



# HG-306 Installation Instructions

**Markar Architectural Products, Inc.** a subsidiary of Adams Rite Manufacturing Co.  
260 Santa Fe Street, Pomona, CA 91767

Phone: 800-872-3267 Fax: 800-232-6752

[www.markar.com](http://www.markar.com)

All holes in the hinge 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.

**Do not** install Snap-On cover until installation is 100% complete, and all aspects of the assembly are correctly fastened and properly fitted.

The Universal Screw Pack contains sheet metal, machine, and self-drilling screws for the door. This allows three different installation options. If mounting to a wood or unreinforced hollow metal door, follow option (A) in the instructions. Follow option (B) if the door is reinforced or at least 1/8" thick. If you use the self-drilling Tek screws follow option (C).

- Perform each step of these instructions unless specifically labeled (A), (B), or (C).

(1) Place the hinge on the edge of the door as shown in Figure 1 on the other side of these instructions. Carefully line up the hinge with the top and back edges of the door. Check handing.

(2) Mark all the hole locations on the door 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) (A)&(B) Drill all the holes using a #25 bit.

(5) (A) Attach the hinge to the door with #10 x 1 1/4" flat head undercut sheet metal screws.  
OR

(5) (B) Tap the holes for a 10-24 thread. Attach the hinge to the door with 10-24 x 1/2" flat head undercut machine screws. OR

(5) (C) Attach the hinge to the door with #10 x 1/2" flat head undercut self-drilling Tek screws.

(6) Place the door into the frame.

- Place shims under the door to provide 1/8" clearance between the header and the top of the door.
- Add shims at both the hinge and latch side of the door so that 1/8" clearance will be maintained on the lock side of the door.

(7) Fold the frame leaf over the face of the frame, mark the position of the top and bottom holes with a center punch, then drill and fasten with the self-drilling Tek screws.

(8) After the top and bottom screws are installed, drill and fasten the balance of the holes.

(9) Install at least five cover clips by passing a screw through the clip, hinge leaf and frame. (See Figure 2.)

- Markar recommends that clips be positioned in the top, center and bottom holes, with the remaining two clips spaced equally along the length of the hinge.

(10) Close the door and check for proper fit, make this adjustment by loosening screws on the door leaf and shimming where needed.

(11) When installation is complete install the Snap-On cover.

(12) Engage the side of the cover next to the hinge pin first.

(13) Insert a large screwdriver between the hinge knuckle and the cover. Using the screwdriver as a lever, twist it and snap the opposite side of the cover onto the clip.

(14) Start at the top and work downward until the entire length of the cover is firmly engaged.

(15) With the cover firmly in place, secure it at both ends through the hinge and into the frame with #8 x 3/4" self-drilling flat head Tek screws.