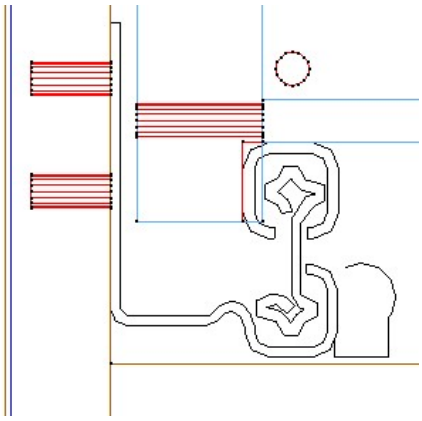
Hettich Quadro User Guide.



Introduction

Overview

- The 'Hettich Quadro Visual Package' from Solid Setup Plus adds the Hettich Quadro drawers and Inner drawers (Rollouts), to Cabinet Vision.
- It provides drilling for CNC output.
- This includes a route in the drawer sides to house the EB20 guides if required
- It also adds 3d graphics for the drawer runners.
- The runners are added as a separate parts and materials for reporting purposes.
- All material descriptions contain the Hettich order number after the # symbol.

Included in This Package

Drawer Guide Schedules:

- Hett Quadro V6 EB20 30kg
- Hett Quadro V6 Eb12 30kg
- Hett Quadro V6+EB20 50kg
- Hett Quadro V6+Eb12 50kg

Drawer Guide Materials:

Quadro V6 Eb12 30kg 260 (pr) #L 9047180/R 9047181	Quadro V6+ Eb12 50kg 300 (pr) #L 9102826/R 9102827
Quadro V6 Eb12 30kg 300 (pr) #L 9039093/R 9039095	Quadro V6+ Eb12 50kg 350 (pr) #L 9102832/R 9102834
Quadro V6 Eb12 30kg 350 (pr) #L 9046304/R 9046305	Quadro V6+ Eb12 50kg 420 (pr) #L 9102852/R 9102853
Quadro V6 Eb12 30kg 420 (pr) #L 9046294/R 9046295	Quadro V6+ Eb12 50kg 470 (pr) #L 9102850/R 9102851
Quadro V6 Eb12 30kg 470 (pr) #L 9046288/R 9046289	Quadro V6+ Eb12 50kg 520 (pr) #L 9102854/R 9102855
Quadro V6 Eb12 30kg 520 (pr) #L 9047171/R 9047172	Quadro V6+ Eb12 50kg 620 (pr) #L 9102877/R 9102878

Quadro V6 Eb20 30kg 300 (pr) #L 9118030/R 9118031
Quadro V6 Eb20 30kg 320 (pr) #L 9118056/R 9118057
Quadro V6 Eb20 30kg 350 (pr) #L 9113013/R 9113014
Quadro V6 Eb20 30kg 380 (pr) #L 9118052/R 9118053
Quadro V6 Eb20 30kg 400 (pr) #L 9099108/R 9099110
Quadro V6 Eb20 30kg 420 (pr) #L 9118000/R 9118011
Quadro V6 Eb20 30kg 450 (pr) #L 9099124/R 9099125
Quadro V6 Eb20 30kg 480 (pr) #L 9118037/R 9118039
Quadro V6 Eb20 30kg 500 (pr) #L 9118058/R 9118059

Quadro V6 Eb20 30kg 520 (pr) #L 9117998/R 9117999
Quadro V6 Eb20 30kg 550 (pr) #L 9118043/R 9118044
Quadro V6 Eb20 30kg 580 (pr) #L 9118064/R 9118065
Quadro V6 Eb20 30kg 600 (pr) #L 9118028/R 9118029

Quadro V6+ Eb20 50kg 450 (pr) #L 9127811/R 9127812
Quadro V6+ Eb20 50kg 480 (pr) #L 9127813/R 9127814
Quadro V6+ Eb20 50kg 500 (pr) #L 9127790/R 9127801
Quadro V6+ Eb20 50kg 520 (pr) #L 9127786/R 9127787
Quadro V6+ Eb20 50kg 550 (pr) #L 9127788/R 9127789

User Created Standards

The Following UCS's are provided

- { DRAWS } -- Hettich Quadro Attributes Adds Parameters used in UCSs.
- { DRAWS } -- Hettich Quadro Runners Adds the drawer guides and drawer side dado.
- { DRAWS } -- Hettich Quadro Holes Adjusts the hole sizes.
- { DRAWS } -- Hettich Quadro Rollout Adds the extra front for the SLAB type Rollouts.

Drawer Boxes

The Following drawer box constructions are provided:

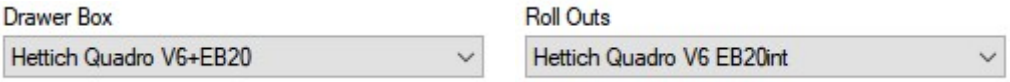
- Hettich Quadro V6 EB12 Drawer Boxes for 30kg V6 EB12 Guides
- Hettich Quadro V6+EB12 Drawer Boxes for 50kg V6+ EB12 Guides
- Hettich Quadro V6 EB20 Drawer Boxes for 30kg V6 EB20 Guides
- Hettich Quadro V6+EB20 Drawer Boxes for 50kg V6+ EB20 Guides
- Hettich Quadro V6 EB12int Rollouts for 30kg V6 EB12 Guides
- Hettich Quadro V6+EB12int Rollouts for 50kg V6+ EB12 Guides
- Hettich Quadro V6 EB20int Rollouts for 30kg V6 EB20 Guides
- Hettich Quadro V6+EB20int Rollouts for 50kg V6+ EB20 Guides
- Hettich Quadro V6 EB12int SLAB Rollouts for 30kg V6 EB12 Guides with extra SLAB front
- Hettich Quadro V6+EB12int SLAB Rollouts for 50kg V6+ EB12 Guides with extra SLAB front
- Hettich Quadro V6 EB20int SLAB Rollouts for 30kg V6 EB20 Guides with extra SLAB front
- Hettich Quadro V6+EB20int SLAB Rollouts for 50kg V6+ EB20 Guides with extra SLAB front

Quadro Usage

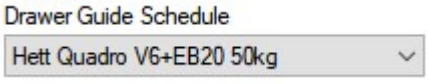
Menu Selections for a Job or Room.

To use the Quadro 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** and **Rollouts** set to one of the above methods as shown here:



- In the Hardware tab, choose one of the Hettich Quadro 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 Hettich Quadro.

Menu Selections for a Cabinet.

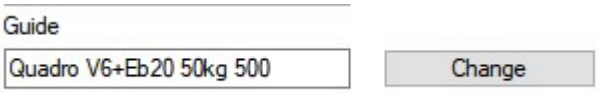
To use Quadro drawers in a cabinet when Quadro has **not** been selected in the room or job the Construction, Materials and Hardware tabs for the cabinet in question **must** be set to the same selections as above.

- To access those menus for one cabinet, take the cabinet into the cabinet editor, click on the section view, and select the Properties tab to find the menus.

Menu Selections for one Drawer/Rollout.

To use Quadro drawers for one drawer/rollout when Quadro has **not** been selected in the cabinet …

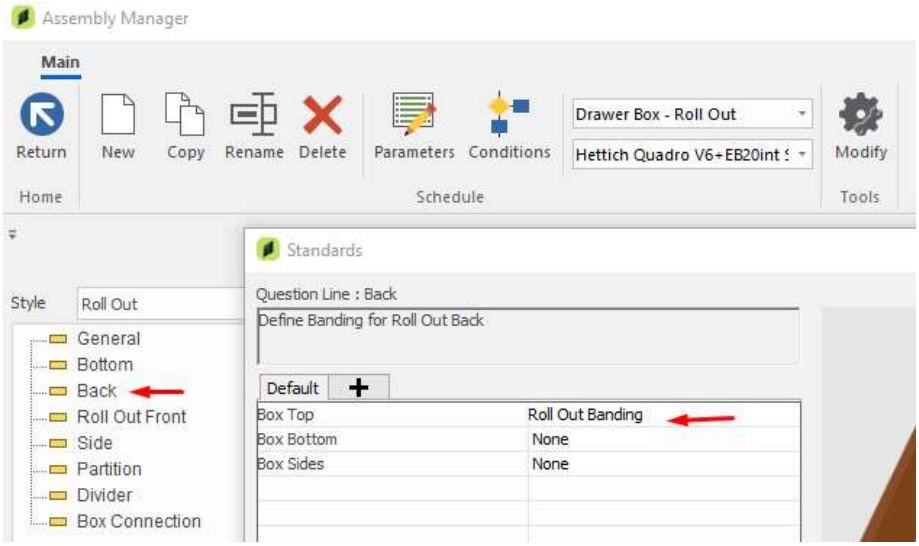
- Take the cabinet into the cabinet editor, click on the section view, and double click on the drawer/rollout to bring up its Properties menu, and then select the Drawer Box or Rollout Tray tab.
- The Construction tab should be set to Quadro if it is not already.
- To Change to a different guide type press the "**change**" button shown here:



- Use the "Search" option and a keyword like "**Quadro**" to quickly find the guide you want rather than paging through materials..

Drawer Box Banding Setup

- For the drawer and roll out parts to be banded correctly please check the Construction Wizards for all box and rollout parts:

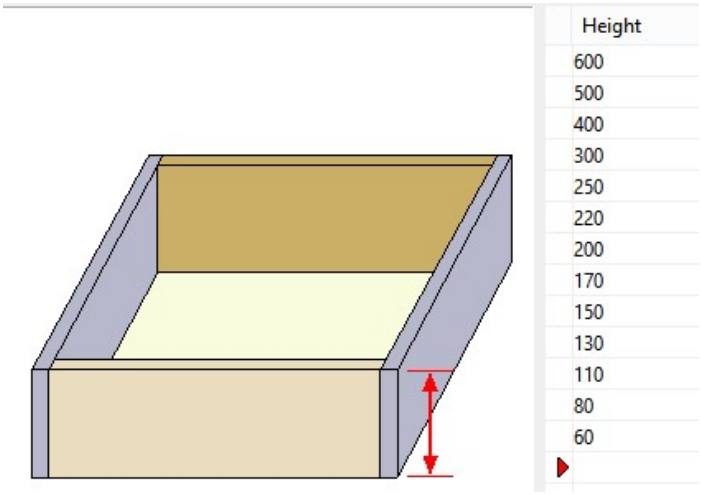


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- You can change the material for your drawer and rollout banding in the material schedules.
- The material schedules can be edited from the splash screen under the "Main" tab
- The rollout UCS edges the extra SLAB Quadro rollout front all around with door banding

Drawer Boxes

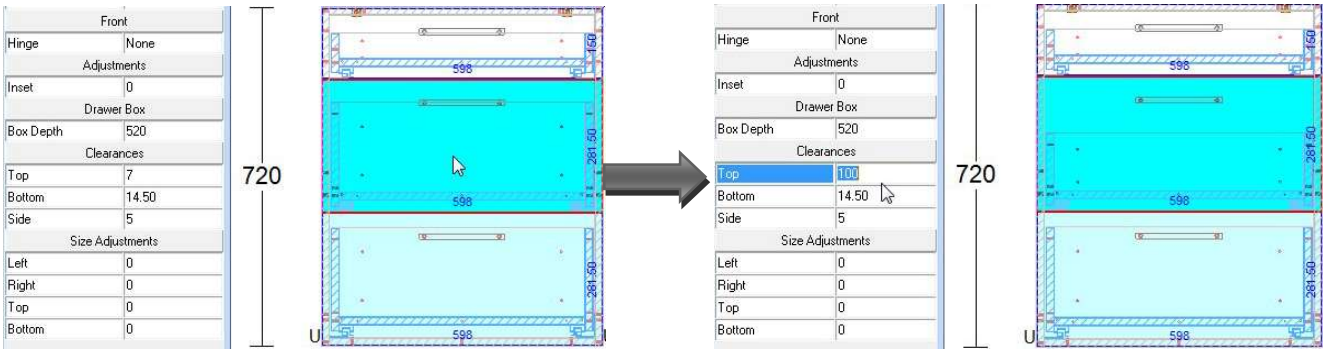
Drawer Box Height Control

We have set up the following standard heights for Quadro:



If you wish to have different standard heights, you can enter your own in the Drawer /Roll Out Wizard for the "Hettich Quadro" Drawer provided.

- When a drawer is first added to a cabinet, Cabinet Vision will always choose the tallest drawer that will fit from the drawer construction method, 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:

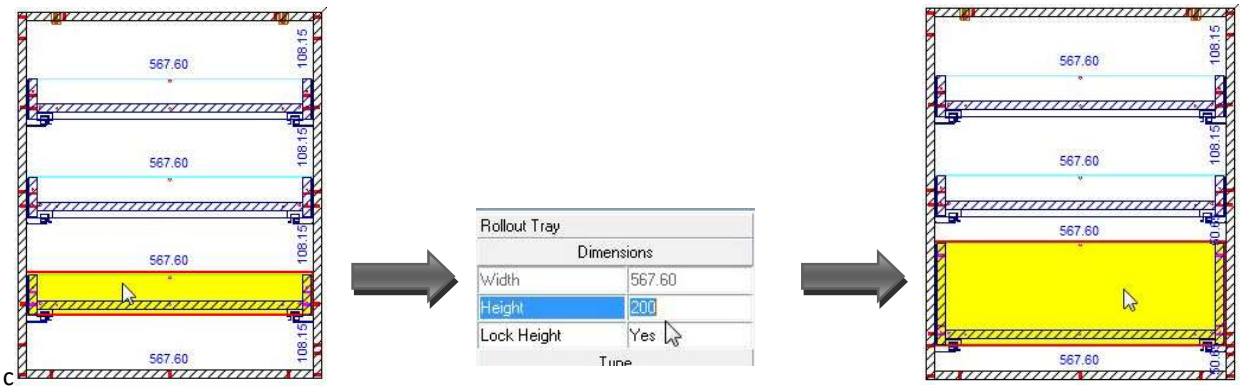


- **NOTE:** *If you are using a drawer leveling UCS (which moves the top drawer boxes up to match the bottom lip reference of the bottom drawer), this may cause those drawer boxes to interfere with an object above them, whether it be the next drawer front, the cabinets top or top stretcher or a drawer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

Rollouts

Rollout Height Control

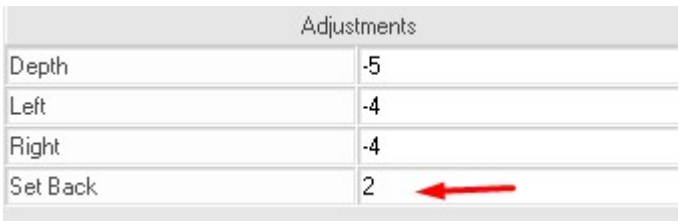
- To add a rollout in the section interior view of the cabinet editor, add a "Split Horz" and then select it and change it to a "Rollout Tray" in the left sidebar. Or use the "Split Multi Horz" function and choose the "Roll-out Tray" button and then press OK.
- When a rollout is first added to a cabinet, Cabinet Vision will set its height to the default height entered in the rollout wizard which we have set to (120mm) for Quadro.
- To select a different rollout height, click on the rollout in the section interior view and use the sidebar.



- **NOTE:** *The actual heights of the inner drawer are more than the displayed measurements due to the drawer guide underneath. This may cause the inner drawers to interfere with each other or another cabinet part.*
- *To prevent this always check every rollout in the cabinet editor, (preferably with the graphics turned on so you can clearly see any part interference with the drawer guide), and reduce the rollout box height using the method described above or move the rollout up or down .*

Rollout Setback

- By default the standard rollout setback is set to 2mm or 20mm for the SLAB fronts.
- To adjust the setback of each rollout individually, use the "**Set Back**" setting under "**Adjustments**", in the section view:

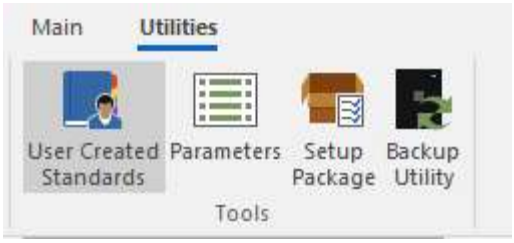


Drilling Setup

UCS Public Variables

There are 5 Public Variables in the "**{ DRAWS } -- Hettich Quadro Attributes "** UCS

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



- Then click on the **"{ DRAWS } -- Hettich Quadro Attributes"** UCS
- On the top right hand side of the screen you will see the Public Variables lists:

Public Variables	
Guide Cabinet Depth	12
Guide Cabinet DIA	5
Quadro Side Dado Tool ID	0
Back Lug Depth	12
Back Lug DIAM	5

Each set of holes has a diameter and depth value.

Guide Cabinet = Holes in the Cabinet ends for the Drawer or Rollout Guides.
Back Lug = Holes in the Drawer or Rollout back for the Drawer Guide Rear Lug.

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

Quadro Side Dado Tool ID = The Tool ID for the side dado (explained in the "Drawer and Rollout Construction" section below, sets the tool ID to the correct tool from your tool catalog.

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

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.

Drawer and Rollout Construction

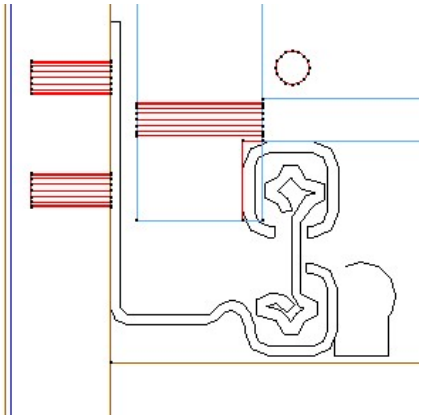
General

The drawer and rollout construction method we have created is supplied “as is”. Feel free to modify them to your preferred method (including adding any construction boring), but be aware of the following:

- The drawer bottom must remain 12mm above the bottom of the drawer. Changing this setting will affect how the gallery rails resize the sides.
- The sides therefore must remain 12mm below the bottom edge of the bottom as well.
- The drawer back must line up with the bottom edge of the bottom for the back lugs to drill into the back instead of the back edge of the bottom and for the guides to run through rather than being notched out.
- The drawer sub front must line up with the bottom edge of the bottom for the guides to run through rather than having to be notched out.
- The UCS added SLAB rollout front size is set to 2mm taller and wider on each side, than the rollout box, and hangs down below the rollout by 19mm to cover the hardware. (The 2mm at each side still leaves 3mm clearance)

Drawer Side Dado

We have added a dado to the bottom inside face of the drawer and rollout sides which will only activate if the material thickness is more than 16mm.
It will take off any thickness over 16mm so that the drawer guide side clearance can remain at 5mm for any thickness material, and the total measurement for the drawer guide gap remains at 21mm, which is a fixed value.
The width of the dado is 13mm, which is the distance the sides hang under the drawer bottom, where the drawer guide is located



- This diagram shows the dado active on 19mm material.

To set the Tool used for this dado refer to the previous section “Drilling Setup”

Package Exclusions

Some of the drawer drilling shown in various images contained in this document are not included in the Hettich Quadro Visual 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.