



**Trademark
HARDWARE**

MARKAR FM3500

INSTALLATION INSTRUCTIONS

Step 1: Frame Preparation:

1. Place the hinge frame leaf on the frame. Position the top of the hinge 1/8" maximum below the header as shown (Fig.1). Place the hinge firmly against the rabbet of the frame.

2. Mark and center punch each hole on the frame with the hinge held firmly in place. For ease of installation, a center punch can help center the hole so that the fasteners will enter straight. Remove the hinge from the frame and prepare to drill the frame.

3. Drill holes:

Wood frame: Drill all holes using a #28 or 9/64" drill bit.

Hollow Metal frame: Drill all holes using a #16 drill bit. If hollow metal frame is reinforced, thread all holes with 12-24 tap

Do not attach the hinge to the frame at this time.

Step 2: Door Preparation

1. Position the hinge door leaf so that the top of the hinge is flush with the top of the door. Next make sure the hinge edge is up flush with the door face.

2. Mark and center punch each hole on the door with the hinge held firmly in place (Fig.2). Remove the hinge from the door and prepare to drill the door.

3. Drill holes:

Wood Doors: Drill all holes using a #28 or 9/64" drill bit.

Hollow Metal Doors: Drill all holes using a #16 drill bit. If hollow metal door is reinforced, thread all holes with 12-24 tap.

Step 3: Hinge Installation

1. Attaching hinge to door (Fig.3)

Wood: Attach hinge using #12-8 x 1 1/2" Flat Head Particle Board Screws (PBS12150SP10SS).

Hollow Metal: Attach hinge using #12-24 x 7/16" Flat Head Undercut Machine Screws (MS1244SP10SS).

ALL HOLES IN THE DOORS AND FRAMES MUST BE DRILLED CORRECTLY AND FASTENERS PROPERLY INSTALLED. FAILURE TO USE THE FASTENERS SUPPLIED BY OUR MANUFACTURER WILL VOID THE UL OR WHI FIRE RATED LISTING.

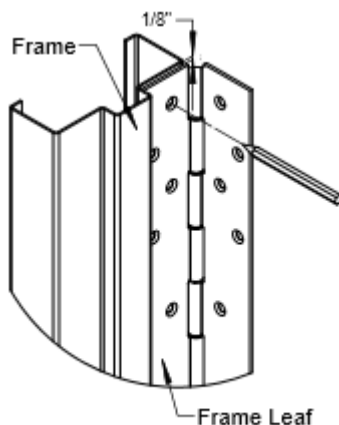


Fig. 1

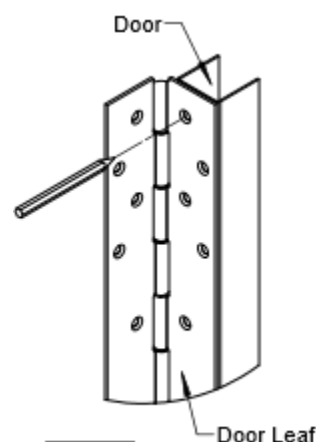


Fig. 2

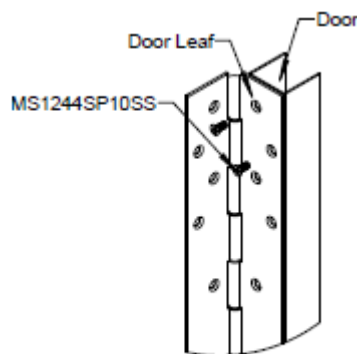


Fig. 3

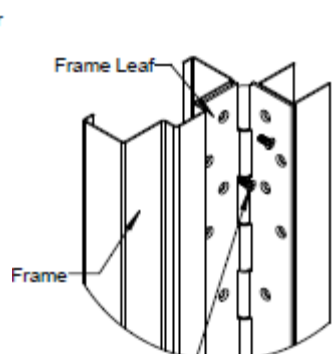
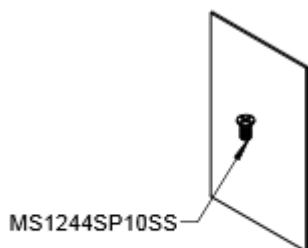


Fig. 4



MS1244SP10SS

Standard Screw Pack
MS1244SP10SS24

(3) PER ASSEMBLY FOR 10'
(2) PER ASSEMBLY ALL OTHERS

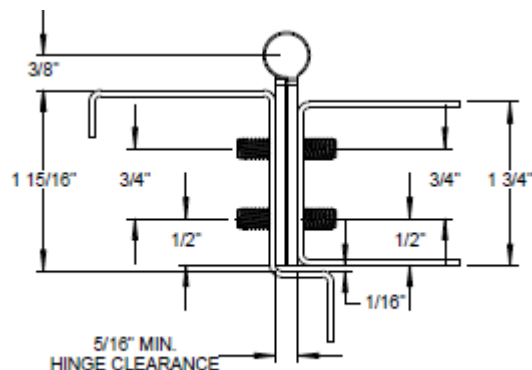


FIGURE 5: HINGE PLACEMENT & CLEARANCE TEMPLATE

**Trademark
HARDWARE**

148 Horton Drive, Suite B
Monsey, NY 10952

Phone: 845-388-1300
Fax: 845-367-4657

www.TMHardware.com
sales@tmhardware.com