

Architectural Door Accessories

ASSA ABLOY

Markar HG326 Installation Instructions

The global leader in
door opening solutions

PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE BUILDING AND LIFE SAFETY CODES

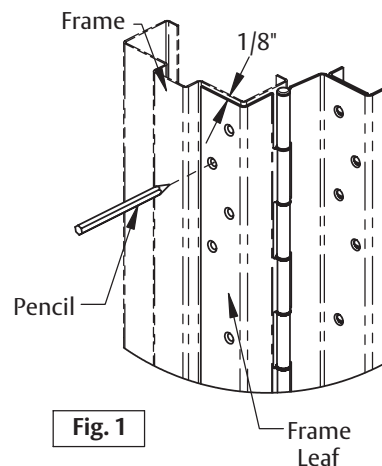
All holes in door and frame must be drilled correctly and fasteners properly installed. Failure to use fasteners supplied by Markar Architectural Products will void UL or WHI fire rated listing.

1. Frame Preparation

- A. Place hinge frame leaf on frame. Position top of hinge $\frac{1}{8}$ " maximum below header as shown (Fig. 1 & 2). Place hinge firmly against face of frame.
- B. Mark and center punch each hole on frame with hinge held firmly in place. For ease of installation, a center punch can help center hole so that fasteners will enter straight. Remove hinge from frame and prepare to drill frame.
- C. Drill Holes:

Wood Frame: Drill all holes using a $\frac{5}{32}$ " 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 install hinge to frame at this time.

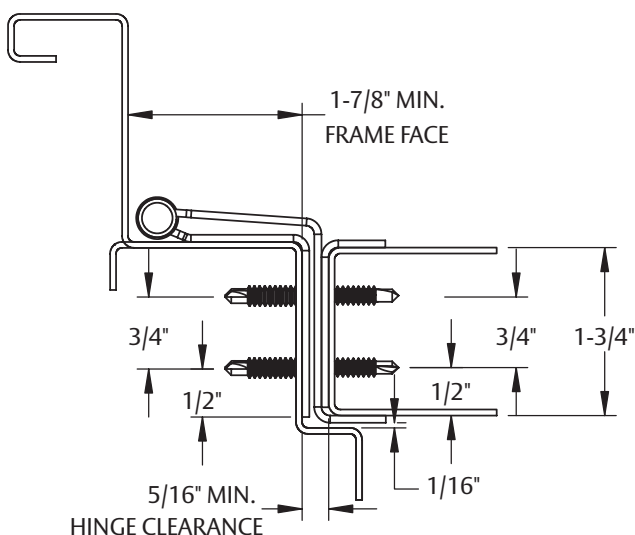
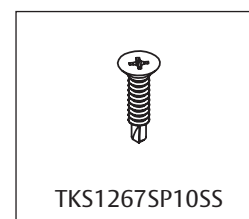


Fig. 2 HINGE PLACEMENT & CLEARANCE TEMPLATE
(NON ADJUSTABLE APPLICATION SHOWN)



Standard Screw Pack
KMPSS
(2) Per Assembly for 10'
(1) Per Assembly All Others

2. Door Preparation

A. Place hinge door leaf on edge of door. Position top of hinge flush with top of door (Fig. 3).

B. Mark and center punch each hole on door with hinge held firmly in place. Remove hinge from door and prepare to drill door.

C. Drilling Doors:

Non Adjustable Hinge

Wood Doors: Drill all holes using a $\frac{5}{32}$ " 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.

Adjustable Hinge (If using Adjust-A-Screw™)

Wood Doors:

1. Drill all holes using a $\frac{5}{32}$ " drill bit then enlarge holes to $\frac{5}{16}$ " with a minimum depth of $1\frac{3}{8}$ ".
2. Insert Adjust-A-Screws into every hole.
3. Place a $\frac{7}{32}$ " Allen wrench in opening of Adjust-A-Screw and turn Adjust-A-Screw into hole while keeping screw properly aligned (Fig 4).
4. Drive all Adjust-A-Screws in until approximately $\frac{1}{8}$ " from edge of door. (*Adjust-A-Screw will self tap*)

Hollow Metal Doors:

1. Drill all holes using a #16 drill bit then enlarge holes with a $\frac{5}{16}$ " drill bit.
2. Thread all holes with 3/8-16 tap.
3. Insert Adjust-A-Screws into every hole.
4. Place a $\frac{7}{32}$ " Allen wrench in opening of Adjust-A-Screw and turn Adjust-A-Screw into hole while keeping screw properly aligned (Fig 4).
5. Drive all Adjust-A-Screws in until approximately $\frac{1}{8}$ " from edge of door.

Note: It is not necessary to tap holes in wood doors since Adjust-A-Screws cut their own threads. Do not be concerned with tight fit. Adjust-A-Screws are designed for a tight friction fit in tapped holes so they will not turn when attachment screw is being tightened. If Adjust-A-Screw turns too freely, apply Loctite™ to threads during installation.

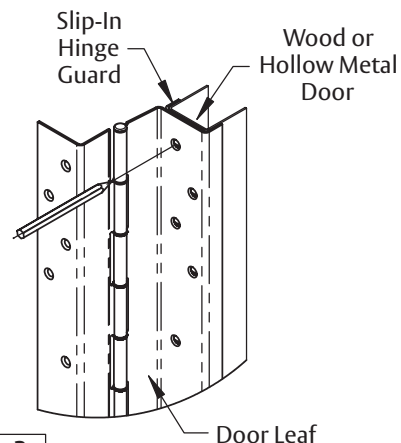


Fig. 3

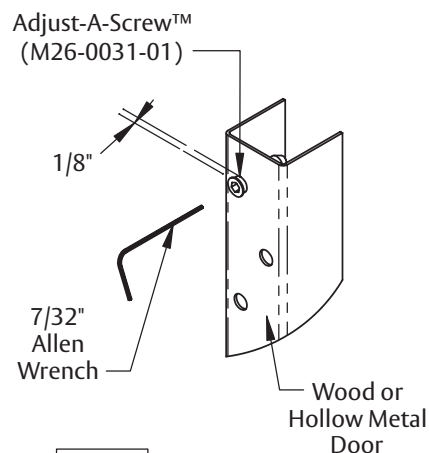


Fig. 4

ASSA ABLOY

The global leader in
door opening solutions

Markar is a brand associated with Pemko Manufacturing Co., an ASSA ABLOY Group company. Copyright © 2017, Pemko Manufacturing Co. All rights reserved. Reproduction in whole or in part without the express written permission of Pemko Manufacturing Co. is prohibited.

M80-0180-0326 Rev K 2/17

3. Hinge Installation

A. Attaching hinge to door:

Peel backing from two sided tape located on top and bottom of Slip-In EGA305 hinge guard and stick guard to edge of door.

Non Adjustable Hinge (Fig 5)

Wood: Attach hinge using #12-8 x 1½" Flat Head Particle Board Screws (PBS12150SP10SS).

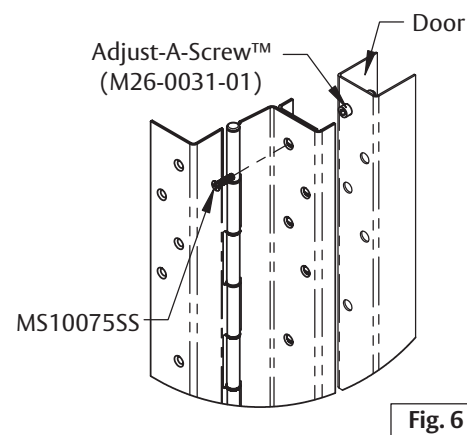
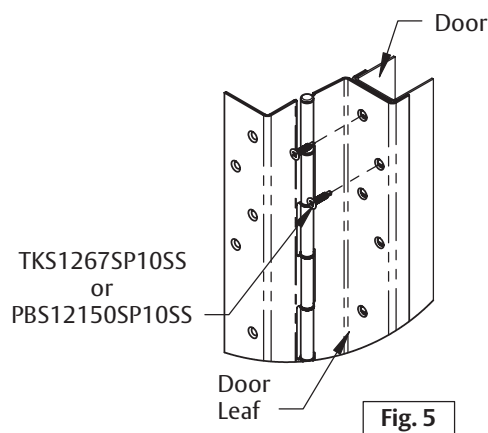
Hollow Metal: Attach hinge using #12-24 x 1½" Flat Head Undercut Machine Screws (TKS1267SP10SS).

Adjustable Hinge (Fig 6)

Wood & Hollow Metal: Attach hinge using #10-32 x ¾" Flat Head Undercut Machine Screws (MS10075SS).

Install top & bottom four screws first, then close door to check alignment. See Special Note below.

SPECIAL NOTE: If door is properly aligned, install and tighten remaining screws. If door requires alignment for proper fit, make this adjustment with four screws installed without removing door. Remove one screw and insert Allen wrench through hole into Adjust-A-Screw (Fig 6). Turn Adjust-A-Screw in direction desired for adjustment. One full turn of Allen wrench is equal to 1/16". Reinstall screw. Adjust remaining screws in same manner. Close door to verify door is aligned properly in opening. The balance of Adjust-A-Screw should be adjusted in same manner until all are resting firmly against inside face of hinge. Then install and tighten remaining machine screws. Be sure adjustable angle is pressed firmly against face of door as screws are tightened.



ASSA ABLOY

The global leader in
door opening solutions

Markar is a brand associated with Pemko Manufacturing Co., an ASSA ABLOY Group company. Copyright © 2017, Pemko Manufacturing Co. All rights reserved. Reproduction in whole or in part without the express written permission of Pemko Manufacturing Co. is prohibited.

M80-0180-0326 Rev K 2/17

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

B. Attaching hinge to frame (Fig 7):

Wood: Attach hinge using #12-8x 1½" Flat Head Particle Board Screws (PBS12150SP10SS).

Hollow Metal: Attach hinge using #12-24 x 1⅛" Flat Head Undercut Machine Screws (TKS1267SP10SS).

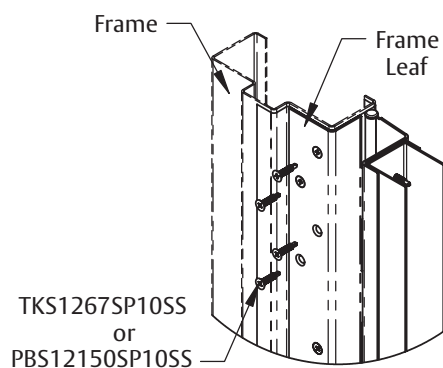


Fig. 7