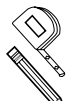


Full Mortise units are designed mainly for new doors and frames, and are applied so as to conceal both leaves. In retrofit applications, the door width must be reduced for proper clearance as shown in Figures A & B (below).



1. With the hinge leaves open, position the hinge against the frame rabbet. Be sure the leaf alignment flange is tight against the face of the frame. Allow 1/8" between the frame header and the top of the hinge leaf for door clearance. Mark and drill the top two holes per Drill Size Chart (below). (**Do not install**).



2. Position the door leaf of the hinge on the door. Be sure that the door leaf alignment flange is seated along the full length of the door edge, and the top edge of the door leaf is flush with the top edge of the door. Mark and drill all holes per Drill Size Chart. Thread tapping not required.



3. Screw the door leaf portion of the hinge to the door using the 12-24 x 7/16" thread forming screws. (Use wax or soap on screws to aid installation.)
4. Position the door at 90° to the frame. Install the top two screws in the frame leaf.
5. Close door and inspect for proper clearance and fit. Make adjustments as required due to improper frame installation if necessary to ensure proper operation of the complete assembly.
6. Mark and drill remaining frame leaf holes per Drill Size Chart, and install remaining screws.
7. Special Patented FirePins™ (U.S. Patent Number 5,492,208) are required on 3 hour (A-Label) assemblies. (See next page for instructions).

Shortening the Hinge:



If the PemkoHinge™ must be shortened, cut the bottom only using a chop saw. This will allow metal chips to work out after the installation. Although the PemkoHinge™ is not handed, the hinge becomes handed after cutting and the cut edge must be installed at the bottom of the opening.

Drill Size Chart:

MATERIAL	THICKNESS	DRILL SIZE
Aluminum	.090 - .140	13
Metal	20 gauge	17
Metal	16-18 gauge	15
Metal	12-14 gauge	13
Wood	N/A	5/32"

Figures:

Figure A

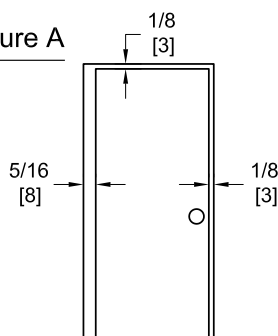
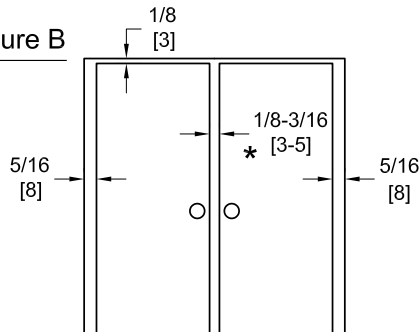


Figure B



* Allow extra clearance as required per astragal manufacturer.