

# PEMKO DOOR EDGE SOLUTIONS

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**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 the manufacturer will void fire rating.

Applies to the following products:

**XG90SSME-KIT**

**Installation Instructions**

**Door Preparation:**

- Place edge guard on edge of door. Position top of edge guard so that it is flush with top of door (Fig. 1).
- Mark and center punch each hole on door with edge guard held firmly in place. Remove edge guard from door. Prepare to drill holes (Fig. 1).

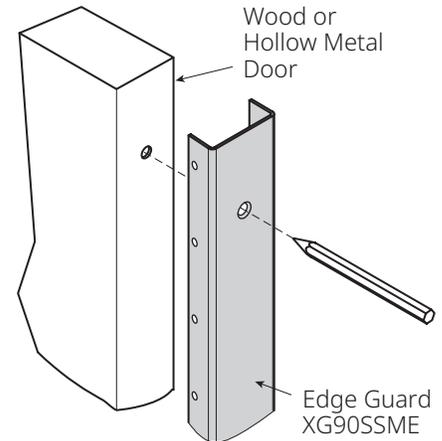


Fig. 1

**Wood Doors:**

- Drill all holes using a  $5/32$ " drill bit then enlarge holes to  $5/16$ " with a minimum depth of  $1\ 1/2$ ".
- Insert Adjust-A-Screw™ (Hex Head  $3/8$ -16 External Thread, #10-32 Internal thread - M26-0031-01) into every hole.
- Place a  $7/32$ " hex key in opening of Adjust-A-Screw and turn Adjust-A-Screw into hole while keeping screw properly aligned (Fig. 2).
- Drive all Adjust-A-Screws in until approximately  $1/8$ " from edge of door (Adjust-A-Screw will self tap) (Fig. 2).

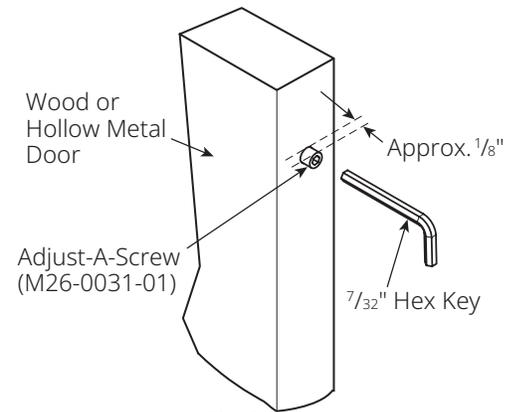
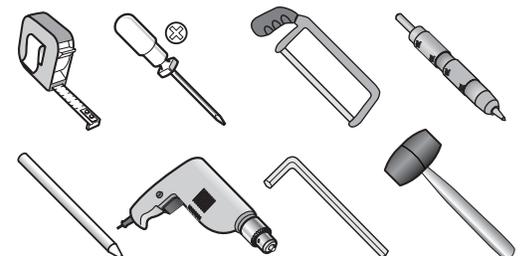


Fig. 2

**Hollow Metal Doors:**

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

**Tools Required:**



**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 threadlocker to threads during installation.

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## Installing and Adjusting Edge Guard:

- a. Install #10-32 x 3/4" machine screws (MS10075SS) into top & bottom Adjust-a-Screws first, then close door to check alignment (Fig. 3).
  1. If adjustment is required to the meeting edge gap, proceed to step b.
  2. If alignment and meeting edge gap are sufficient, proceed to step e.
- b. Remove top machine screw and insert hex key through hole into Adjust-a-Screw. Turn Adjust-a-Screw as needed.
  - Clockwise moves Adjust-A-Screw in.
  - Counterclockwise moves Adjust-A-Screw out.
  - One full turn of Adjust-A-Screw is equal to 1/16".
- c. Reinstall top screw and adjust bottom Adjust-A-Screw in same manner.
- d. Install top and bottom machine screws (MS10075SS). Check alignment and repeat steps b. and c. to achieve an acceptable gap at meeting edge.
- e. With edge guard mounted, drill 1/16" pilot holes 1/2" deep along the sides of the edge guard. Install and tighten #10 x 3/4" Philips head wood screw (WS10075SS) into each hole along the sides of the edge guard (Fig. 4).
- f. Close door to verify proper clearance in opening. The remaining Adjust-a-Screws (M26-0031-01) should be adjusted until all are resting firmly against inside face of edge guard.
- g. Install and tighten remaining machine screws (MS10075SS).

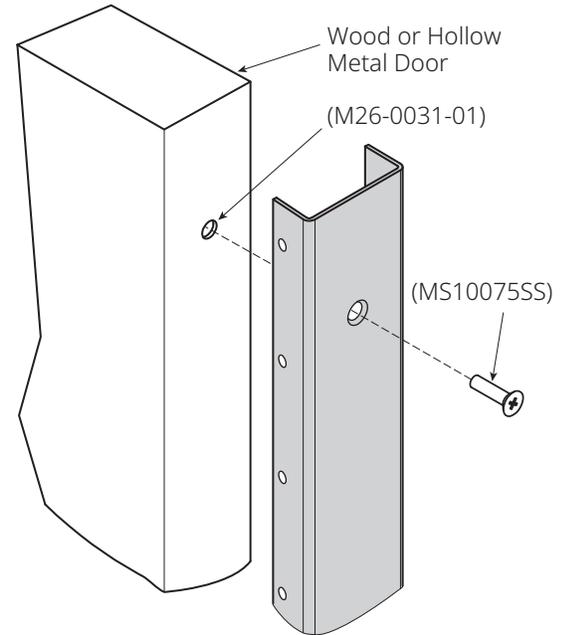


Fig. 3

## Testing/Ratings:

Solutions for door and frame clearances that exceed the guidelines of NFPA 80 when installed per the manufacturer's instructions, intended for use with UL or Intertek Classified steel composite, hollow metal, wood, and plastic covered composite core doors with UL or Intertek listed frames rated up to 1 1/2 hours.

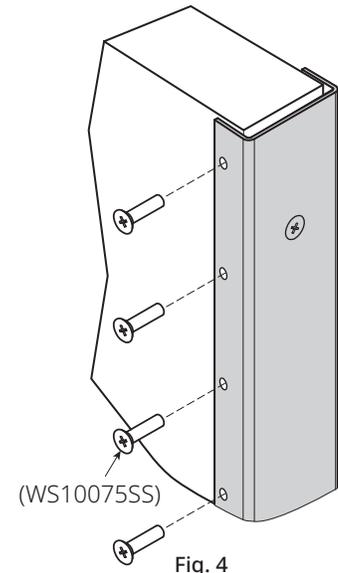
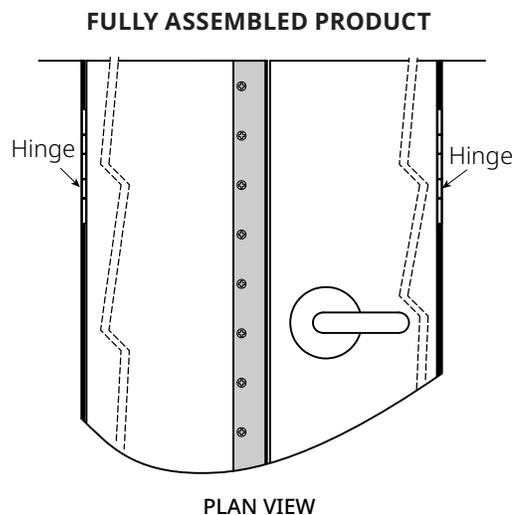


Fig. 4