

MARKAR HG311 HINGE INSTALLATION

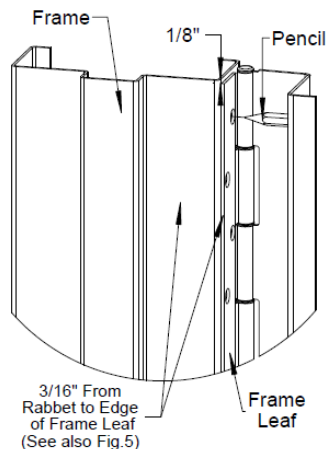


Fig. 1

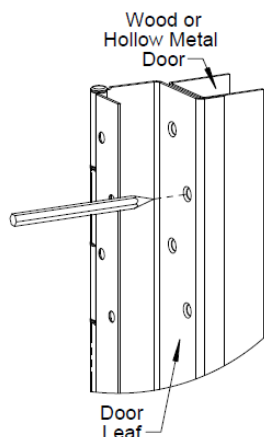


Fig. 2

STEP 1. Frame Preparation

1. Place the hinge frame leaf on the frame face. Position the top of the hinge 1/8" maximum below the header. Place the hinge firmly against the face of the frame. Position the frame leaf edge 3/16" from rabbet as shown in (Fig. 1 & 5).
2. Mark the top and bottom two hole with the hinge held firmly in place. Remove the hinge. A center punch can help center the hole so that the fasteners will enter straight. Prepare to drill the frame.
3. Drill Holes:
Wood Frame: drill holes using a #28 or 9/64" drill bit.
Hollow Metal frames: drill holes using a #16 drill bit.
• If hollow metal frame is reinforced, thread all holes with 12-24 tap.

4. Install hinge with the four screws:
Wood: Attach hinge using #12 x 1-1/2" Flat Head Undercut Particle Board Screws (PBS12150SP10SS).

Hollow Metal: Attach hinge using #12-24 x 11/16" Flat Head Undercut Self Drilling Machine Screws (TKS1267SP10SS).

5. Mark remaining mounting holes, remove hinge and repeat step 3.

Do not install the hinge to the frame at this time

STEP 2. Door Preparation

1. Place the hinge door leaf on the edge of the door. Position the top of the hinge flush with the top of the door. (Fig. 2)
2. Mark and center punch each hole on the door with the hinge held firmly in place. Remove the hinge from the door and prepare to drill the door.
3. Drilling Doors:

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 the hollow metal door is reinforced, thread all holes with 12-24 tap.

STEP 3. Hinge installation

1. Attaching hinge to door:

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

Hollow Metal: Attach hinge using #12-24 x 11/16" Flat Head Undercut Self Drilling Machine Screws (TKS1267SP10SS).

2. Attaching hinge to frame (Fig. 4)

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

Hollow Metal: Attach hinge using #12-24 x 11/16" Flat Head Undercut Self Drilling Machine Screws (TKS1267SP10SS).

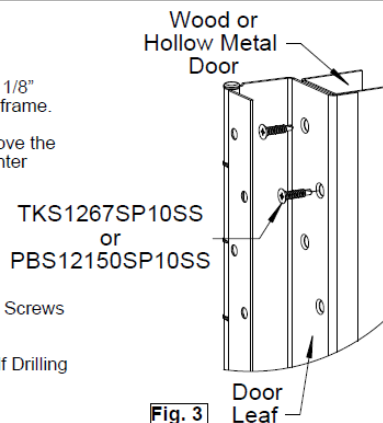


Fig. 3

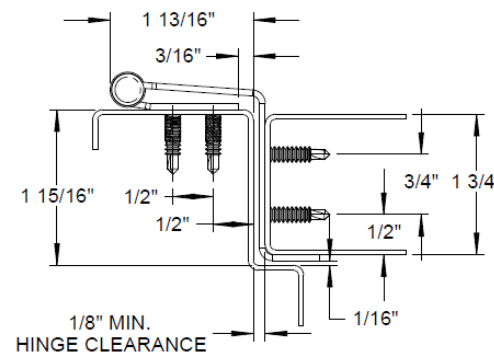


FIGURE 5: HINGE PLACEMENT AND CLEARANCE TEMPLATE

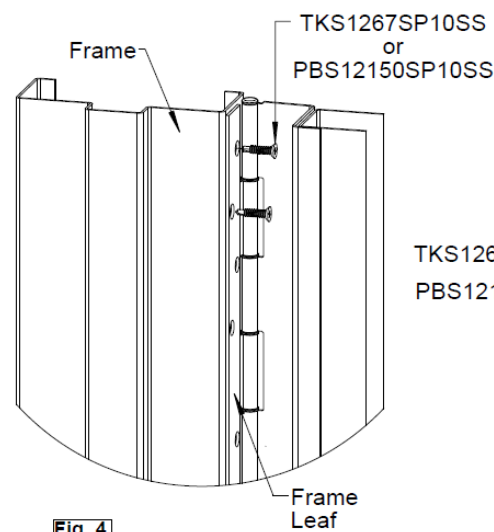


Fig. 4

TKS1267SP10SS
PBS12150SP10SS

**SURFACE SCREW PACK
KMPSS**
(2) Per Assembly for 10'
(1) Per Assembly All Others

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.