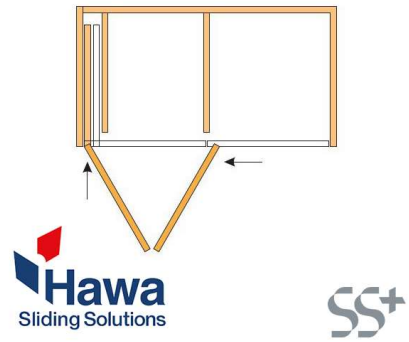
HAWA Concepta III and Folding Concepta III User Guide.



Introduction

Overview

- This package from Solid Setup Plus adds the HAWA Concepta III and Folding Concepta III to Cabinet Vision.
- Includes 1 door application left or right (Concepta III 25/35)
- Includes 2 door application left and right (Concepta III 25/35)
- Includes 3 door application (Folding Concepta III 20/25 + Concepta III 25/35)
- Includes 4 door application (Folding Concepta III 20/25 + Folding Concepta III 20/25)
- Also includes Inset Door option for Concepta III 25/35 only.
- Includes Aluminium or Black option for Running Track and Cover panel for Folding Concepta III
- Includes HAWA Door Straighteners package
- It is important that you familiarize yourself with the HAWA Concepta III system prior to reading this guide or using this package in Cabinet Vision.
- This user guide is limited to explaining how to active the HAWA Concepta III in Cabinet Vision
- This user guide does not attempt to explain the HAWA Concepta III hardware system itself, or its assembly, recommended applications, range or limitations.

Included in This Package

User Created Standards

- { DOOR } -- Hawa Concepta III Sets -Adds Main Set Parts For Ordering and Pricing
- { DOOR } -- Hawa Concepta III Tracks -Adds Cabinet Settings, Track Sets & Tracks
- { DOOR } -- Hawa Concepta III Parts -Adds Parts to Opening, Modifies Hinges and Cabinet Parts
- { DOOR } -- Hawa Concepta III Parts -Adds Parts to Opening, Modifies Hinges and Cabinet Parts

Materials:

The materials will be contained in the “HAWCONCEPTA3 Hawa Concepta III” Folder in five sub folders:



Sets (Pricing Here)

Add your pricing to all the sets in this folder.
The following sets are included:

4x Concepta III Fitting sets – (25 or 35 – for Left or Right hand)
2x Concepta III Parking Pocket sets – (Top only – or Top and Bottom)

8x Folding Concepta III 20 Fitting sets – (Push/Pull – in Black or Silver – for Left or Right hand)
8x Folding Concepta III 25 Fitting sets – (Push/Pull – in Black or Silver – for Left or Right hand)
10x Folding Concepta III Track sets – (2 or 3 Door – in Black or Silver – for Left or Right hand – or 4 Door Black or Silver)
6x Folding Concepta III Base Profile sets – (2,3 or 4 Door – in Black or Silver)
4x Folding Concepta III Strengthening Profiles (Predrilled or un-drilled – in 2 lengths)

Hinges

The hinges are used to activate the Concepta III system in the cabinet
There are 4 Concepta III hinges, 8 Folding Concepta III hinges and 1 hinge for the Folding – center hinged door.

Concepta III 25 Pull - Hinge
Concepta III 25 Push - Hinge
Concepta III 35 Pull - Hinge
Concepta III 35 Push - Hinge
Folding Concepta III - Center Hinge
Folding Concepta III 20 Pull Black - Hinge
Folding Concepta III 20 Pull Silver - Hinge
Folding Concepta III 20 Push Black - Hinge
Folding Concepta III 20 Push Silver - Hinge
Folding Concepta III 25 Pull Black - Hinge
Folding Concepta III 25 Pull Silver - Hinge
Folding Concepta III 25 Push Black - Hinge
Folding Concepta III 25 Push Silver - Hinge

Components

Materials for the parts with 3D models that do not contain any drilling

Components with Drilling

Materials for the parts with 3D models that do contain drilling operations. (Please see section below on how to edit the drilling diameters and depths)

Components to Cut

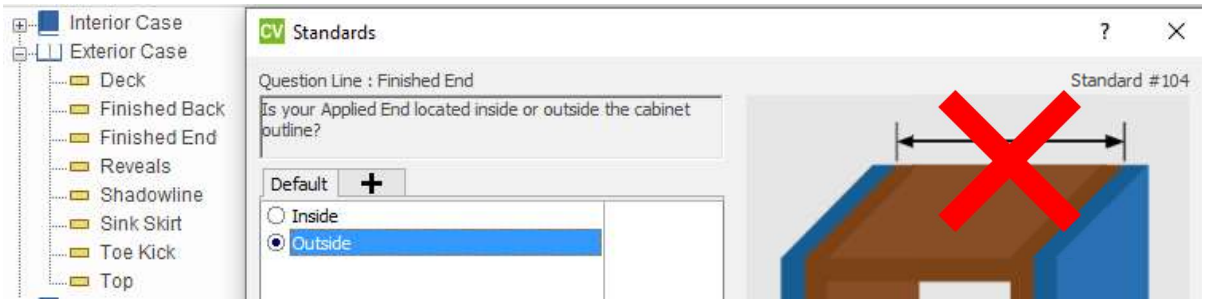
Materials for tracks, rails, connectors and strips that have cut down instructions

HAWA Concepta III Construction Settings

Applied Finished End Location

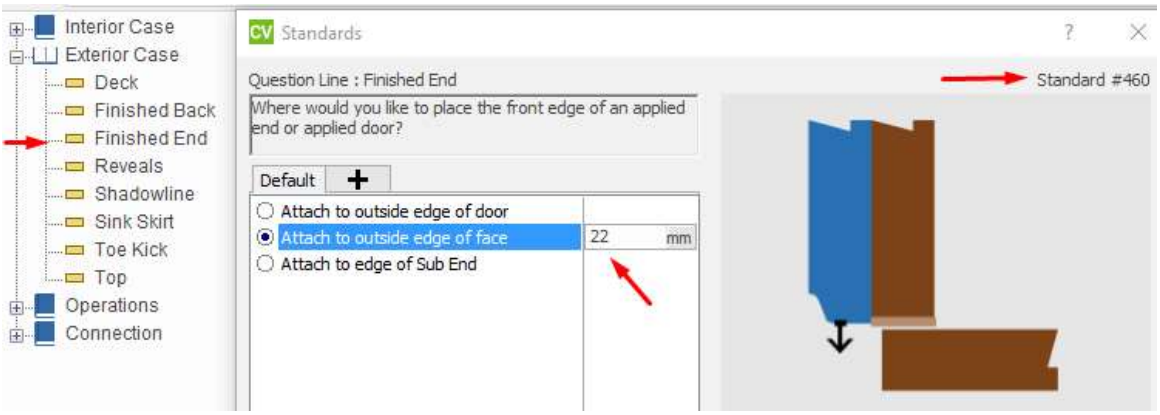
This package relies on the use of Applied Ends with left or right cabinet scribes to create the 110mm or 55mm recess cavity for the retracted doors, in between the Applied End and the Sub End
This cavity is only created, when the applied end is INSIDE the cabinet outline.
Therefore the Finished Ends standard #104 MUST be set to INSIDE as shown below:
(If it is set to outside the HAWA Concepta package WILL NOT WORK!)





Applied Finished End Front Edge

It is recommended to have the applied end front edge run past the face by the door thickness plus 3mm.
The doors for the Concepta III are 3mm forward of the face position.
This will ensure your drilling measurements from the front edge of your exterior ends line up with the HAWA documentation.
If not, although it will still be correct for assembly, the front reference will be different.
E.g. for a 19mm door, attach to outside edge of face plus 22mm:



Concepta III Activation

Prior to activation

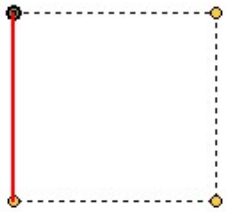
Refer to HAWA specifications for maximum and minimum cabinet sizes, and door sizes – etc.
Also refer to HAWA specifications regarding limitations on how to construct the cabinet.
Doors must be between 440mm and 750mm wide, and between 1200mm and 2700mm height only.
Door material must be between 18mm and 26mm thick only.

Cabinet End Types

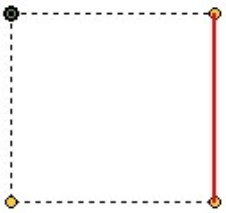
In the Cabinet Editor, select the correct end types as outlined in the following sections
To change the Cabinet End Type, - Enter the section view:



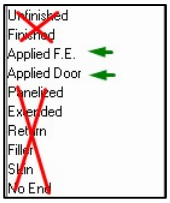
To change the Left end type, click on the left line in the cabinet diagram – it will change to a red line:



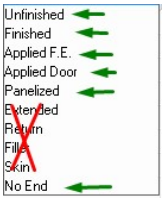
To change the Right end type, click on the right right in the cabinet diagram– it will change to a red line:



For the concepta side of the cabinet where the doors retract, select Applied F.E. or Applied Door, only:



For a side of the cabinet where the door does not retract, you can select Unfinished, Finished, Applied, Panelized or None :

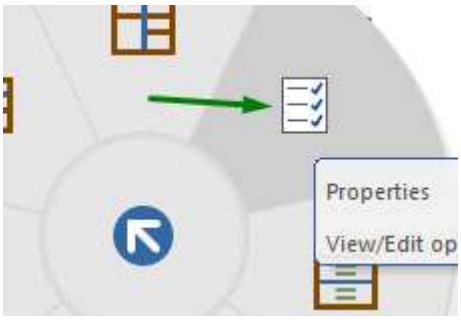


Hinge Selection

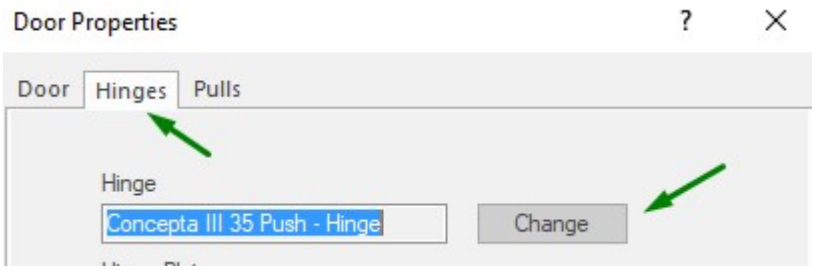
The Concepta III and Folding Concepta III is activated by selecting the correct hinge material on each door.
To change the hinge material, - In the Cabinet Editor, select the section view:



– right click on the door to access the door properties:



Select the Hinge Tab and click on the change hinge button:



Select the hinge from the - HAWCONCEPTA3 Hawa Concepta III\Hinges folder

The correct hinge material to use is explained further in the following sections:



Concepta III 25 Pull - Hinge
Concepta III 25 Push - Hinge
Concepta III 35 Pull - Hinge
Concepta III 35 Push - Hinge
Folding Concepta III - Center Hinge
Folding Concepta III 20 Pull Black - Hinge
Folding Concepta III 20 Pull Silver - Hinge
Folding Concepta III 20 Push Black - Hinge
Folding Concepta III 20 Push Silver - Hinge
Folding Concepta III 25 Pull Black - Hinge
Folding Concepta III 25 Pull Silver - Hinge
Folding Concepta III 25 Push Black - Hinge
Folding Concepta III 25 Push Silver - Hinge

Concepta III 1 Door

Cabinet End Types for Left Hinging

For the Left End select Applied F.E. or Applied Door, only: (**Cabinet Left Scribe will be set to 55mm**)
For the Right End you can select from Unfinished, Finished, Applied, Panelized or None.

Cabinet End Types for Right hinging

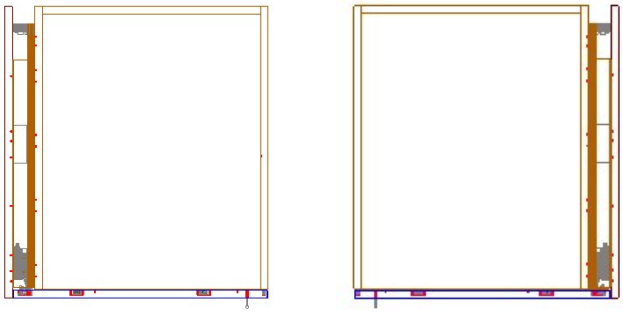
For the Right End select Applied F.E. or Applied Door, only: (**Cabinet Right Scribe will be set to 55mm**)
For the Left End you can select from Unfinished, Finished, Applied, Panelized or None.

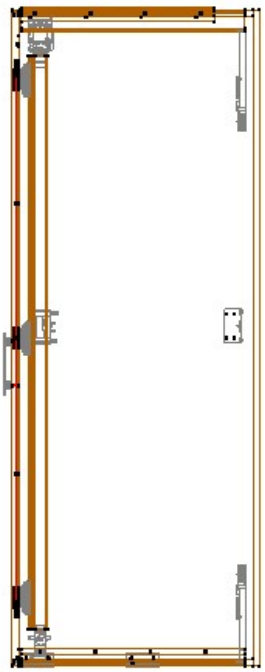
Hinge Selections

For Doors between 1200mm and 2200mm high and less than 25kg, select from the following 2 hinges:
Concepta III 25 Pull – Hinge – for without operating assistance
Concepta III 25 Push – Hinge – for with operating assistance

For Doors between 1900mm and 2700mm high and less than 35kg, select from the following 2 hinges:
Concepta III 35 Pull – Hinge – for without operating assistance
Concepta III 35 Push – Hinge – for with operating assistance

(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)









Concepta III 2 Door

Cabinet End Types for Left and Right hinging

For the Both Ends select Applied F.E. or Applied Door, only: (**Cabinet Lh + Rh Scribes will be set to 55mm**)

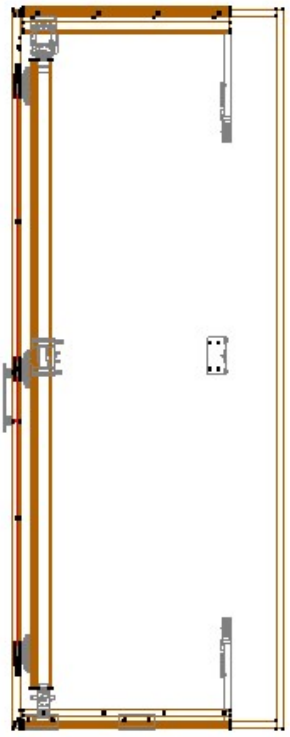
Hinge Selections (do for both doors)

For Doors between 1200mm and 2200mm high and less than 25kg, select from the following 2 hinges:
Concepta III 25 Pull – Hinge – for without operating assistance
Concepta III 25 Push – Hinge – for with operating assistance

For Doors between 1900mm and 2700mm high and less than 35kg, select from the following 2 hinges:
Concepta III 35 Pull – Hinge – for without operating assistance
Concepta III 35 Push – Hinge – for with operating assistance

(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)







Folding Concepta III 2 Door

Cabinet End Types for Left Hinging

For the Left End select Applied F.E. or Applied Door, only: (**Cabinet Left Scribe will be set to 110mm**)
For the Right End you can select from Unfinished, Finished, Applied, Panelized or None.

Cabinet End Types for Right hinging

For the Right End select Applied F.E. or Applied Door, only: (**Cabinet Right Scribe will be set to 110mm**)
For the Left End you can select from Unfinished, Finished, Applied, Panelized or None.

Hinge Selections for retracting door

For Doors between 1200mm and 2200mm high and less than 20kg, select from the following 4 hinges:

Folding Concepta III 20 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 20 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 20 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 20 Push Black – Hinge – for with operating assistance - black track and cover panel

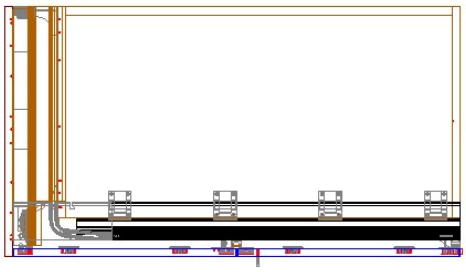
For Doors between 1900mm and 2700mm high and less than 25kg, select from the following 4 hinges:

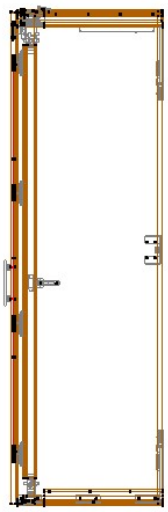
Folding Concepta III 25 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 25 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 25 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 25 Push Black – Hinge – for with operating assistance - black track and cover panel

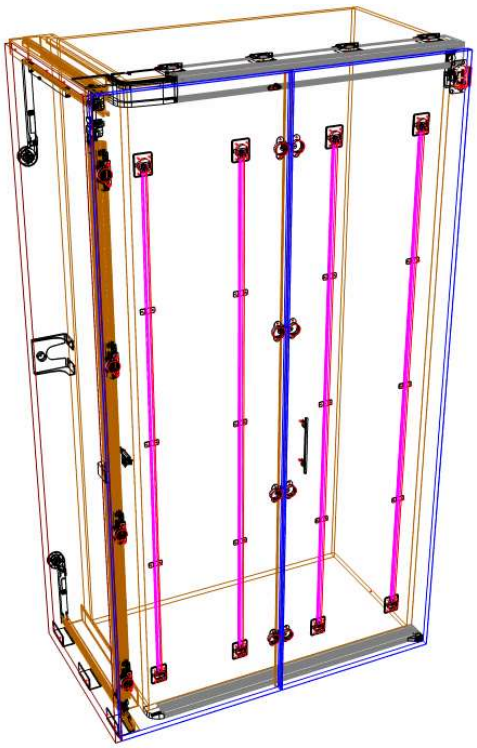
(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)

Hinge Selections for folding center door

Folding Concepta III – Center Hinge – for folding door with center hinge







Folding Concepta III 3 Door - (Folding + Single Concepta)

Cabinet End Types

For Both Ends select Applied F.E. or Applied Door, only: (**Folding Scribe will be set to 110mm, Single will be 55mm**)

Hinge Selections for folding retracting door

For Doors between 1200mm and 2200mm high and less than 20kg, select from the following 4 hinges:

Folding Concepta III 20 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 20 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 20 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 20 Push Black – Hinge – for with operating assistance - black track and cover panel

For Doors between 1900mm and 2700mm high and less than 25kg, select from the following 4 hinges:

Folding Concepta III 25 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 25 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 25 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 25 Push Black – Hinge – for with operating assistance - black track and cover panel

(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)

Hinge Selections for folding center door

Folding Concepta III – Center Hinge – for folding door with center hinge

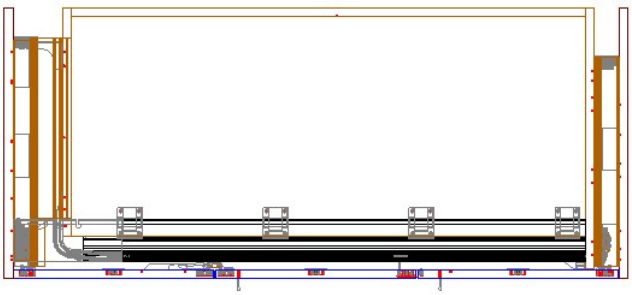
Hinge Selections for single Concepta III door

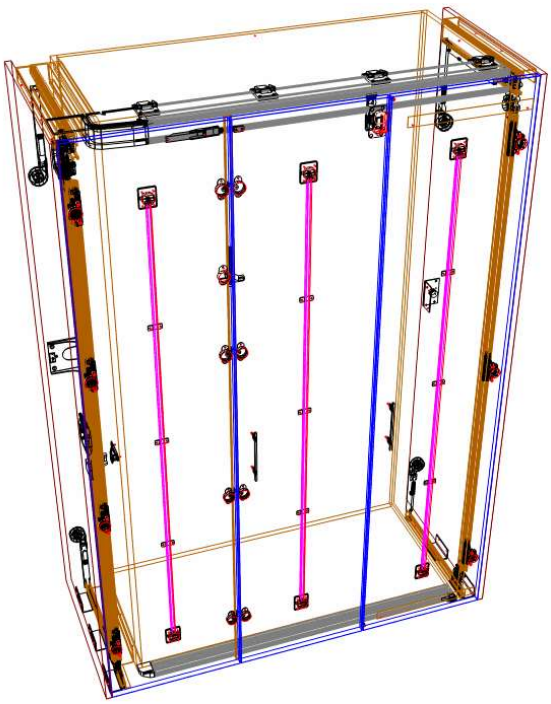
For Doors between 1200mm and 2200mm high and less than 25kg, select from the following 2 hinges:

Concepta III 25 Pull – Hinge – for without operating assistance
Concepta III 25 Push – Hinge – for with operating assistance

For Doors between 1900mm and 2700mm high and less than 35kg, select from the following 2 hinges:

Concepta III 35 Pull – Hinge – for without operating assistance
Concepta III 35 Push – Hinge – for with operating assistance





Folding Concepta III 4 Door

Cabinet End Types

For Both Ends select Applied F.E. or Applied Door, only: (**Cabinet Lh + Rh Scribes will be set to 110mm**)

Hinge Selections for folding retracting doors

For Doors between 1200mm and 2200mm high and less than 20kg, select from the following 4 hinges:

Folding Concepta III 20 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 20 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 20 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 20 Push Black – Hinge – for with operating assistance - black track and cover panel

For Doors between 1900mm and 2700mm high and less than 25kg, select from the following 4 hinges:

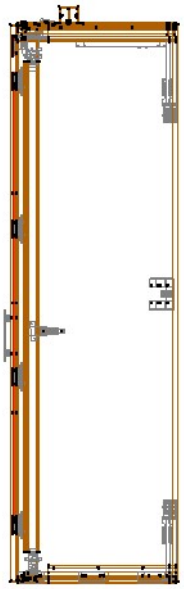
Folding Concepta III 25 Pull Silver – Hinge – for without operating assistance - silver track and cover panel
Folding Concepta III 25 Pull Black – Hinge – for without operating assistance - black track and cover panel
Folding Concepta III 25 Push Silver – Hinge – for with operating assistance - silver track and cover panel
Folding Concepta III 25 Push Black – Hinge – for with operating assistance - black track and cover panel

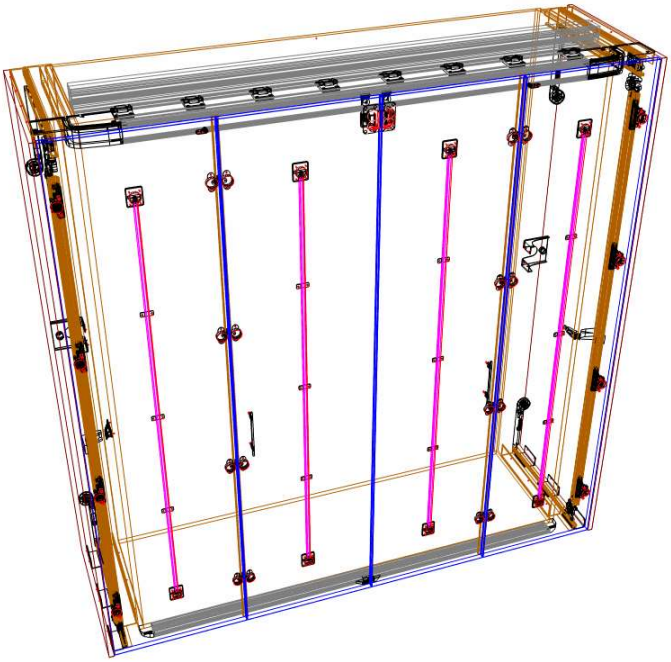
(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)

Hinge Selections for folding center doors

Folding Concepta III – Center Hinge – for folding door with center hinge







Concepta III Inset Door Option

Door Inset

For Concepta III Inset door option, change the door inset to the door thickness plus 3mm – so for a 19mm thick door, door inset would be 22mm

Internal Part depth adjustments -3mm

When adding Partitions, Dividers or Shelves, make sure to adjust the depth by -3mm.

Cabinet End Types

For the Ends for the inset option you can select from Unfinished, Finished, Panelized or None.

Partition required for cavity.

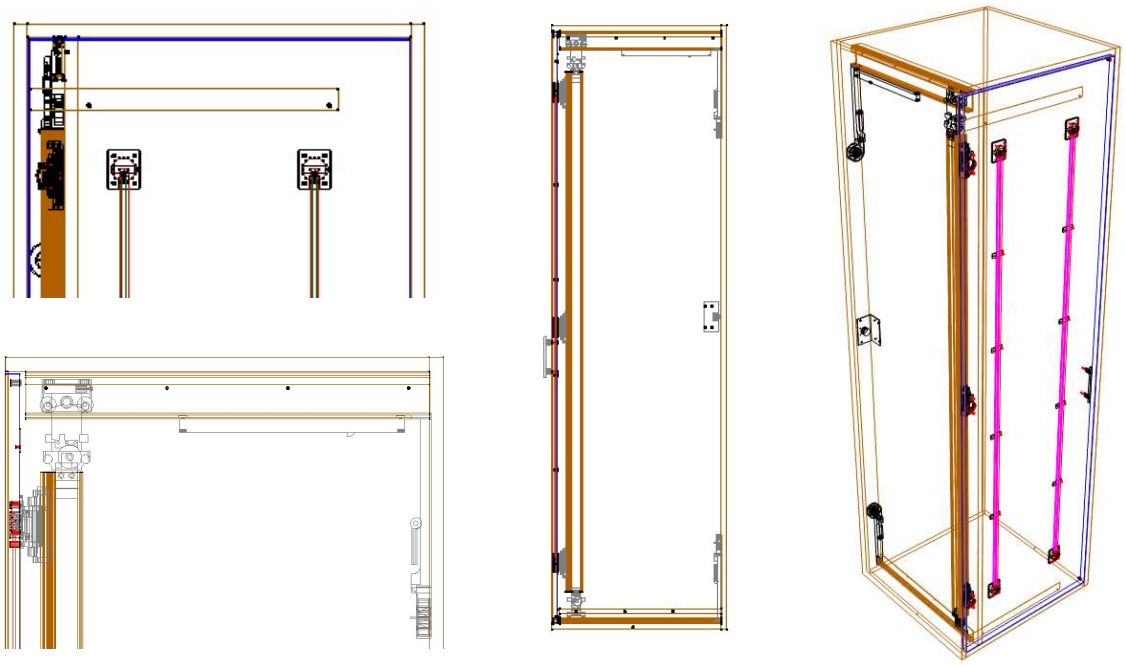
For the inset option you will need to add a partition or divider 55mm away from the hinge end to create the cavity for the door to retract into. This is done instead of using the Applied end with a cabinet scribe to create the cavity, because the gap between the sub end and the finished end would be visible above and below the door.
Ensure you remove the cabinet scribe if it persists from selecting the hinge.

Hinge Selections

For Doors between 1200mm and 2200mm high and less than 25kg, select from the following 2 hinges:
Concepta III 25 Pull – Hinge – for without operating assistance
Concepta III 25 Push – Hinge – for with operating assistance

For Doors between 1900mm and 2700mm high and less than 35kg, select from the following 2 hinges:
Concepta III 35 Pull – Hinge – for without operating assistance
Concepta III 35 Push – Hinge – for with operating assistance

(NOTE: door weight is not calculated by this package – please refer to HAWA weight/door size tables)



NOTE: For inset doors the Connector at the top of the cabinet and the Connector clips at the bottom, are removed.

Cabinet Attributes

Concepta III and Folding Concepta III

_Cncpta3 Base ? — **True** – Cabinet has a Toe Base – bottom profile is 6mm below case.
False – Cabinet sits on floor – bottom profile moves up 10mm minimum.

_Cncpta3 Base Clr (10-30) — Only when **Base** = **False**, this value can be adjusted between 10 and 30mm as to how far the hardware moves up.

_Cncpta3 Bot Gap (0-6) — When **Base** = **true**, the Door Bottom Reveal equals this value.
When **Base** = **false**, the Door Bottom Reveal equals this value **ADDED** to the Base Clearance value

Concepta III

The Concepta III single door will add the following attribute to the Cabinet:

_Cncpta3 M Door Outset — Change Door protrusion past face of cabinet if required

Note: if the hardware protrudes behind the cabinet, increase the M – Door Outset to adjust.

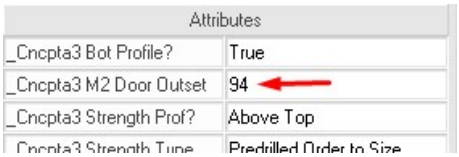
Folding Concepta III

The Folding Concepta III will add the following attributes to the Cabinet:

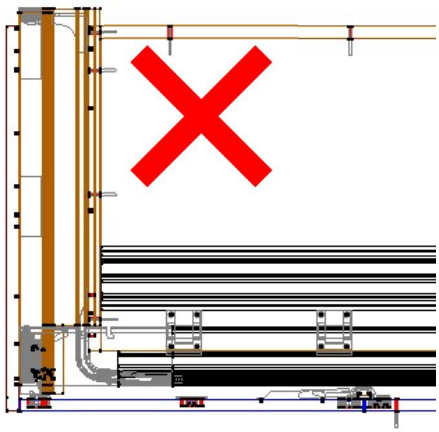
_Cncpta3 M2 Door Outset — Change Door protrusion past face of cabinet if required
_Cncpta3 Bot Profile? — Add or remove bottom profile (default is true)
_Cncpta3 Strength Prof? — Add Strengthening Profile above or below top (3 or 4 doors only)
_Cncpta3 Strength Type — Select Strengthening Profile material for ordering from list:

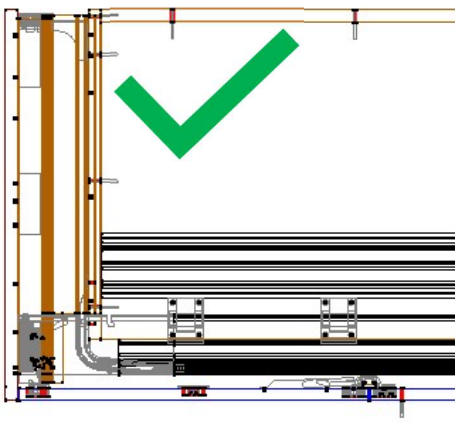
Predrilled – Order to size - Size listed with predrilled holes - will be ordered.
Predrilled 2600 cut down – 2600 profile with predrilled holes - will be ordered to be cut down
Undrilled cut down – profile 2085 or 2765 undrilled - will be ordered to be cut down depending on length required

Note: if the hardware protrudes behind the cabinet, increase the M2 – Door Outset to adjust.









Door Attributes

Concepta III

The Concepta III door will have the following attributes:

_Cncpta3 Door Buffers?	Allows you to turn off the door buffers for the HAWA Concepta III doors
Straightener?	Controls door straighteners (please see separate User Guide for straighteners)

Folding Concepta III

The Folding Concepta III door will have the following attribute:

Straightener?	Controls door straighteners (please see separate User Guide for straighteners)

Drilling Setup

Hinge Anchor Drilling – Hole sizes

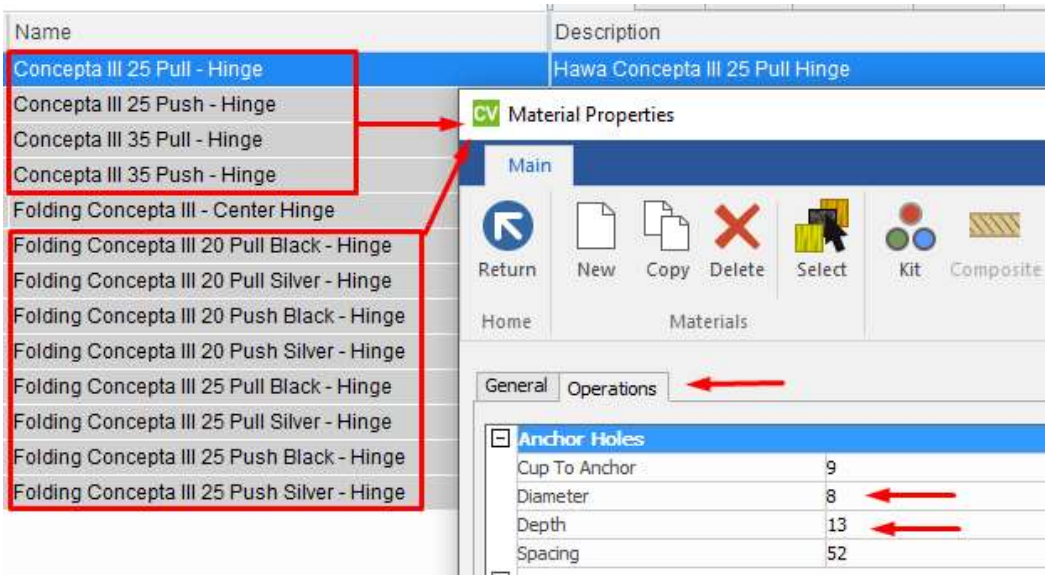
The hinge anchor holes are set to 3mm diameter and 13mm deep. If you are supplied with hinges that need an 8mm lug hole instead of the 3mm screw hole, please change the drilling sizes as follows

- In the Material Manager, find the **HAWCONCEPTA3 Hawa Concepta III** folder
- Now select the **Hinges** folder:



- For all hinge materials right click and select properties.
- (ignore the " Folding Concepta III - Center Hinge" as it requires a 3mm x 2mm anchor hole)
- Click on the Operations Tab and change the Anchor diameter and depth values to the sizes you prefer:

Name
Concepta III 25 Pull - Hinge
Concepta III 25 Push - Hinge
Concepta III 35 Pull - Hinge
Concepta III 35 Push - Hinge
Folding Concepta III - Center Hinge
Folding Concepta III 20 Pull Black - Hinge
Folding Concepta III 20 Pull Silver - Hinge
Folding Concepta III 20 Push Black - Hinge
Folding Concepta III 20 Push Silver - Hinge
Folding Concepta III 25 Pull Black - Hinge
Folding Concepta III 25 Pull Silver - Hinge
Folding Concepta III 25 Push Black - Hinge
Folding Concepta III 25 Push Silver - Hinge



Components with Drilling – Hole sizes

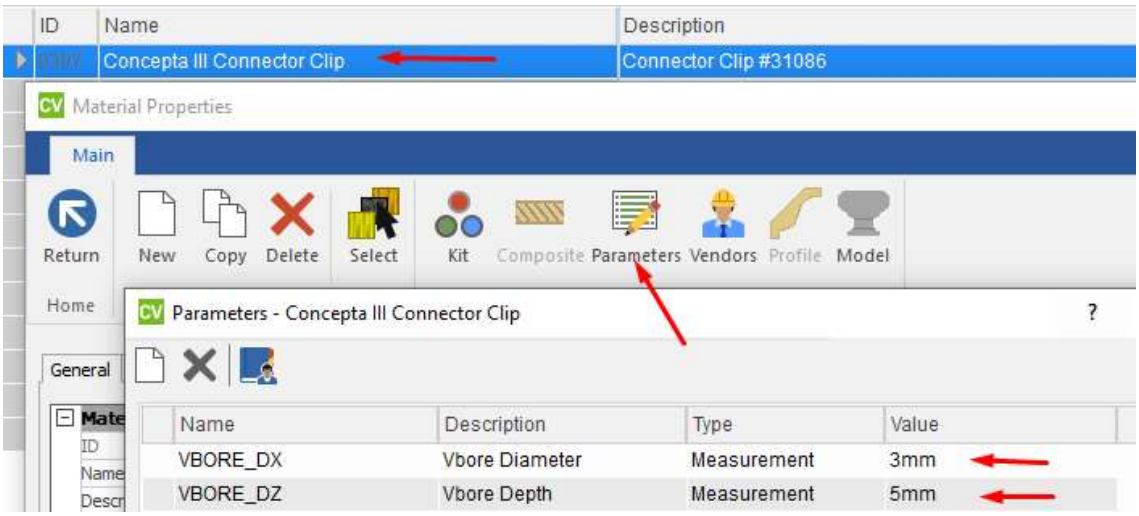
There are material parameters on the materials in the **Components with Drilling** folder to set the drilling diameter and depths

- In the Material Manager, find the **HAWCONCEPTA3 Hawa Concepta III** folder
- Now select the **Components with Drilling** folder:



Name
Concepta III Connector Clip
Concepta III End Stop Bracket (Pull)
Concepta III End Stop Bracket (Push)
Folding Concepta III Center Damper
Folding Concepta III Counter Plate
Folding Concepta III End Stop (Pull)
Folding Concepta III End Stop (Push)
Folding Concepta III Mounting Adapter
Folding Concepta III Push to Open
Folding Concepta III Runner Hinge
Folding Concepta III Securing Clip
Folding Concepta III Stop Buffer

- For each material, right click on it to select its properties.
- In the Properties click the Parameters Menu and change the parameters if required:



- Most of the components use a 3mm diameter x 5mm deep pilot hole, however:
- The **Folding Concepta III Counter Plate** uses 5mm diameter x 9mm deep holes
- The **Folding Concepta III Securing Clip** uses 3mm diameter x 9mm deep holes
- The **Concepta III Door Buffer** uses an 8mm Diameter x 12mm deep hole.
- The **Folding Concepta III Center Damper** and **Folding Concepta III Runner Hinge** have separate parameters for their Cup and Anchor drilling:

Parameters - Folding Concepta III Runner Hinge

Name	Description	Type	Value
CUP_DX	Cup Diameter	Measurement	35mm
CUP_DZ	Cup Depth	Measurement	13mm
ANCHOR_DX	Anchor Diameter	Measurement	3mm
ANCHOR_DZ	Anchor Depth	Measurement	13mm

UCS Public Variables – Track Drilling sizes and Door Route Tool

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



Then click on the **{ DOOR } -- HAWA Concepta III** UCS number 2

- On the top left-hand side of the screen you will see these Public Variables:

Public Variables	
Track Drilling Diameters	3mm
Track Drilling Depths	5mm

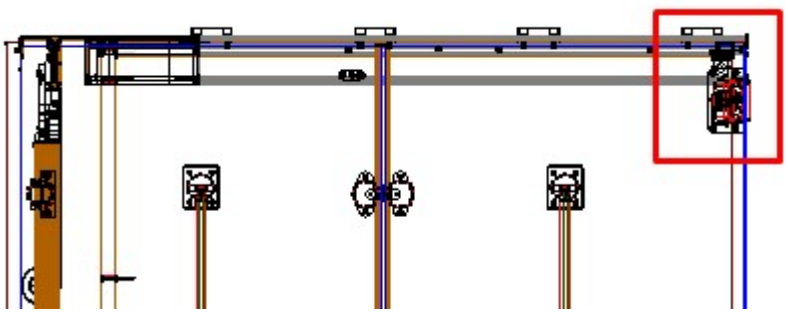
Track Drilling Diameters = Diameter of holes drilled for all front to back running tracks, in ends of the cabinet
Track Drilling Depths = Depth of holes drilled for all front to back running tracks, in ends of the cabinet

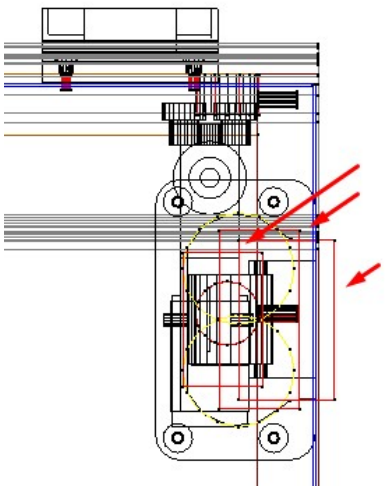
Then click on the **{ DOOR } -- HAWA Concepta III** UCS number 3

- On the top left-hand side of the screen you will see these Public Variables:

Public Variables	
Door Buffers	1
Hinge Door Routes Tool ID	0

Door Buffers = Set the value of the Concepta III door attribute "**_Cncpta3 Door Buffers?"**– (1 = True / 0 = False)
Hinge Door Routes Tool ID = Tool ID for routes required to rebate the Folding Runner Hinge into the folding door top outside edge – back face (leave as zero for auto select) - maximum tool diameter recommended is 10mm





Tools Required

- The drill diameters and router tool IDs you choose in the Material Parameters and 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.

HAWA Concepta III Door Straighteners

User Guide

Please refer to our separate User Guide for the Door Straightener instructions.

Package Exclusions

Some of the items shown in various images contained in this document are not included in the HAWA Straightener Door Straighteners package but come from other packages which are sold separately.

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

See our website for more detailed information on these packages.