

# INSTALLATION INSTRUCTIONS

Effective date: June 1, 2023

Supercedes: All Previous

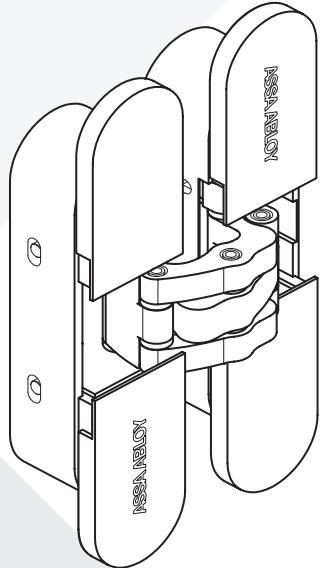
**NOT TO SCALE**

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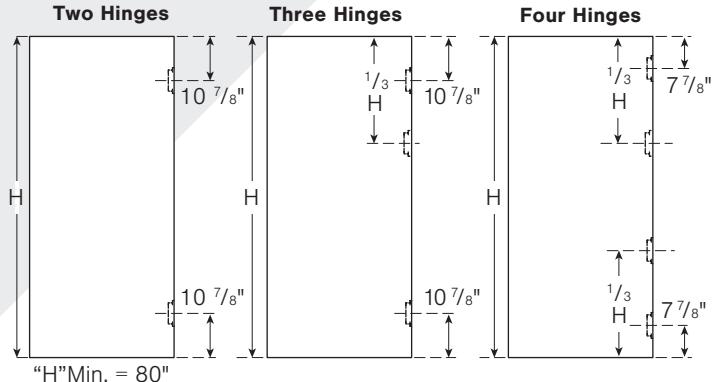
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## MCKINNEY 4001A CONCEALED HINGE 3D ADJUSTABLE



### HINGE ARRANGEMENT



### Load Capacity

See chart for minimum number of hinges required based on correct adjustment (all hinges carrying load), door width and door weight.

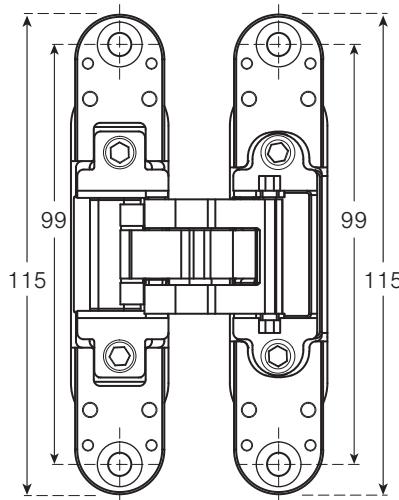
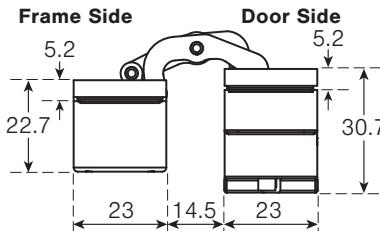
Door height minimum is 80".

Door thickness minimum is 1 1/4".

Note: Hinge spacing does not effect load capacity. The first door should always be checked before preparing more doors, if any.

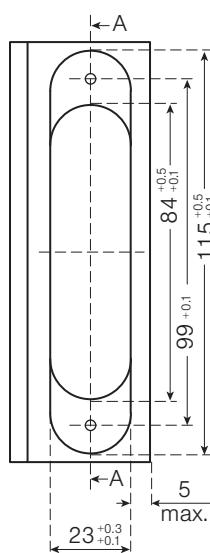
Number of Hinges	Door Width				
	32"	36"	38"	42"	48"
2	138 lbs	130 lbs	123 lbs	112 lbs	97 lbs
3	155 lbs	146 lbs	139 lbs	126 lbs	109 lbs
4	166 lbs	156 lbs	148 lbs	135 lbs	116 lbs

### HINGE DIMENSIONS (MILLIMETERS)

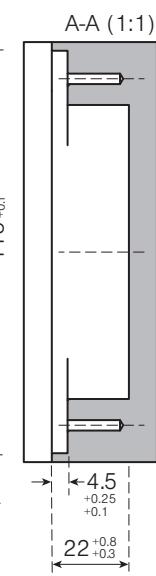


### MILLING DIMENSIONS (MILLIMETERS)

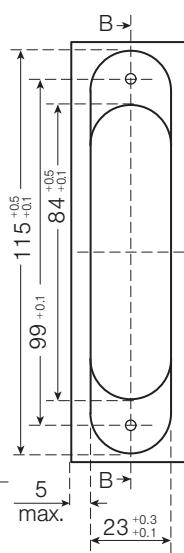
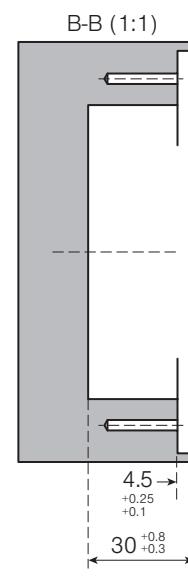
#### Frame Side



#### A-A (1:1)



#### Door Side



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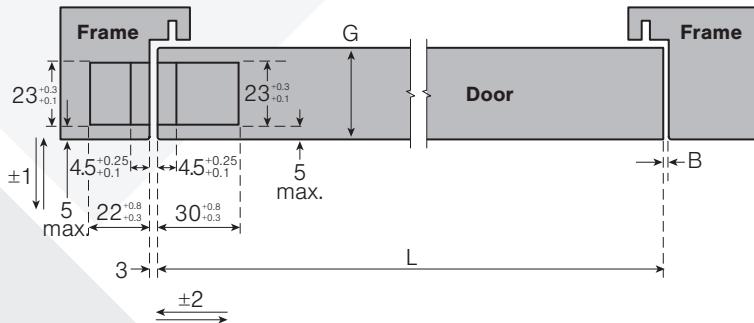
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## NOT TO SCALE

### Hinge Position In Relation to Required Door and Frame Dimensions (millimeter)

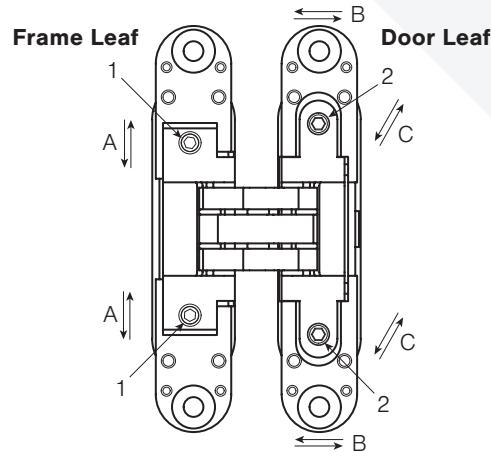


Thickness of Door "G" [mm]	Width of Door "L" [mm]			
	700	800	900	1000
Minimum Gap "B" (mm)				
34	3	2	2	2
40	3	3	2	2
50	3	3	3	2

### INSTALLATION:

1. Insert each hinge section marked "door" into door sockets created in milling. Hinges should be flush against door edge surface.
2. Secure hinge sections with two (2) M5-0.8 x 20 mm metal screws or 35 mm PHWS wood screws provided in screw packet.
3. Set door on frame by inserting each loose hinge section into socket created in milling.
4. Secure each hinge with two (2) M5-0.8 x 20 mm metal screws or 35 mm PHWS wood screws provided in screw packet.
5. Make adjustments.
6. Insert front hinge covers to hide screws.

**Note: Removal of covers should be done carefully.**



### ADJUSTMENT:

Adjustments to hinge are made with a 4 mm Allen wrench. All hinges should carry load for proper installation.

- A. Vertical Adjustment (range  $\pm 2$  mm):  
Make sure that top adjustment screw (1) is even with front surface of hinge. If it is not, unscrew it for this position. Adjust hinge by turning bottom adjustment screw (1) alternately by max.  $1/2$  turn in each hinge until the required position is reached.
- B. Depth Adjustment (Range  $\pm 1$  mm)
- C. Horizontal Adjustment (Range  $\pm 2$  mm)  
Depth adjustment and horizontal adjustment take place simultaneously. Adjust hinge by alternately turning both screws (2). The top and bottom parts of the insert in a given hinge must be screwed equally into the hinge body in both directions.

