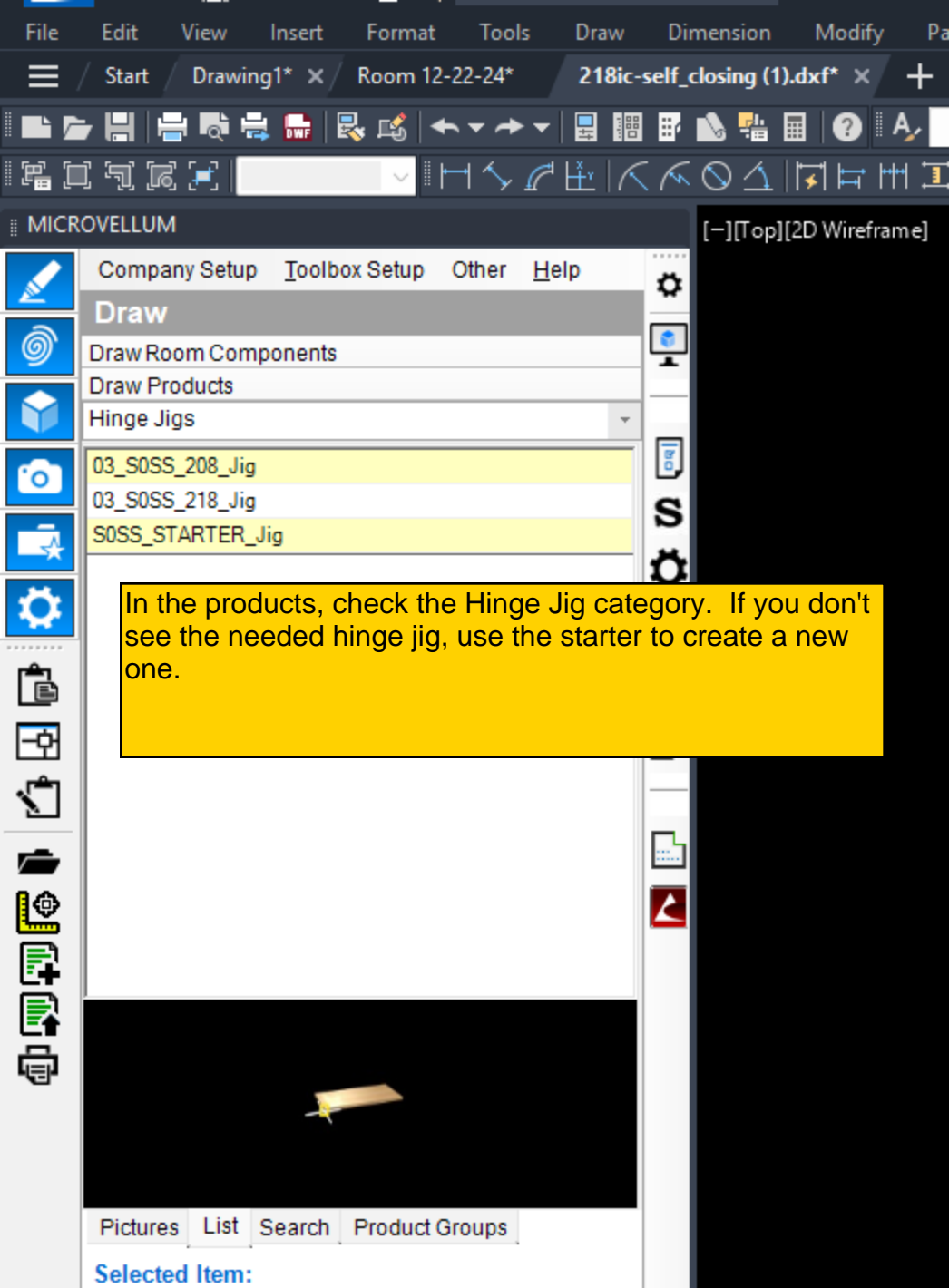# Concealed Hinges/SOSS Style

A concealed hinge that's also known as an invisible hinge because it's hidden from view when a door or cabinet is closed. They are used on passage doors

- Brands
  - SOSS
    - Purchase from www.epivots.com
    - Pros
      - Industry Standard
      - Many color options
      - Door Closer Options
      - Helpful Website - https://www.soss.com/
    - Cons
      - No Adjustment in hinge
  - Startec (Adjustable)
    - purchase from Hafele
  - Tectus (Adjustable)
    - purchase from Hafele
  - Hafele 3-way Adjustable (Adjustable)
    - purchase from Hafele

OCM Rules for hinge templates

- Always make the jig!
- Since concealed hinges are typically 2 depths, 2 jigs are always needed. ID and OD
- Jigs to be the exact size of cutout, cabinet makers will use a template bearing router bit.
- Always use an edge block as a stop
- Modify jigs to layout all hinge cutouts per door (example – 3 hinges cutout for door that gets 3 hinges)
-

[−][Top][2D Wireframe]

MICROVELLUM

Company Setup   Toolbox Setup   Other   Help

Draw

Draw Room Components

Draw Products

Hinge Jigs

03_S0SS_208_Jig
03_S0SS_218_Jig
S0SS_STARTER_Jig

In the products, check the Hinge Jig category. If you don't see the needed hinge jig, use the starter to create a new one.

Pictures   List   Search   Product Groups
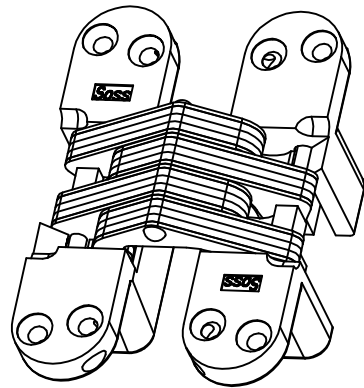
Selected Item:

Cell reference: B19 — `03_S0SS_208_Jig`

L*	Defined Name	Value	Control Type	Help Text	Validation Code	Control Type Data	Number / Dimension	Color	Mirrored Value	Picture	Hide Prompt	Hide On Reports
1	Width	12.0	1	Width of Product								
2	Height	6.0	1	Height of Product							1	1
3	Depth	6.0	10	Depth of Product								
4	Stop On Left	0.0	2									
5	Stop On Right	1.0	3									
6	Material Selection	#2_.75 PB TEMPLATE	70	Select material for part.								
7	Material Thickness	0.75	6									
8	Hinge Tab	0.1543	10									
9	Hinge Outside Length	2.752	10									
10	Hinge Inside Length	1.3438	10									
11	Hinge Width	0.629	10									
12	Center Line Offset	0.4688	10						1			
13	Second Jig Offset	12.0	10						1			
14	OD Plate	1.0	4									
15	OD Stop	1.0	4									
16	ID Plate	1.0	4									
17	ID Stop	1.0	4									
18	Is Buyout	0.0	4	Check box to indicate product or subassembly is a Buyout item. This will cause all parts, edgebanding, and hardware to be considere							1	
19	ProductName	03_S0SS_208_Jig	10									
20	Product Price Total	228.13	6	Total calculated product price. This includes adjustment m	N							1
21	Product Price	151.58	6	Calculated Manufacturing Price for this product based on c	N		1					1
22	Product Price Adjustment	0.0	6	Enter an additional dollar amount to add or remove to the c	N		3					1
23	Product Price Markup	10.0	6	Enter a percentage to add or remove -20|-19|-18|-17|-16|-1	N							1
24	Product Price Overhead	15.16	6	Calculated price for Overhead to add or remove to the ove	N		3					1
25	Product Price Overhead M	10.0	6	Enter a percentage for Overhead to ; -20|-19|-18|-17|-16|-1	N							1
26	Product Price Engineering	13.64	6	Calculated price for Engineering to add or remove to the o	N		3					1
27	Product Price Engineering	9.0	6	Enter a percentage for Engineering t -20|-19|-18|-17|-16|-1	N							1
28	Product Price Manufactur	0.075	6	Enter tax rate value for Manufacturing to be added to prod	N		5					1
29	Product Price Shipping	13.04	6	Calculated price for Shipping to add or remove to the overa	N		3					1
30	Product Price Shipping M	8.0	6	Enter a shipping percentage to add c -20|-19|-18|-17|-16|-1	N							1
31	Product Price Shipping Ta	0.075	6	Enter tax rate value for Shipping to be added to product pr	N		5					1
32	Product Price Install	19.55	6	Calculated price for Install to add or remove to the overall	N		3					1
33	Product Price Install Mark	12.0	6	Enter an install percentage to add or -20|-19|-18|-17|-16|-1	N							1
34	Product Price Install Tax	0.075	6	Enter tax rate value for Install to be added to product price	N		5					1
35	Product Cost Total	183.67	6	Total calculated product cost.		N						1
36	Product Cost Adjustment	0.0	6	Enter an additional dollar amount to add or remove to the c	N		3					1
37	Product Cost Material	50.0	6	Micromanager will calculate and populate this value.		N		3				1
38	Product Cost Material Ma	5.0	6	Enter a percentage for Material to ac -20|-19|-18|-17|-16|-1	N							1

Note (overlay):
Once the starter has been selected, open the edit design data.

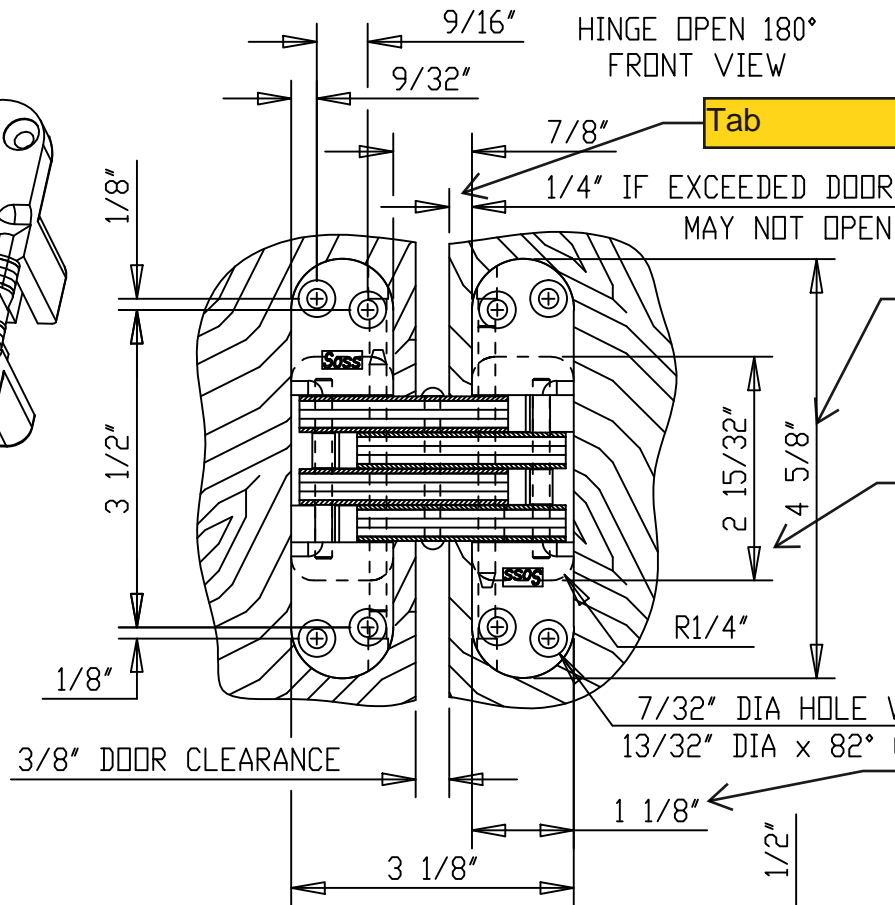Change the noted values with the correct hardware data, see next page

Tabs: CutParts / HardwareParts / Subassemblies / Prompts

Subassembly Save Level Legend
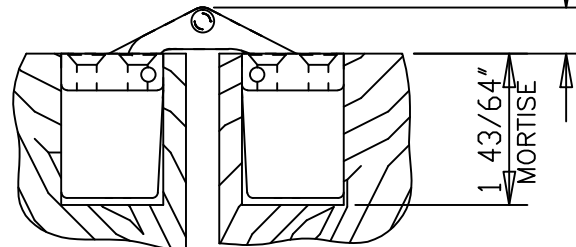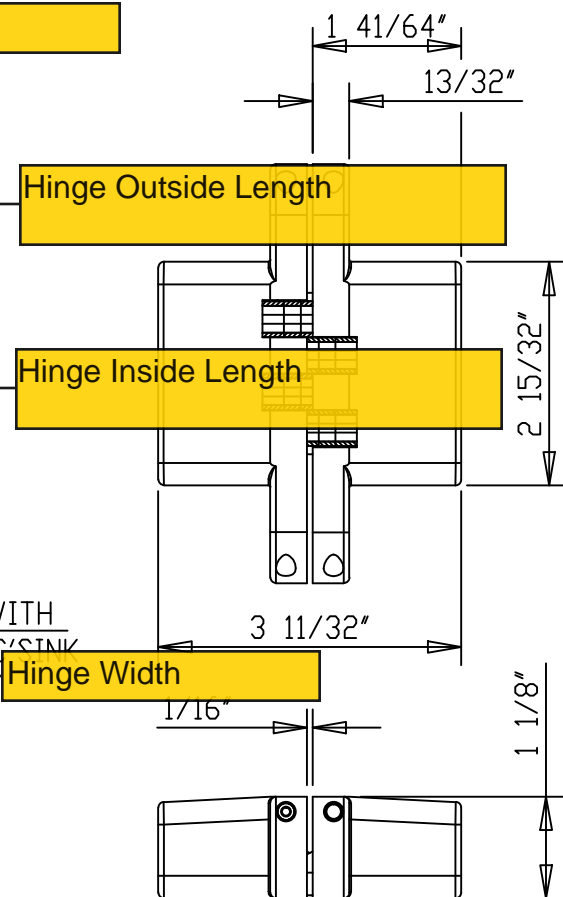Project Level   Unique Row Level   Product Level

[Save & Redraw] [Save & Close] [Save, Close & Redraw] [Close]
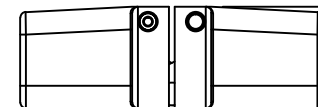
HINGE OPEN 180°
ISOMETRIC VIEW

HINGE OPEN 180°
FRONT VIEW

HINGE CLOSED
FRONT VIEW CUT AWAY

9/16"
9/32"
7/8"
1/8"
3 1/2"
1/8"

Tab

1/4" IF EXCEEDED DOOR
MAY NOT OPEN

2 15/32"
4 5/8"

R1/4"

7/32" DIA HOLE WITH
13/32" DIA x 82° C/SINK

3/8" DOOR CLEARANCE

1 1/8"

3 1/8"

1/2"

Hinge Outside Length

Hinge Inside Length

Hinge Width

1 41/64"
13/32"
2 15/32"
3 11/32"
1/16"
1 1/8"

HINGE CLOSED
TOP VIEW CUT AWAY

HINGE OPEN 180°
TOP VIEW CUT AWAY

1 43/64" MORTISE

SUPPLIED:
WOOD SCREW
#10 x 1-1/2"
SPECIAL ORDER:
MACH. SCREW
#10-24 x 1"

MIN. MATERIAL THICKNESS IS 1-3/4"
DO NOT SCALE DRAWING
ALL DIMENSIONS ARE IN INCH
DOOR CLEARANCE REDUCES TO 1/64" WHILE CLOSING
SEE DWG# 4477-C IF ADDING MATERIAL TO DOOR FACE AND/OR FRAME FACE

HINGE TEMPLATE

#218 SOSS INVISIBLE HINGE

SCALE: 1/2 = 1

DRAWN BY: LHH

DATE: 5/01/11

DRAWING # 218

Then open the 2 plate parts in the Microvellum Draw Part in 2d.

Draw in the correct hinge cutout and place O.C. of the part. Update the parts. Do this for both hinge sizes.

You can now save the new product back to the Microvellum Library for future use.

0.76
0.25
0.75