



FM-3500 Installation Instructions

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All holes in the door and frame must be drilled correctly and fasteners properly installed. Failure to use the fasteners supplied by Markar Architectural Products, Inc. will void the UL or WHI fire rated listing.

The Universal Screw Pack contains standard machine screws. Optional MP-39 Torx pin security screws are also available.

- (1) Place hinge on frame as shown in Figure 1 on the other side of these instructions.
 - Allow 1/8" between top of hinge and underside of header.
 - Refer to template on opposite page for proper clearances between hinge and stop.
- (2) Mark all the hole locations on the door jamb with the hinge held firmly in place.
- (3) Center punch each hole. The use of the Markar MT-806 center punch can help center the hole so that the fasteners will enter straight. The taper on the tool sits in the countersunk hole on the hinge.
- (4) Drill all the holes using a #16 bit.
- (5) Tap the holes for a 12-24 thread.
- (6) Place the hinge on the edge of the door. Carefully line up the hinge with the top and back edges of the door.
- (7) Mark all the hole locations on the door with the hinge held firmly in place.
- (8) Center punch each hole.
- (9) Drill all the holes using a #16 bit.
- (10) Tap the holes for a 12-24 thread. Attach the hinge to the door with 12-24x1/2" flat head undercut machine screws.
- (11) Attach the hinge to the frame using the 12-24x1/2" flat head undercut machine screws.
- (12) Close the door and check for proper alignment.
 - If the door requires adjustment for proper fit, make this adjustment by loosening screws on the frame leaf and shimming where needed.
 - Hospital tips on hinges should be placed on the top of the door.