Nxtwall
Installation Instruction

Installation Scenario:

Biloba Glass Door Hinge Installation

Nxtwall Components Covered by this Instruction:

- Biloba Hydraulic Hinge
- Door Jamb

Recommended Installation Tools:

- Drill
- Phillips Screwdriver
- Shims (Adjusting Door Height)
- Suction Cup (Handling Door)

Fig. 1

Biloba Hinge

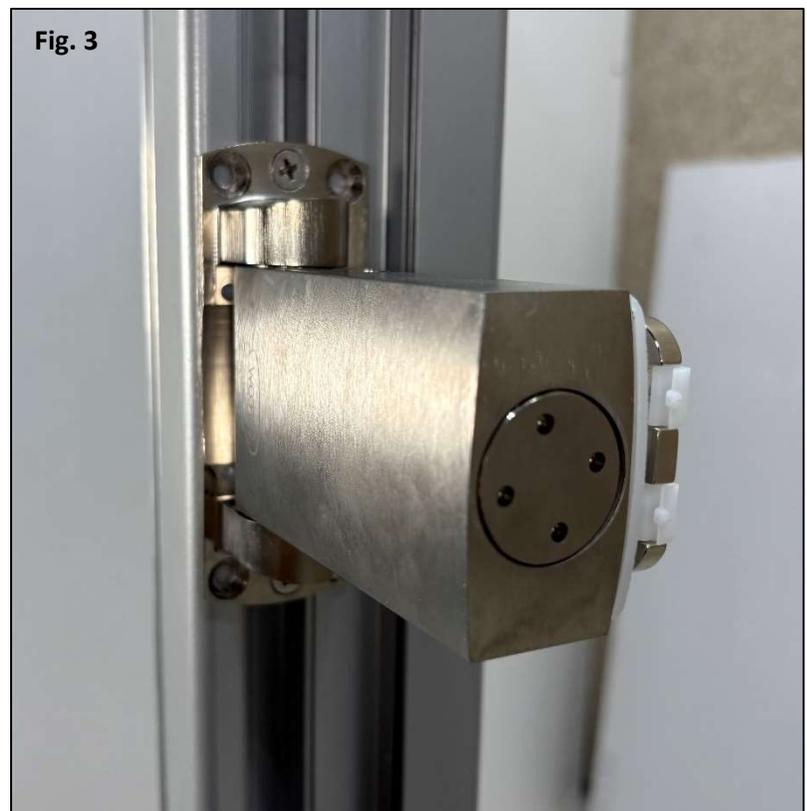**Glass Door Backing Plate**

1" Anchoring Screw

Biloba Hinge Installation: Installing Hinges onto Door Jamb

1. Install the backing plate into the door jamb. Fig. 2.
2. Place the hinge on the door jamb aligning the center hole on the hinge with the holes on the backing plate. Fig 3.
3. Install the set screws through the hinge and into the backing plate. This will secure the hinge to the door jamb.
    a. With the hinge attached to the backing plate it will allow the hinge to move up or down the door jamb.
4. Repeat process for the other hinge.

Fig. 2

Center Hole for Set Screw

Fig. 3

Biloba Hinge Installation: Installing Glass Door onto the Hinges

When installing the door use at least two people. One person to handle the door, the other person to install the hinges onto the door.

5. Remove pre-installed internal plate from the hinge.
6. Install the correct amount of shims onto the hinge. All shims will be used. Fig. 4.
7. Place the glass door near the door jamb.
8. Adjust the hinge(s) location to align with the holes in the glass door. Fig. 5.
   a. Loosen the set screws to move the hinges. Tighten the set screws once the hinges are in the correct location.
9. Install the glass door onto the hinges.
10. Re-install the internal plate to secure the glass door to the hinges. Fig. 6.
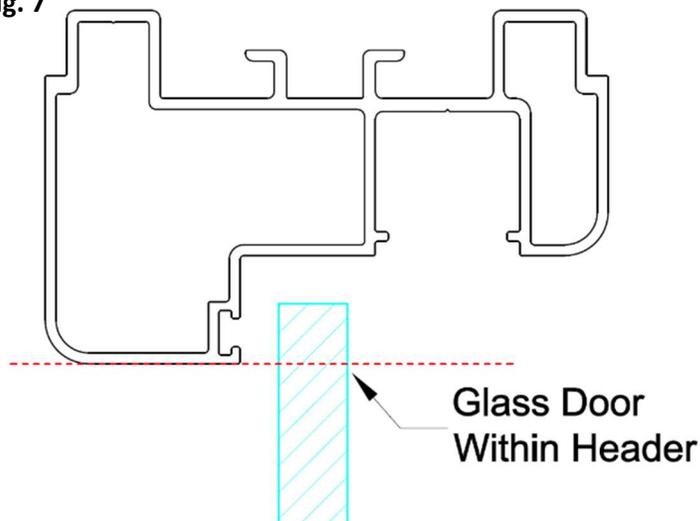11. Install finish cover plate onto hinge.

Fig. 5

Fig. 4

Fig. 6

Biloba Hinge Installation: Adjusting Door Height

The door height calculation allows for a 1/2" gap between the bottom of the door and the floor and a 1/4" gap between the top of the door and the inside of the header.

12. Loosen the set screws to allow the door to move up and/or down on the door jamb.
13. Place the door on shims to create a gap at the floor.
14. Tighten the set screws to secure the door.
15. Operate the door to make sure there is clearance at the floor and the door is within the header at the top of the door (Fig. 7). Adjust if needed.

**Note: If the set screws cannot hold the weight of the door to allow the door to be operated for testing, set the door on shims at the height needed and run the anchoring screws to secure the hinges to the door jamb. Hinge anchoring details on the next page.

Fig. 7

Glass Door Within Header

Biloba Hinge Installation: Anchoring Hinges

With the door set at the correct height the anchoring screws can be installed.

To access the two inside holes open the door, Fig. 8. To access the two outside holes close the door, Fig. 9.

16. Pre-drill holes into the door jamb through the holes in the hinge using an 1/8" drill bit.
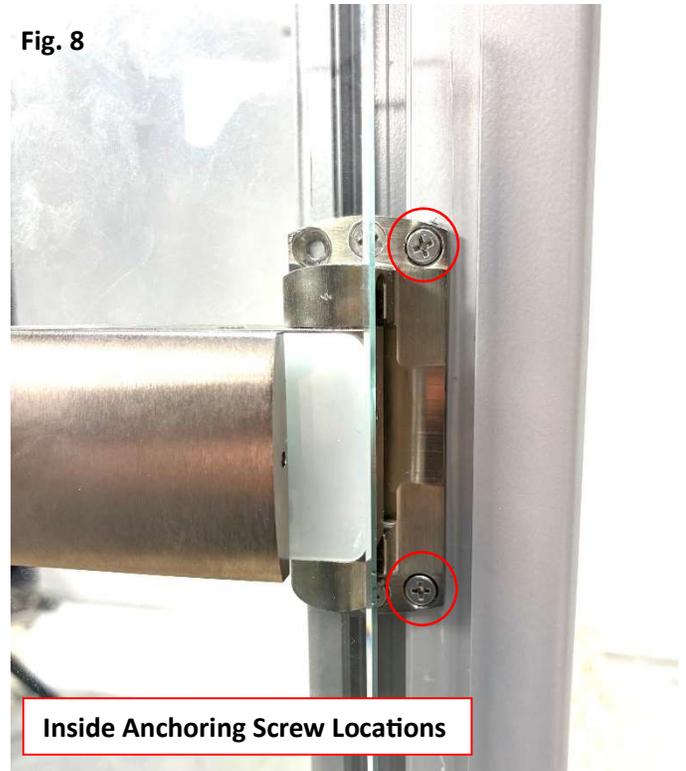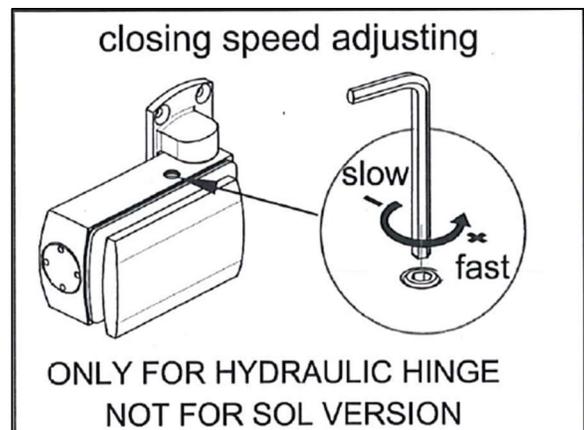17. Attach the hinge to the jamb using the 1" attaching screws.

Fig. 8

Inside Anchoring Screw Locations

Fig. 9

Outside Anchoring Screw Locations

Biloba Hinge Installation: Adjusting Hinge Closing Speed

18. To adjust the closing speed of the hinges locate the speed adjustment valve on the hinge.
    a. The valve will be on top or bottom of each hinge, the location is dependent on the swing of the door.
19. To slow the closing speed turn the valve clockwise. To speed up the closing speed turn the valve counterclockwise.
20. **Important:** When adjusting the speed, the speed must be adjusted at the same rate. The hinges must be in sync with each other for proper operation.
    a. Example: If a 1/4 turn is made on one hinge the same adjustment must be made to the other hinge.
    b. If the hinges are out of sync the door will either close too fast or not close at all.
    c. When adjusting the closing speed start with the speed valve closed and incrementally speed up the closing speed until the desired speed is found.

Fig. 10

Speed Adjustment Valve Location

closing speed adjusting

slow

fast

ONLY FOR HYDRAULIC HINGE
NOT FOR SOL VERSION

Reference Instructions Sent with the Hinges