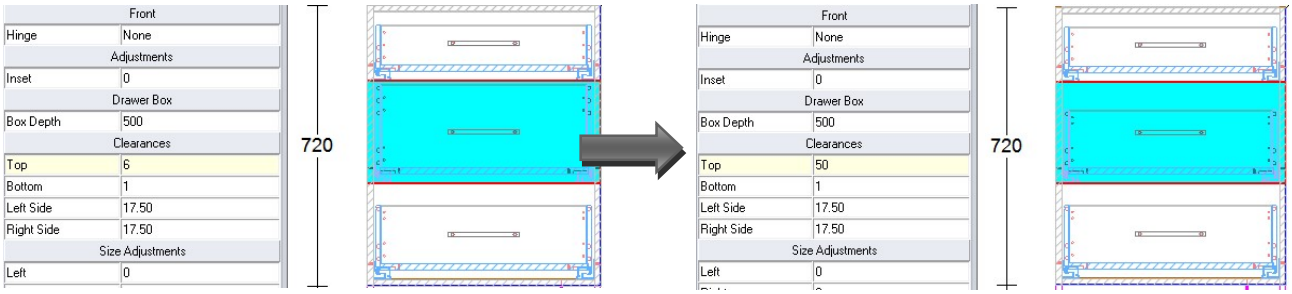


Drawer Boxes

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:

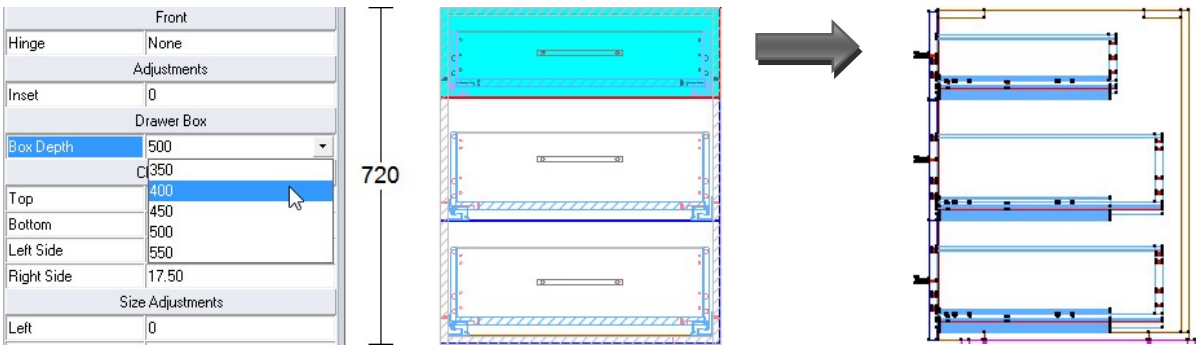


- **NOTE:** *If you are using a drawer leveling UCS (which moves the top drawer boxes up to match the bottom lip reference of the bottom drawer), this may cause those drawer boxes to interfere with an object above them, whether it be the next drawer front, the cabinets top or top stretcher or a drawer 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.

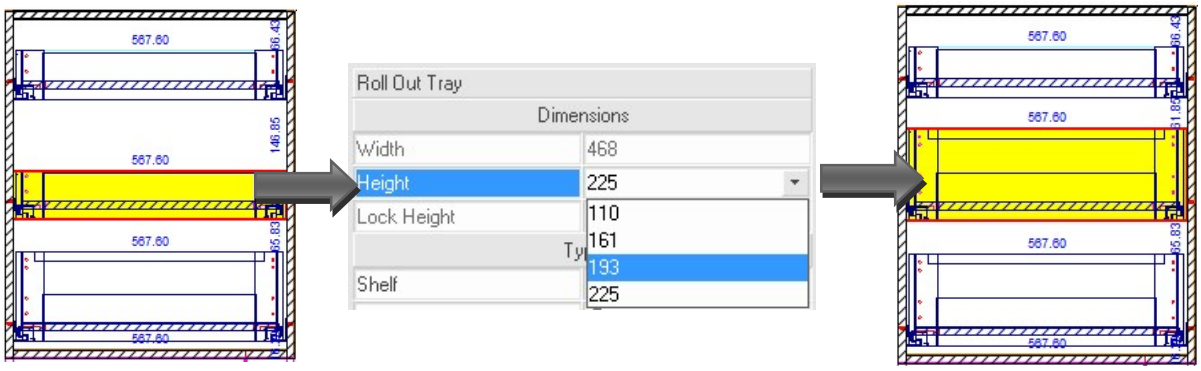
- To select a smaller drawer box depth, click on the drawer front in the section view.
- Choose the "Box Depth" from the dropdown list in the sidebar as shown here:



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

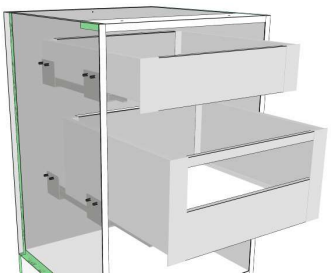
- When a rollout is first added to a cabinet, Cabinet Vision will always choose the deepest rollout that will fit from the drawer guide schedule, based on the available space.
- To select a smaller rollout depth, click on the rollout in the section interior view.
- Increase the negative “**Depth**” adjustment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

Rollout Setback

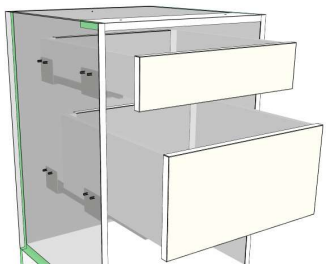
- By default we have set all the rollouts back by 9mm compared to a drawer.
- W or SLAB rollouts are set 20mm back to allow for the front

Rollouts with wooden fronts (Hafele Alto Slim Inner W – or Hafele Alto Slim Inner SLAB)

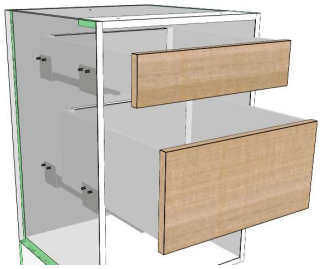
- This Rollout type will not use the metal front piece, but will use a wooden or slab front instead.
- The wooden front size and banding is set in the Roll Out Wizard – Roll Out Front
- Default overhangs are : Bottom 28mm , Sides 33.5mm (4mm gaps), Top -2mm (2mm above sides)
- You can alter the wizard if you prefer different overhangs.
- The material for the wooden front and its edge banding are set in the Rollout Material Schedule
- The material for the slab front and its edge ba nding are set in the Door Material Schedule



Metal fronts + Galleries



W (ROF) fronts



SLAB 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

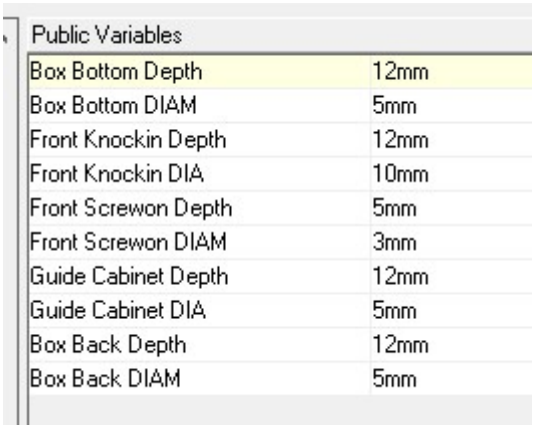
There are 10 Public Variables in the "**{ DRAWS } -- Hafele Alto Slim Variables) "** UCS.

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



Then click on the "**{ DRAWS } -- Hafele Alto Slim Variables) "** UCS.

- On the top, 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
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

For the drawer box bottom drilling we have provided only two holes, one at the front and one further back around 2/3 of the drawer depth depending on the depth of the drawer as per this table:

Bottom	1	2	3	4
270	**16.2**	**173.2**		
300	**16.2**	**173.2**	286.2	
350	**16.2**	173.2	**286.2**	
400	**16.2**	173.2	**286.2**	
450	**16.2**	173.2	**286.2**	432.2
500	**16.2**	173.2	**286.2**	432.2
550	**16.2**	173.2	**286.2**	432.2

Vertical position of drawers

We have positioned the Alto Slim 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 0mm 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 (no 1) 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 Alto Slim 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.