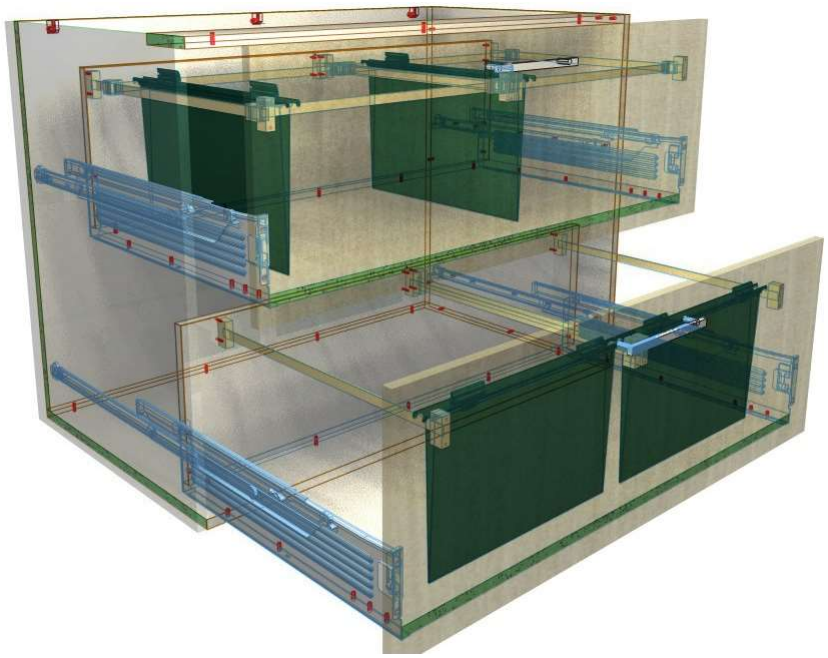
Blum METAFILE User Guide.



Introduction

Overview

- The 'Blum METAFILE Package' from Solid Setup Plus adds the Blum METAFILE File system to Cabinet Vision Solid.
- This system has been written to work with **any size** file holders:
- Most drawer box types can be used including 5 piece drawers, Thin walled metal sided drawers like Metabox or softclose drawer systems like Tandembox or similar.
- The file folder size (and gap between rail centers) is set using attributes
- The default settings are for a Foolscap file holder
- It provides drilling for the Drawer front and Drawer back parts, for CNC output. (You can set all hole diameters an depths)
- It also adds 3d graphics for the rails and brackets etc.
- The parts etc are added as a separate parts and materials for reporting purposes.
- Files can be stacked left to right or front to back depending on available space.
- Two separate Metafile frames can be used for wider drawers.
- Back height and Frame height can be adjusted using attributes.
- Side gaps and center gap for double frames can be adjusted using attributes.
- This system is designed to start with a shallow drawer and extends the back height up, and mounts the front brackets onto the drawer front only – not onto a subfront which would remain at its original size.
- Gallery rails are generally not required when Metafile is active but can still be used if desired.
- If using with our Grass Novapro Drawer system – it can only be used when no galleries are present.

Included in This Package

User Created Standards

The Following UCS is provided

- { DRAWS } -- Blum Metafile -Adds Blum Metafile to Drawer

Library

- CVS Blum.cvc Cabinet Vision Catalog of Blum Library parts

Parts

- DBOX_PART Drawer Guide type part used for Brackets and File Holders
- FILERAIL Drawer Guide type part used for the File Rails

Miscellaneous Materials:

- Metafile Kit #ZRM.5500 Metafile kit with code for ordering
- Metafile Rail (cut size) Metafile material for the Rail (Cutting length shown on reports)
- Metafile T-Joint (hide) Metafile material for the T-Joints (Hidden off our reports)
- Metafile Bracket (hide) Metafile material for the Brackets (Hidden off our reports)
- File holder (hide) Material for the visual file holder (Hidden off our reports)

Metafile Usage

Drawer Requirements.

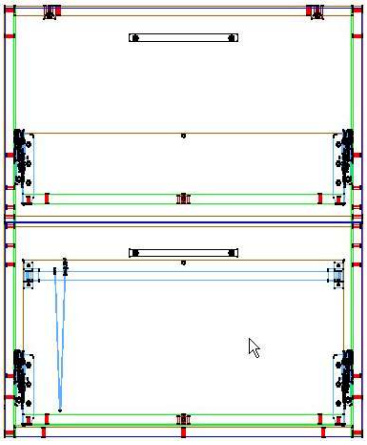
For the Metafile attribute to appear on a drawer box back the following condition must be met:

- Initially, there must be at least 279mm available space between the top face of the drawer box bottom and the top of the drawer front.
- The **"Metafile?"** Attribute will then appear on the Drawer Box Back to switch on Metafile.
- You can only click on the drawer back to see its attributes in the orthographic or "smiley" views

Attributes

- If the **"Metafile?"** attribute is changed to "**True**" the following attributes will appear on the Drawer Box Back, along with the graphical parts. The Drawer box back will increase in height to accommodate the file holder.

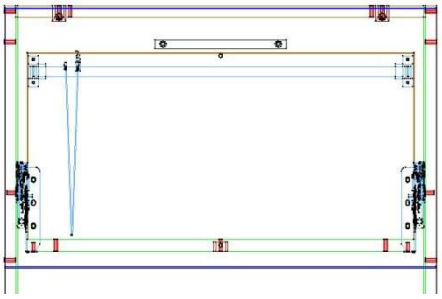
Attributes	
Metafile ?	True
Metafile Bck Hgt	259
Metafile Frame Hgt	254
Metafile Holder Hgt	240
Metafile Rail Gap	385
Metafile Side Inset	2
Metafile Stack L-R?	True
Metafile x2 ?	False

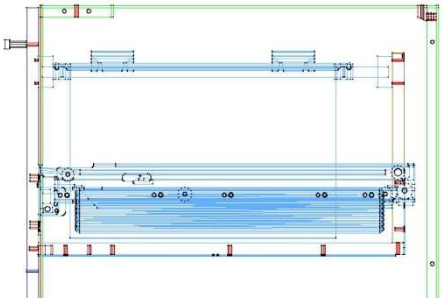


- **Metafile Bck Hgt** This value is the distance from the top of the drawer box bottom to the top of the drawer box back which we set to **259mm**. *(increasing this size will make the drawer box back bigger.)*
- **Metafile Frame Hgt** This value is the distance from the top of the drawer box bottom to the top of the File Brackets which we set to **254mm**. *(Increasing this size will move the Metafile system up.)*
- **Metafile Holder Hgt** This is the height of the visual file holder not including tabs. *(Approximately **240mm** for Foolscap an A4 file holders)*
- **Metafile Rail Gap** The gap between the side file rails when files are stacked front to back or the gap between the front and back rails when the files are stacked left to right. *(For **Foolscap** file holders this should be approximately **385mm**)*
- **Metafile Side Inset** This value is the the distance from each side to the brackets *(only shows if files are stacked Left to Right)*
- **Metafile Stack L-R?** This attribute controls which way the files face. *(See Orientation section below)*
- **Metafile x2 ?** Adds a second Metafile frame to the drawer.
- **Metafile x2 Gap** The gap between the two file frames *(Only shows when "Metafile x2" is true)*

Orientation and Clearances

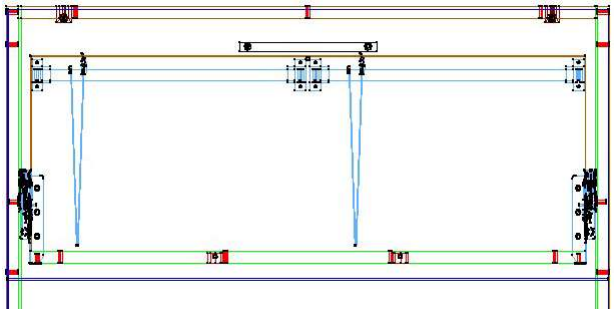
When "Metafile Stack L-R?" is True –

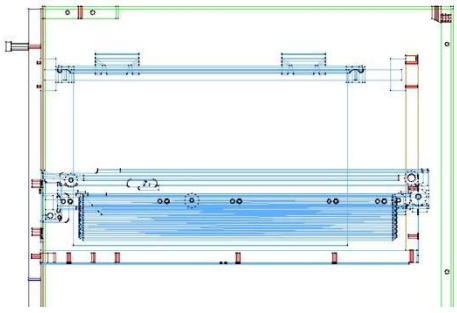




- **The Files stack left to right and hang off a front and back horizontal rail.**
- **The frame spans the full width of the drawer back minus the side insets.**
- **The minimum required gap between the drawer front and drawer back is the "Metafile Rail Gap" plus 64mm *-(The parts won't appear unless the gap is at least this size.)***

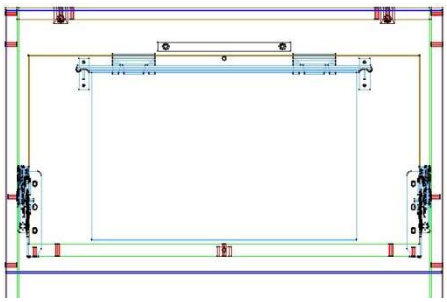
When "Metafile Stack L-R?" is True and "Metafile x2 ?" is True –

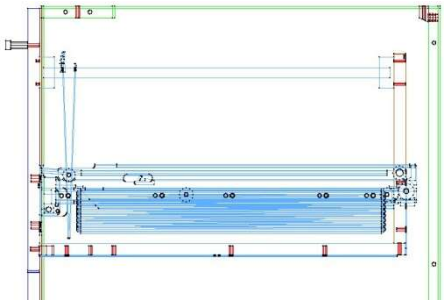




- **The two sets of Files stack left to right and hang off a front and back horizontal rail each.**
- **The two frames span the full width of the drawer back minus the side insets.**
- **The minimum required gap between the drawer front and drawer back is the "Metafile Rail Gap" plus 64mm *-(The parts won't appear unless the gap is at least this size.)***

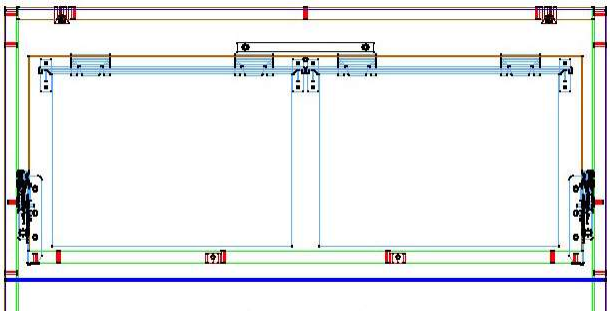
When "Metafile Stack L-R?" is False –

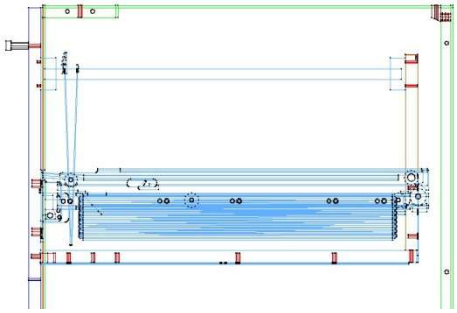




- **The Files stack front to back and hang off the side rails. (There are no horizontal rails)**
- **The frame is only as wide as the rail gap plus 14mm and is centered on the drawer back.**
- **The minimum required width of the drawer back is the "Metafile Rail Gap" plus 20mm. *-(The parts won't appear unless the back is at least this size.)***

When "Metafile Stack L-R?" is False and "Metafile x2 ?" is True –





- **The two sets of Files stack front to back and hang off the side rails. (There are no horizontal rails)**
- **The two frames are only as wide as the rail gap plus 14mm and are centered on the drawer back.**
- **The minimum required width of the drawer back is "Metafile Rail Gap" x 2, plus the "Metafile x2 Gap", plus 20mm.**

Caution

Due care must be taken when using this package –

- Check that the drawer back height you have selected does not interfere with any other parts in the cabinet and that the drawer can still open without obstruction.
- Make sure that if you are using gallery rails that the brackets do not interfere with the Metafile brackets etc.
- Ensure that the file rail sizes you have created are available from your supplier before you output the job, especially if any end up over 600mm long on wide drawers when the folders are stacked left to right – use 2 frames if in doubt.

Drilling Setup

UCS User Definable Variables

There are three User Definable Variables in the **"{ DRAWS } -- Blum Metafile"** UCS.

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



- Then click on the **"{ DRAWS } -- Blum Metafile"** UCS. And press the Edit button shown here:



- Scroll down to find the following section:

```
;************************* USER DEFINABLE VARIABLES*****************************

 U_Metafile_Bck_Brkt_Dia<meas> = Imp(5)          ; Back Bracket Holes Diameter
 U_Metafile_Fnt_Brkt_Dia<meas> = Imp(7)          ; Front Bracket Holes Diameter
 U_Metafile_Fnt_Brkt_Dep<meas> = Imp(3)          ; Front Bracket Holes Depth

;************************* NO USER DEFINABLE VARIABLES BELOW THIS LINE**********************
```

- Edit the **Imp()** values to the diameter and depths you require.
- If you are using imperial sizes simply replace the whole **imp()** with the imperial measurement instead.
- Eg: **Imp(3)** might become **1/8**

Once you have changed these values to your requirements, close the UCS editor and save the changes when prompted.

Tools Required

- The drill diameters you choose in the UCS User Definable 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 items shown in various images contained in this document are not included in the Blum Metafile Package, but come from other packages which are sold separately, as listed here:

- **BLMMBOX** Blum Metabox Visual
- **DRFCAM** Drawer Front Cams
- **HAFARET** Hafele Arrett Bench Clips
- **DRSCRW** Drawer Box Construction Screws

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

See our website for more detailed information on these packages.

Blum Metafile Package Revision List.

Revision List

Rev/Date	Description	Items Affected
0 02/11/2009	First Draft Complete and tested	
1 09/02/2010	Added Library parts and option to switch file direction, Checks drawer size before adding	
	• UCS { DRAWS } -- Blum Metafile	Rev 1
2 12/04/2010	Changed Back Bracket Library parts to have thru holes	
	• UCS { DRAWS } -- Blum Metafile	Rev 2
	• Library CVS Blum.cvc	Library part operations modified
3 12/10/2010	Use Y adjust for back heights so that draws Level Y adj UCS still works	
	• UCS { DRAWS } -- Blum Metafile	Rev 3
4 22/01/2011	Added If S_Room_DFront_Holes != Null to not switch off drawer front holes when attribute doesnt exist	
	• UCS { DRAWS } -- Blum Metafile	Rev 4
5 15/02/2011	Allows for BBT Y position when checking if Metafile will fit, Allows for back/bottom overlays, displays back height as distance from top of bottom to top of back (259)	
	• UCS { DRAWS } -- Blum Metafile	Rev 5
6 14/04/2011	Allows for any size file holder - added U_Metafile_Rail_Gap and U_Metafile_Holder_Hgt attributes - default size is Foolscap	
	• UCS { DRAWS } -- Blum Metafile	Rev 6
	• Library CVS Blum.cvc	Library part operations modified