

CabinetSense Wiki

- [Home](#)
- [32mm System](#)
- [Build History](#)
- [Closet Systems](#)
- [CNC](#)
 - [Cutters](#)
 - [Dado Line vs Pocket Clearing Strategy](#)
 - [Machining Database](#)
 - [Bulk Copy](#)
 - [Cabinet Deck](#)
 - [CNC Layers](#)
 - [Dadoes](#)
 - [Deck Parts](#)
 - [Door Profiles](#)
 - [Drawers](#)
 - [Handles and Knobs](#)
 - [Hinging](#)
 - [Import Drawer Slides](#)
 - [Line Boring](#)
 - [Mechanical Fasteners](#)
 - [Part Shaping](#)
 - [Toolpath Generation for Vectric Software](#)
- [Common Attributes](#)
- [Component Library](#)
- [Components](#)
- [Construction Templates](#)
- [Cutlist Plus Integration](#)
- [Dynamic User Components](#)
- [Elevation and Plan Dimensions](#)
- [Frequently Asked Questions](#)
- [Known Issues](#)
- [Menus](#)
- [Plugins, Programs, and Links](#)
- [Scene and Layer Management](#)
- [Shop and Submittal Drawings](#)
- [Sketchup Tutorials](#)
- [Tips and Tricks](#)
- [Troubleshooting](#)
- [Tutorials](#)
- [Videos](#)

[CabinetSense Wiki](#)


Hinging

Hinging Specification

Hinging									
Hinging									
Template	Hinge	Hinge Pattern	Bottom Position	Bottom Hinge Clip	Top Position	Top Hinge Clip	Max Span	Span Hinge Clip	
► Default	Bifold	Bifold Hinge	85mm	32mm Hinge Clip	[top]-85mm	Top Hinge Clip	9999mm	32mm Hinge Clip	
Default	Blind Corner	Blum 32mm Hinge	85mm	Blind Corner Hinge	[top]-85mm	Blind Corner Hinge C	9999mm	Blind Corner Hinge C	
Default		Blum 32mm Hinge	85mm	32mm Hinge Clip	[top]-85mm	Top Hinge Clip	9999mm	32mm Hinge Clip	
✖									

- Template
- Hinge: The hinge that you are defining the pattern for. This hinge name is the same as the hinge in the Door Component.

Component Op... — □ ×

 **Door**

Handle

Knob

----- Door -----

Doors

Hinge

Extra Hinges

Inset

Opens on

Opening Mechanism

Style

Thickness

Panel Grain Direction

----- Handle -----

Location

Side Margin

Top/Bottom Margin

Handles

Type

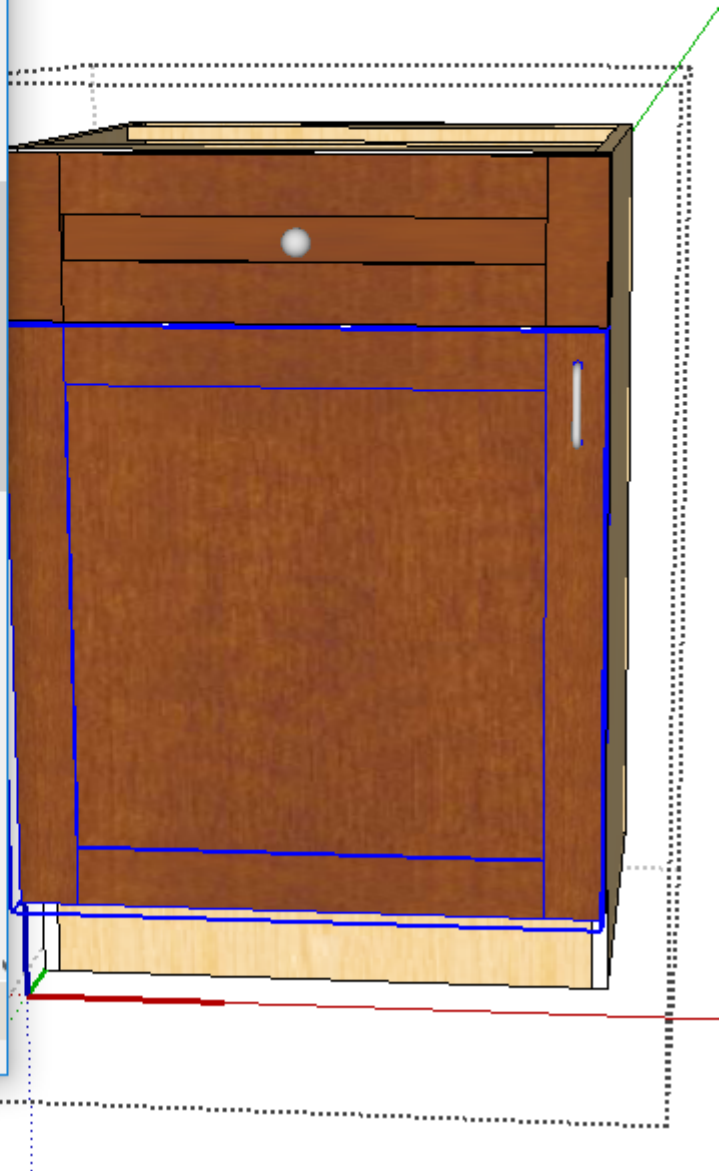
----- Material -----

Material

Type

----- Panel -----

Inset



- CabinetSense will attempt to find machining instructions specific to the hinge that you are using in your component. Failing that, it will use a general definition for a hinge... which is a hinging record that does not have a hinge name.
- Hinge Pattern: The Hinge pattern to be used to drill the holes to accommodate your door hinge. This reference is defined in the Hole Locations sections of the machining Database. If left empty, no door hinge will be machined.
- Bottom Hinge: The center line of the hinge clip will be place at this position. The reference is always from the bottom of the door, unless you use the [top] keyword.

- **NOTE:** Please see the Reserved Words section at the bottom of this page for more options on specifying hinging locations.
- **Bottom Hinge Clip:** This is a reference to a set of drill locations that will be used to drill all the required holes for this hinge clip. This reference is defined in the Parts Locations section of the machining Database.

CNC Layer Names

Dadoes

Mechanical Fasteners

Line Boring

Hinging

Drawers

Cabinet Deck

Handles and Knobs

Door Profile

Bulk Copy

Refresh PStore

About

Hinging
Hinges
Hinge Clips

Hinge Clip

Type Door Hinge Clip ▼

Name 32mm Hinge Clip

Copy...

Delete...

Holes

	Template	X Location	Y Location	Z Location	Diameter	Depth
▶	Default		37mm	16mm	5mm	10mm
	Default		37mm	-16mm	5mm	10mm
*						

- The definition, in this example, will drill two holes. The first holes is 37mm in, and 16mm up (from the hinge clip centerline). The second hold is 37mm in and 16mm down (from the hinge clip centerline). Both holes are 5mm in diameter and will be drilled 10mm deep.
- **Top Hinge:** Same as Bottom Hinge defined above
- **Top Hinge Clip:** Same as Bottom Hinge Clip defined above. In our example, the top hinge clip uses a different specification which is defined as:

CNC Layer Names

Dadoes

Mechanical Fasteners

Line Boring

Hinging

Drawers

Cabinet Deck

Handles and Knobs

Door Profile

Bulk Copy

Refresh PStore

About

Hinging
Hinges
Hinge Clips

Hinge Clip

Type Door Hinge Clip ▼

Name Top Hinge Clip

Copy...

Delete...

Holes

	Template	X Location	Y Location	Z Location	Diameter	Depth
▶	Default		37mm	16mm	5mm	10mm
	Default		37mm	-16mm	5mm	10mm
	Default		54mm	0mm	5mm	10mm
*						

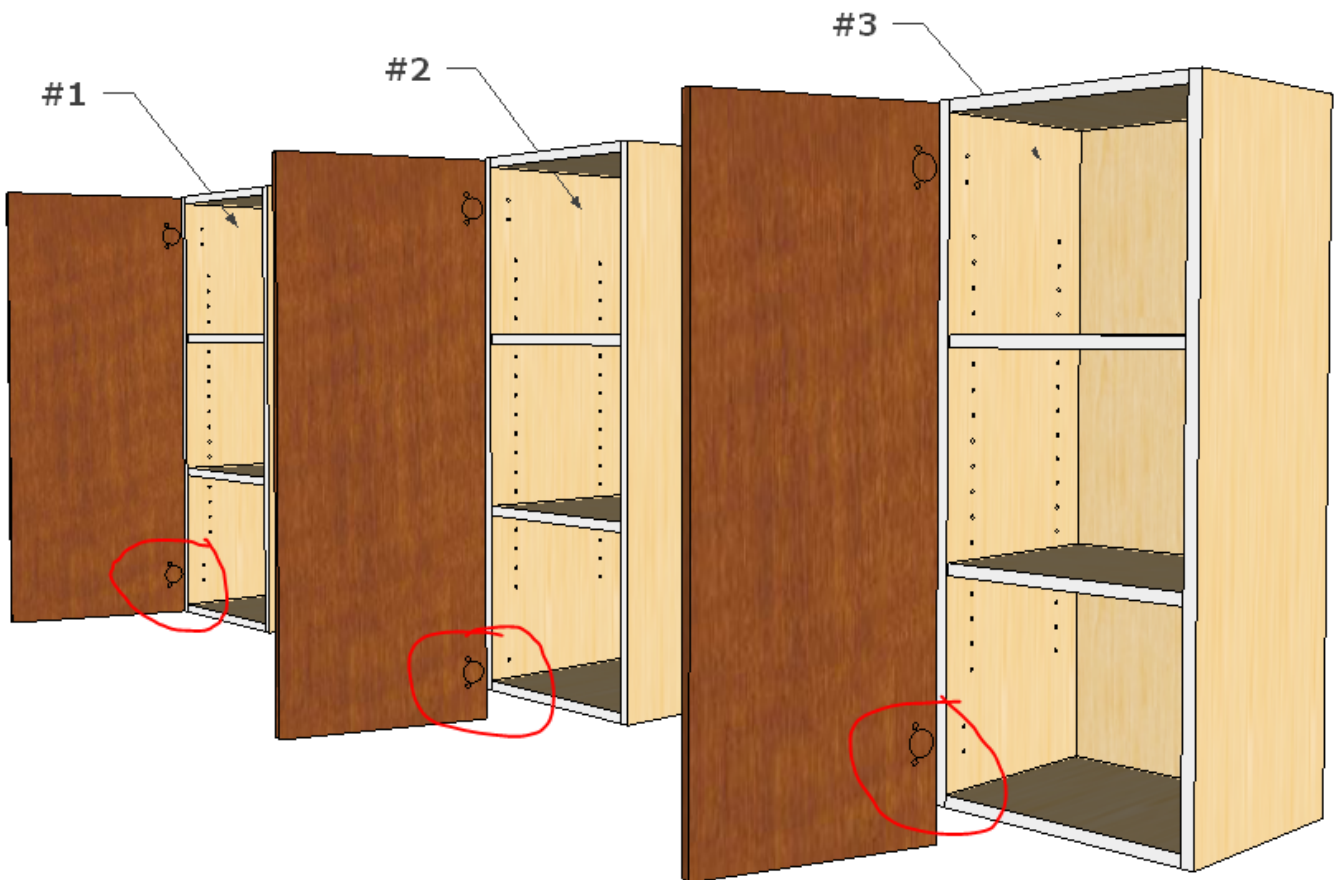
- Notice that this definition drills a third hole at 54mm in and 0mm up (from the hinge clip centerline). The purpose of this 3rd hole is non-functional from the hinge clips perspective, but serves as an alert to the assembler. In the event that you have an unbalanced (32mm) cabinet, the assembler can immediately tell which is the left/right gable by knowing that the hinge clip with 3 holes is always the top of the end.
- **Max Span:** If you would like to automatically place intermediate hinge clips, you can specify the maximum span that is allowed before an additional hinge is drilled. The new hinge clip is placed equi-distant

between neighboring hinge clips. The span distance is measure from center line to center line.

- Span Hinge Clip: Same as Bottom Hinge clip (defined above).

Reserved Words for Hinge Locations

- [neg_reveal_bottom]: This reserved word will contain the absolute value of your bottom reveal **IF** that reveal is negative... otherwise its value is zero.
- [neg_reveal_top]: This reserved word will contain the absolute value of your top reveal **IF** that reveal is negative... otherwise its value is zero.
- It is now possible to have CabinetSense compensate its hinging locations when you use negative reveals to position a door beyond its normal confines.



- In the example above:
- Cabinet #1 has a standard door where it's door is flush with the bottom of the cabinet. The hinging formula for the bottom hinge is 80mm up from the bottom of the door.
- Cabinet#2 uses a negative bottom reveal on its door so the door bottom is 50mm below the bottom of the cabinet. Using the same formula to place the hinging on the door results in a poor placement of the hinge.
- Cabinet#3 is the same as #2 with the exception that its bottom hinge formula is:
 $80\text{mm} + [\text{neg_reveal_bottom}]$.

- CabinetSense will use the bottom reveal value only when it is negative. The value used is always the absolute value. This results in the hinge being placed back in the same position as Cabinet #1
- Here is an example of the hinging formula being declared in the machining database

CNC Layer Names

Dadoes

Mechanical Fasteners

Line Boring

Hinging

Drawers

Cabinet Deck

Handles and Knobs

Door Profile

Bulk Copy

Refresh PStore

About

HingingHingesHinge Clips

Hinging

Template	Hinge	Hinge Pattern	Bottom Position	Bottom Hinge Clip	Top Position	Top Hinge Clip	Max Span	Span Hinge Clip
Default	Bifold	Bifold Hinge	85mm	32mm Hinge Clip	[top]-85mm	Top Hinge Clip	9999mm	32mm Hinge Clip
Default	Blind Corner	Blum 32mm Hinge	85mm	Blind Corner Hinge	[top]-85mm	Blind Corner Hinge C	9999mm	Blind Corner Hinge C
Default		Blum 32mm Hinge	85mm+[neg_rev]	32mm Hinge Clip	[top]-85mm-[n	Top Hinge Clip	9999mm	32mm Hinge Clip
*								

Hinges

CNC Layer Names

Dadoes

Mechanical Fasteners

Line Boring

Hinging

Drawers

Cabinet Deck

Handles and Knobs

Door Profile

Bulk Copy

Refresh PStore

About

HingingHingesHinge Clips

Hinges

TypeDoor HingeCopy...
NameBifold HingeDelete...

Holes

Template	X Location	Y Location	Z Location	Diameter	Depth
Default	12.5mm			35mm	12mm
Default	22mm		22.5mm	8mm	12mm
Default	22mm		-22.5mm	8mm	12mm
*					

The hinge defines the holes to be drilled for one door hinge. The hole locations are specified from the center line position of the door hinge. The center line position for the hinge is defined on the Hinging tab (see Hinging above).

Hinge Clips

CNC Layer Names

Dadoes

Mechanical Fasteners

Line Boring

Hinging

Drawers

Cabinet Deck

Handles and Knobs

Door Profile

Bulk Copy

Refresh PStore

About

HingingHingesHinge Clips

Hinge Clip

TypeDoor Hinge ClipCopy...
Name32mm Hinge ClipDelete...

Holes

Template	X Location	Y Location	Z Location	Diameter	Depth
Default		37mm	16mm	5mm	10mm
Default		37mm	-16mm	5mm	10mm
*					

The hinge clip defines the holes to be drilled for one hinge clip. The hole locations are specified from the center line position of the hinge clip. The center line position for the hinge clip is defined on the Hinging tab.

