

INSTALLATION INSTRUCTIONS

Effective date: July 1, 2024

Supercedes: All Previous

McKinney

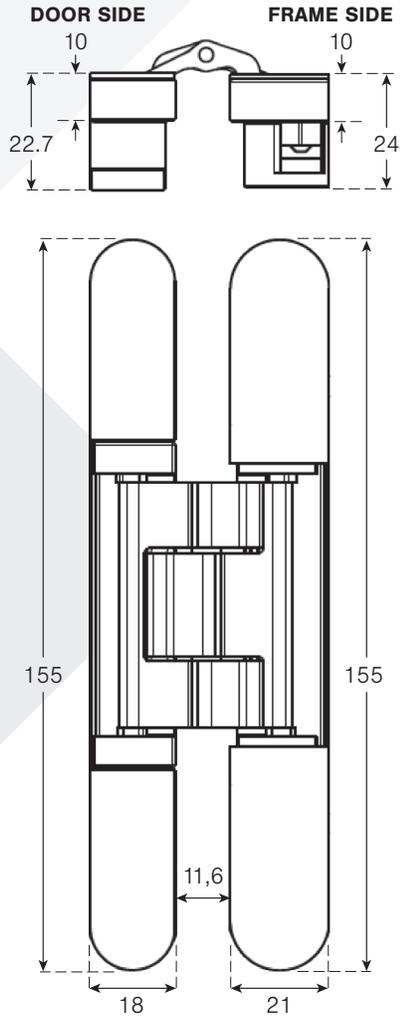
ASSA ABLOY

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NOT TO SCALE

MCKINNEY MK1821A REVERSIBLE CONCEALED HINGE 3D ADJUSTABLE

HINGE DIMENSIONS (MILLIMETERS)

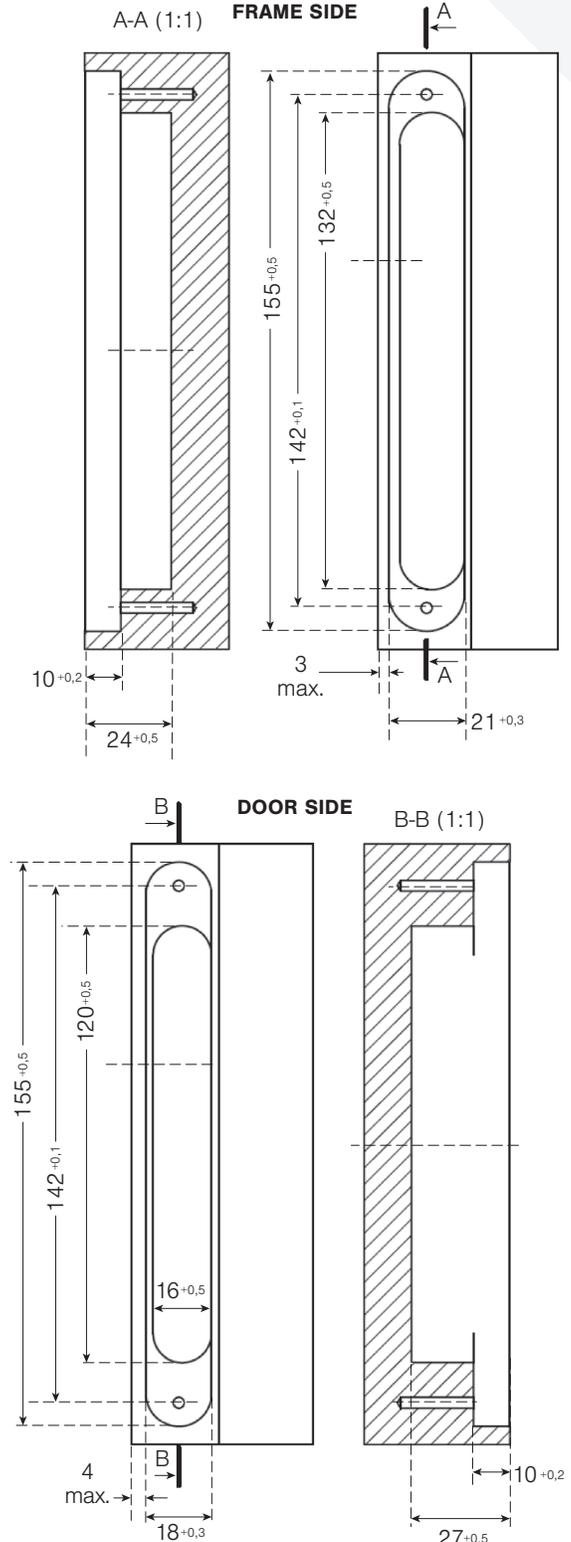


LOAD CAPACITY

With correct adjustment (all hinges carrying the load), the suggested admissible weight of a door depending on the number of hinges and the door width, at the wing height of 78^{3/4}" minimum has been presented in the table. The first door should always be checked.

Number of Hinges	Door Width			
	27.5"	32"	36"	40"
2	227 lbs	198 lbs	176 lbs	158 lbs
3	253 lbs	220 lbs	198 lbs	178 lbs
4	285 lbs	249 lbs	220 lbs	198 lbs

MILLING DIMENSIONS (MILLIMETERS)

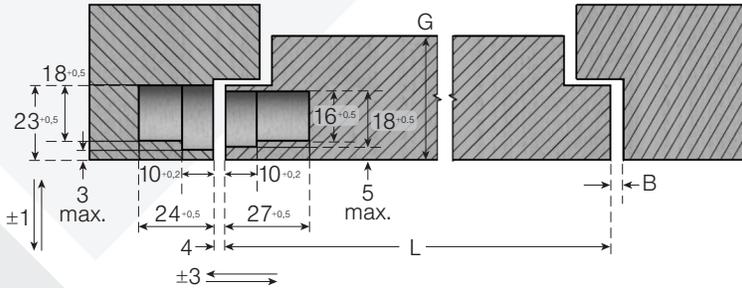


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Position of the hinge in relation to the required dimensions of the door and the frame.



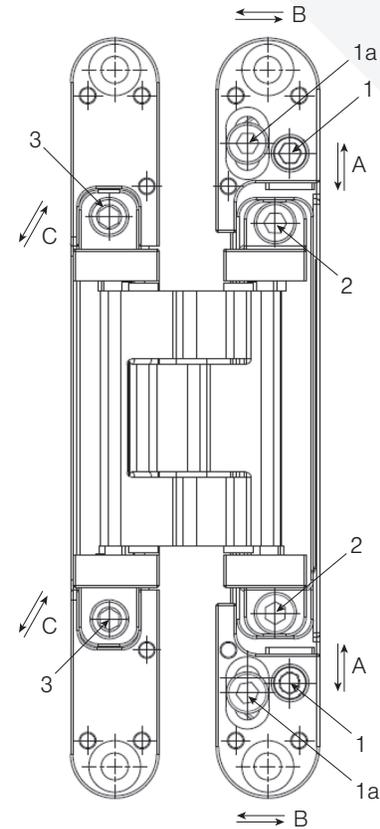
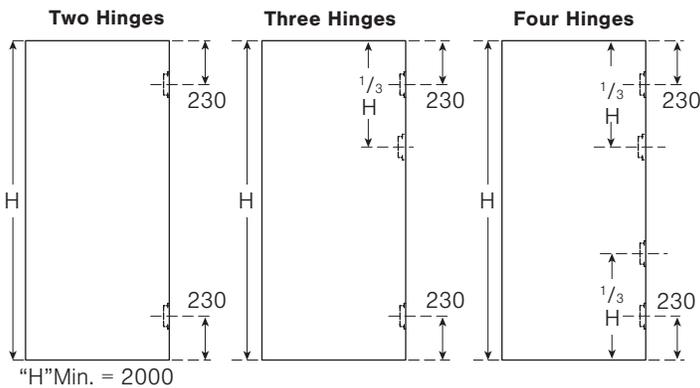
Thickness of Door "G" [mm]	Width of Door "L" [mm]			
	700	800	900	1000
	Minimum Gap "B" (mm)			
30	3	2	2	2
40	3	2	2	2
55	3	3	2	2

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 d.5 x min. 35 mm metal screws.
3. Set door on frame by inserting each loose hinge section into socket created in milling.
4. Secure each hinge with two d.5 x min. 35 mm metal screws.
5. Make adjustments.
6. Insert front hinge covers to hide screws.

Note: If you need to remove the front covers, it should be done carefully.

HINGE ARRANGEMENT



ADJUSTMENT

To make adjustments will be needed 4 mm Allen key. Adjustment is correct when all hinges carrying the load. Make adjustments in all hinges.

A – vertical adjustment – range ± 3 mm

Loosen all blocking screws (1a) in all hinges and make sure that the top adjustment screw (1) is flush with the front surface of the hinge - if not unscrew it for this position. Adjust all hinges by turning bottom adjustment screws (1) alternately by max. $\frac{1}{2}$ of a turn. After finished adjustment tighten all blocking screws (1a) with a maximum torque 9 Nm.

B – depth adjustment – range $\pm 1,5$ mm

Loosen both blocking screws (2) and adjust the hinge into the correct depth. After finished adjustment tighten both blocking screws (2) with a maximum torque 9 Nm. The hinge insert must be set evenly.

C – horizontal adjustment – range ± 3 mm

Adjust the hinge by turning alternately of both screws (3). The screws must be screwed in evenly in the insert.