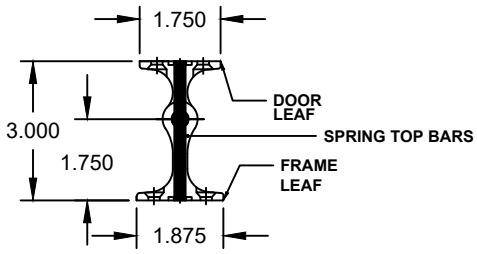
INSTALLATION INSTRUCTIONS FOR ANTI-LIGATURE ALUMINUM DOUBLE SWING HINGE

A507



HINGE IN CLOSED POSITION

A. All uncut standard length hinges are non-handed and can be used for right or left hand doors.

B. Standard length hinges are supplied slightly shorter than nominal door height to accommodate threshold and carpeting clearances.

CUTTING THE HINGE TO FIT

ABH DOES NOT RECOMMEND CUTTING THE A507 IN THE FIELD, PLEASE ORDER CUT TO LENGTH FROM THE FACTORY

FRAME PREP

With the hinge in the open position

1. Locate the horizontal top of the hinge 1/8" max. below the header with the frame leaf flange tight against the frame.

Note:*Spring Loaded Gap Filler at top will allow for a smaller clearance while maintaining a closed gap.*

2. Locate and mark the vertical edge of the hinge, maximum 1-13/16" from the push edge of frame to edge of hinge flange. **(FIG. 1)**
3. Mark and Center Punch each screw hole location.

Note: *If using wood screws drill a 5/32" pilot hole*

DO NOT ATTACH HINGE TO FRAME AT THIS TIME

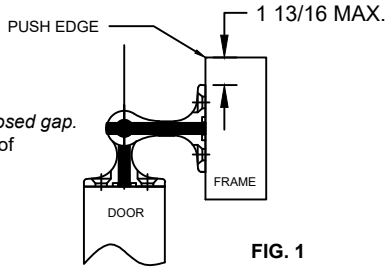


FIG. 1

HINGE OPEN AT 90°

ATTACH THE HINGE TO THE DOOR

2. Position Door Leaf on door.
3. Align the top edge of the hinge (not the spring top bars) to be absolutely flush with the top of the door. **(FIG. 2)**
4. Mark and Center Punch each screw hole location.
5. Using the provided Self Drilling/Thread Forming Screws and the proper drive bit (T-25) please proceed to attach the hinge to the door.

Note: *If using wood screws drill a 5/32" pilot hole*.

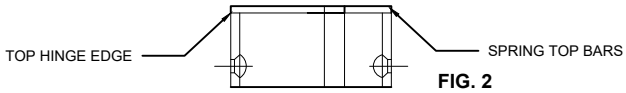


FIG. 2

ATTACHING DOOR TO FRAME

6. Position door 90 degrees to frame. **(FIG.1)**
7. Shim door to the proper height to line up the screw holes in hinge frame leaf with the marks at the top of the frame.
8. Install two screws at the top of the hinge to hold in place.
9. Remove shim and align the remaining holes. Install two additional screws in the middle and at the bottom.
10. Check door for proper swing and clearance before installing remaining screws, making necessary adjustments.
11. Install the remaining fasteners after adjustments are made.
12. **THERE SHOULD BE NO GAP AT THE TOP**

REINFORCING AND RIVNUTS

Vertical frame reinforcement is recommended to prevent the hinge mounting screws from pulling out of the frame.

Rivnuts are recommended for use in the frame when the door exceeds 450lbs.

Note:*RIVNUTS are* ***not*** *to be used with Fire Rated Hinges*

GROUT/SLUSHED-IN FRAMES

It is recommended that a mudguard be installed behind the frame for ease of installation. Do not use self-drill screws with grouted steel frames without a mudguard. If no mudguard has been used, drill holes through frame and remove grout for screw clearances. Do not oversize hole.

SCREW DETAIL	
FRAME	12-24 x 3/4" S.S. PIN TORX (T-25) FLAT HEAD, UNDERCUT, SELF DRILLING, THREAD FORMING TEK MACHINE SCREW
DOOR	12-24 x 3/4" S.S. PIN TORX (T-25) FLAT HEAD, UNDERCUT, SELF DRILLING, THREAD FORMING TEK MACHINE SCREW

Note: *#12 x 1-1/2" PIN-TORX FLAT HEAD UNDERCUT WOOD SCREWS AVAILABLE UPON REQUEST*

The following actions will void any warranty, expressed or implied.

Failure to Install the hinge according to ABH's specifications and requirements

Use of Fasteners other than those supplied with the hinge.

Unauthorized field modifications including removing any of the bearings, altering the original finish or painting the hinge.

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