

INSTALLATION INSTRUCTIONS

Effective date: September 1, 2026

Supersedes: All Previous

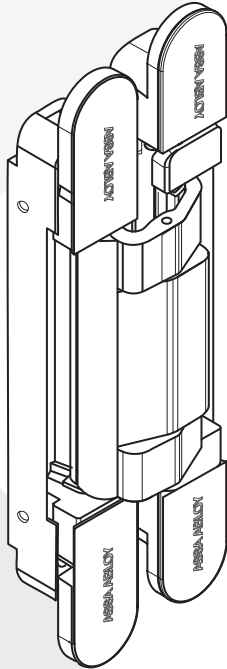
McKinney®

ASSA ABLOY

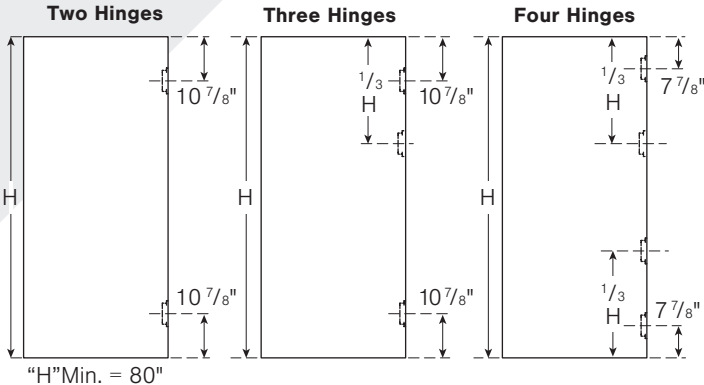
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NOT TO SCALE

MCKINNEY 250 CONCEALED HINGE 3D ADJUSTABLE



HINGE ARRANGEMENT

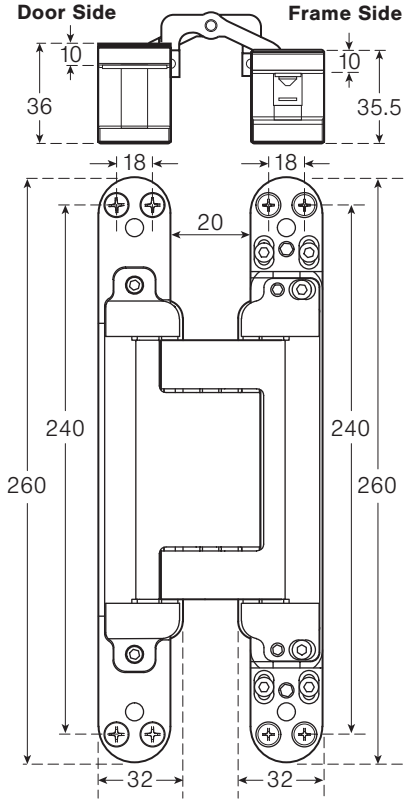


Load Capacity

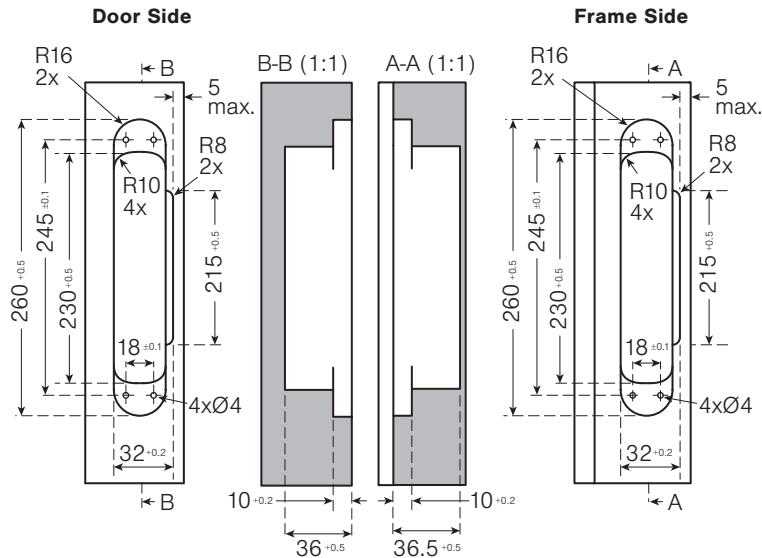
See chart for minimum number of hinges required based on correct adjustment (all hinges carrying load), door width and door weight.
Door height minimum is 80".
Door thickness minimum is 1 1/2".
Note: Hinge spacing does not effect load capacity. The first door should always be checked before preparing more doors, if any. When installing with a door closer, at least 3 hinges are required, and reduce maximum door weight in chart by 30%.

Number of Hinges	Door Width			
	32"	36"	42"	48"
2	366 lbs	551 lbs	463 lbs	407 lbs
3	686 lbs	620 lbs	523 lbs	458 lbs
4	763 lbs	689 lbs	580 lbs	509 lbs

HINGE DIMENSIONS (MILLIMETERS)

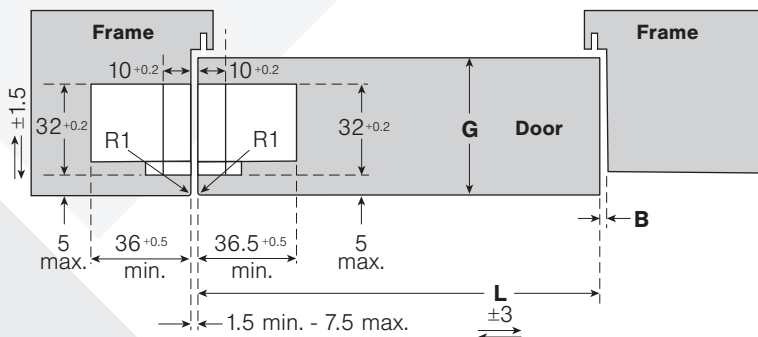


MILLING DIMENSIONS (MILLIMETERS)



NOT TO SCALE

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

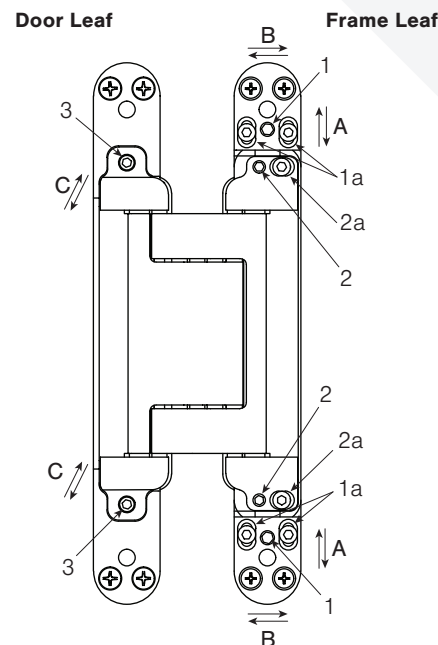


"G" Thickness of Door	"L" Width of Door			
	32"	36"	42"	48"
	"B" Minimum Gap (mm)			
1 3/4"	4	4	3	3
2"	5	4	4	4
2 1/4"	5	4	4	4

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 four (6) M5-0.8x20mm metal screws or 35mm 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 four (6) M5-0.8x20mm metal screws or 35mm 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 4mm Allen wrench. *All hinges should carry load for proper installation.*

- A. Vertical Adjustment** adjusts door up and down in frame (range +/- 3mm):
 - Loosen all blocking screws (1a) and unscrew top adjustment screw (1) until even with front surface of hinge.
 - Adjust by turning bottom adjustment screws (1). Alternate between hinges, max half turn at a time.
 - After adjusting, tighten all blocking screws (1a).
- B. Depth Adjustment** adjusts door in and out of frame (range +/- 1.5mm):
 - Loosen both blocking screws (2a).
 - Adjust by turning eccentric pins (2). Eccentric pins must be set in the same position.
 - After adjusted, tighten all blocking screws (2a).
- C. Horizontal Adjustment** adjusts door left and right in frame (range +/- 3mm):
 - Adjust by turning adjustment screws (3).
 - Ensure both screws are adjusted evenly in the insert.