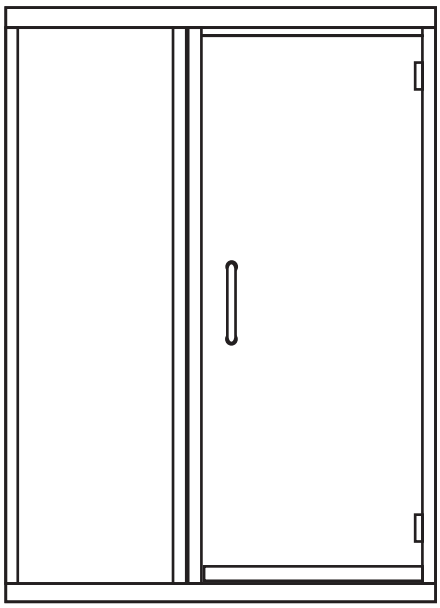
Installation Instructions for

1/4” Door Models: ASD180 / ASD280

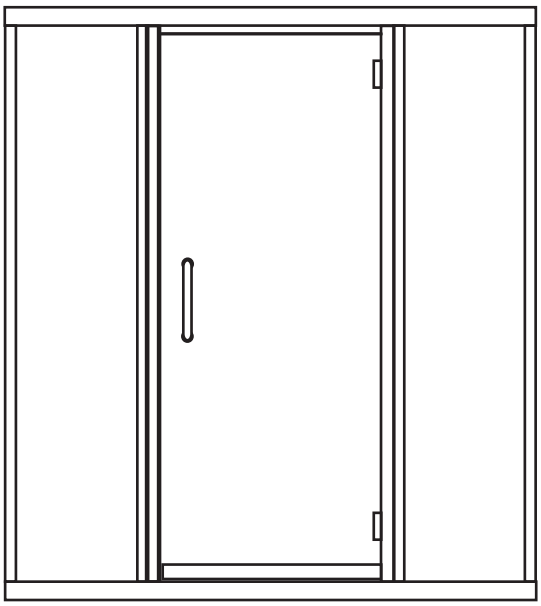
BP.3100.SIL - Accent Door 180/280 Intsall Bag

FIRST STEPS - Identify the **model number** of your unit.

- Look on the white shipping label on the outer cardboard box.
- **Model number** on label should correspond to one listed above.



ASD180



ASD280

NOTE:

- Installation procedures are the same for tub or shower height units
- The images in this manual show an arrangement with the showerhead to the left. The same instructions apply for the opposite orientation where the examples would be reversed.

Required Tools

* Pencil or water soluble felt pen

* Hacksaw with 24 tooth blade

* Metal file (smooth sharp edges)

* Tape measure

* Clear 100% Silicone (recommended)

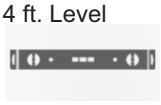
* #2 Phillips Screw driver

* 1/8”, 3/16”, 1/4”, 3/8” drill bits (carbide for tile)

* Caulking gun

* Drill, electric or battery

* 4 ft. Level



* Rubber mallet

* Razor knife

Building Partners through Glass
HARTUNG GLASS INDUSTRIES

P/N MM.5063
rev080420

This installation sheet is a required component of HA.3100

READ ENTIRE MANUAL BEFORE INSTALLATION AND OPERATION

Warnings and General Shower Door Information

READ AND FOLLOW INSTRUCTIONS: Failure to follow all instructions, warnings and guidelines may result in serious injury or death, may cause water damage, and will void the terms of your warranty.

General Safety and Installation Policies

Before Installation:

- **Proper Size:** Ensure the enclosure is the proper size for your opening prior to beginning installation.
- **Safe Installation:** Some units may require two or more people to safely install the enclosure properly.
- **Packaging:** It is recommended to retain all packaging and other materials until installation is complete in the event of a return.
- **Inspect:** Installer should inventory all parts or components and inspect them for damage prior to beginning installation.
- **Sharp Edges:** Exposed ends of aluminum and other hard components can be rough, sharp or jagged due to the processes of cutting, drilling, notching, etc. Sharp ends must be deburred, smoothed or rounded by the installer before installation.
- **Safety equipment and tools:** Have all necessary safety equipment (glasses and gloves) and proper tools for the installation. The installer is responsible for determining the correct drill bit(s) for the installation.
- **New Tile:** We recommend that you allow at least 2 days (48 hours) for the tile cement and grout to dry before installing enclosure.

During Installation

- **Proper backing:** Shower doors are heavy. Therefore, glazing channels, fillers, hinges and headers blocks (structural components) should be secured to studs or solid backing beneath the tile or decorative substrate. Fasteners should screw directly into the backing. Wall anchors are provided primarily to separate screws from tile to reduce the possibility of cracking.

- **Tempered glass:** Glass can break. Shower door panels are tempered to ASTM C1048 specifications as required by building codes. Glass is tempered to greatly increase its strength and to make it fragment into smaller and lighter pieces reducing the possibility of injury in the event that the glass does break. Tempered glass will break and may cause bodily injury if you attempt to cut, drill, mill or alter it in any way. Care must be taken when handling tempered glass. Pay special attention to protect all edges of the glass from contact with hard surfaces.
- **Horizontal surfaces and installation holes:** Avoid drilling into the horizontal surfaces of tubs or showers unless it is required for the structural integrity of the unit. If you drill into horizontal surfaces, always generously caulk the holes, anchors, screws and on top of the screw head. If this is not done, or is done improperly, water damage can occur under the tile or substrate.
- **Weep holes in horizontal channels:** Drilling 3/8" weep holes on the inside of horizontal channels is recommended to allow any moisture build-up inside a channel to exit the channel. Due to varying installation conditions and installer's/owner's personal preference, however, we do not drill them in the factory.
- **Sliding and swinging glass doors**: A door may be improperly installed if it hits or scrapes against bathroom obstructions (toilets or cabinets) or any metal or glass components of the shower door itself. This could lead to glass breakage or serious injury. The installer must correct the deficiencies before allowing the door to be used.
- **Surface conditions:** Most shower door designs allow for out-of-square or unlevel installation. Generally, any outage more than 3/8” that was not identified during the ordering process is outside of these allowances and can result in an improper installation.

Caulking/Siliconing the Unit:

- Always clean all contact surfaces before caulking and use a high grade 100% silicone for best results.
- After installation, at a minimum, caulk the entire outside perimeter of the unit where the unit touches walls, sills, and step-ups, etc. Also caulk any vertical joints between metal components where water build-up inside of the channels could leak out.

After Installation:

- **Curing times:** Adhere to manufacturers’ recommended curing times for VHB tapes, silicones and any other adhesives, coatings or chemicals used during installation. Unless otherwise stated, it is recommended to wait 72 hours before using the enclosure.
- **Normal wear and tear:** Although these enclosures are designed to last for years, certain items (such as the polycarbonate seals and door sweeps) may need to be replaced as they show signs of aging and wear.

General Disclaimers

- **Shower Doors are not watertight:** Consumers should understand that a shower door is not watertight. The amount of water that can escape your shower can vary greatly based on shower/tub size, configuration of shower head(s), type of thresholds and drains and by the type of shower door itself. Heavy glass units with no or limited vinyl seals, for example, can allow water to escape under normal conditions. Doors with more metal and seals generally provide more water protection. Excessive water pressure or directing shower heads or hand held sprays directly at doors or joints is not a normal shower conditions and can result in leaks.
- **Towel bars, handles and accessories** are in no way considered to be grab bars or other bracing or fall prevention mechanisms. The intent of these accessories is to facilitate proper operation or enhance the esthetics and functionality of the unit.

Owners Manual:

Refer to your Owners Manual for general installation and cleaning and care instructions. If a copy of the Owners Manual was not included, you can download one on the RESOURCES page of our website.

Questions or Comments:

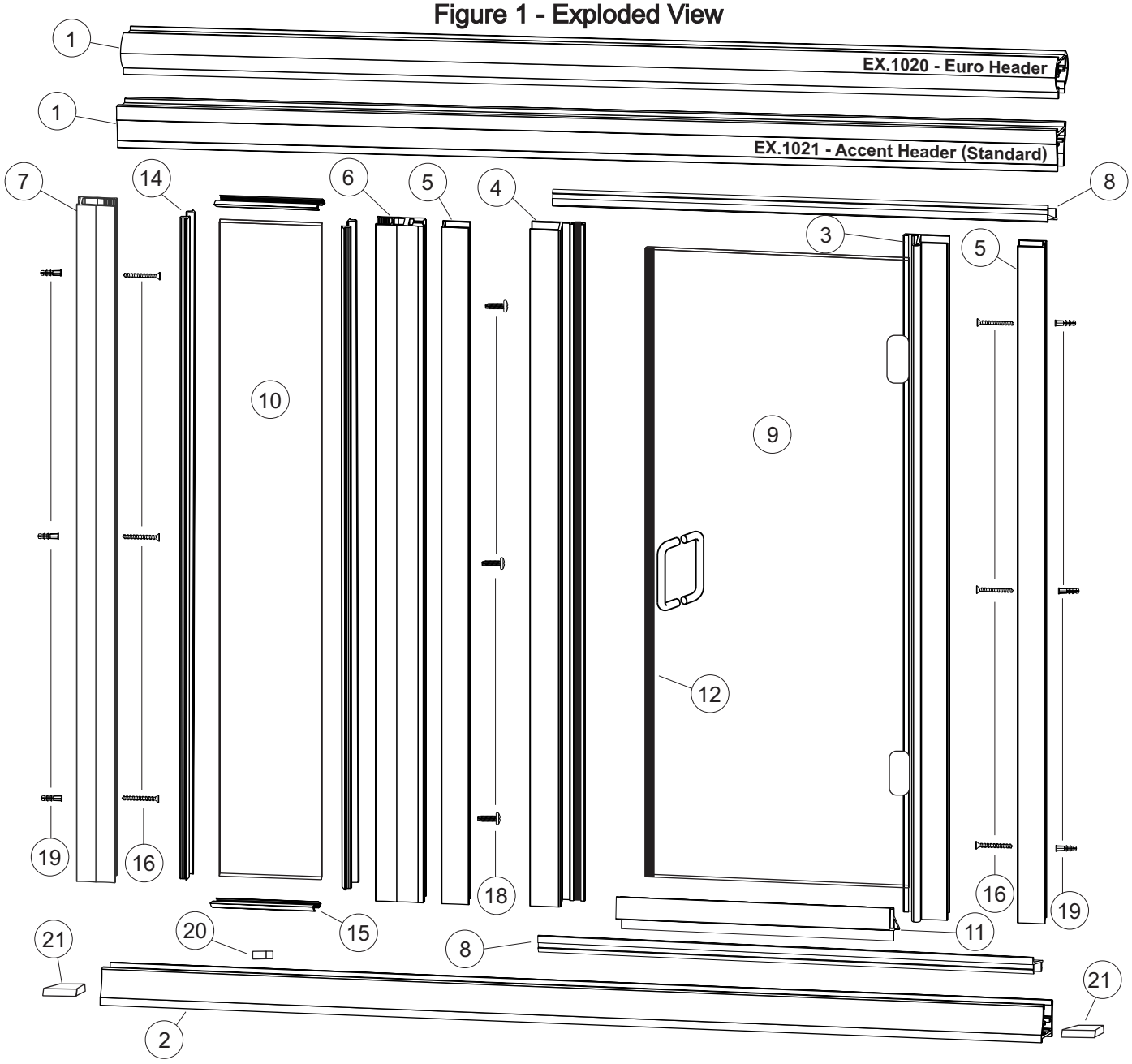
1-800-843-3332

Installation Instructions

Models: ASD180

1/4" Frameless Door & 180° Panel

Figure 1 - Exploded View

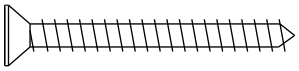


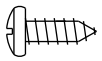
Parts List

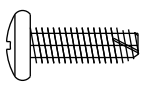
Itm	Part No.	Description	Qty
1	EX.102X	Stall Header	1
2	EX.1022	Stall Curb	1
3	EX.1002	Hinge Jamb	1
4	EX.1005	Latch Jamb	1
5	EX.1003	Jamb Filler	2
6	EX.1031	180° Post	1
7	EX.1026	Wall Channel	1
8	EX.1025	Header/Curb Filler	2
9	GLASS	Door	1
10	GLASS	Panel	1
11a	EX.1109	Drip Deflector	1
11b	VN.4062	Bottom Sweep	1

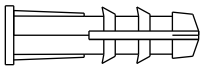
Itm	Part No.	Description	Qty
12	VN.4102	Adhesive magnet	1
13	VN.4015	Hinge Jamb Vinyl	1
14	VN.4013	Vertical Glazing Vinyl	4
15	VN.4011	Header/Curb Vinyl	4
16	BP.3100	#8 X 1-1/2 FHPHSMS	6
17	BP.3100	#6 X 3/8 PHPHSMS	4
18	BP.3100	#10-24 X 9/16 PHMS	3
19	BP.3100	Wall Anchor	6
20	BP.3100	Glass Setting Block	2
21	BP.3100	Foam Curb Plug	2

Full Size Drawings:

16. 

17. 

18. 

19. 

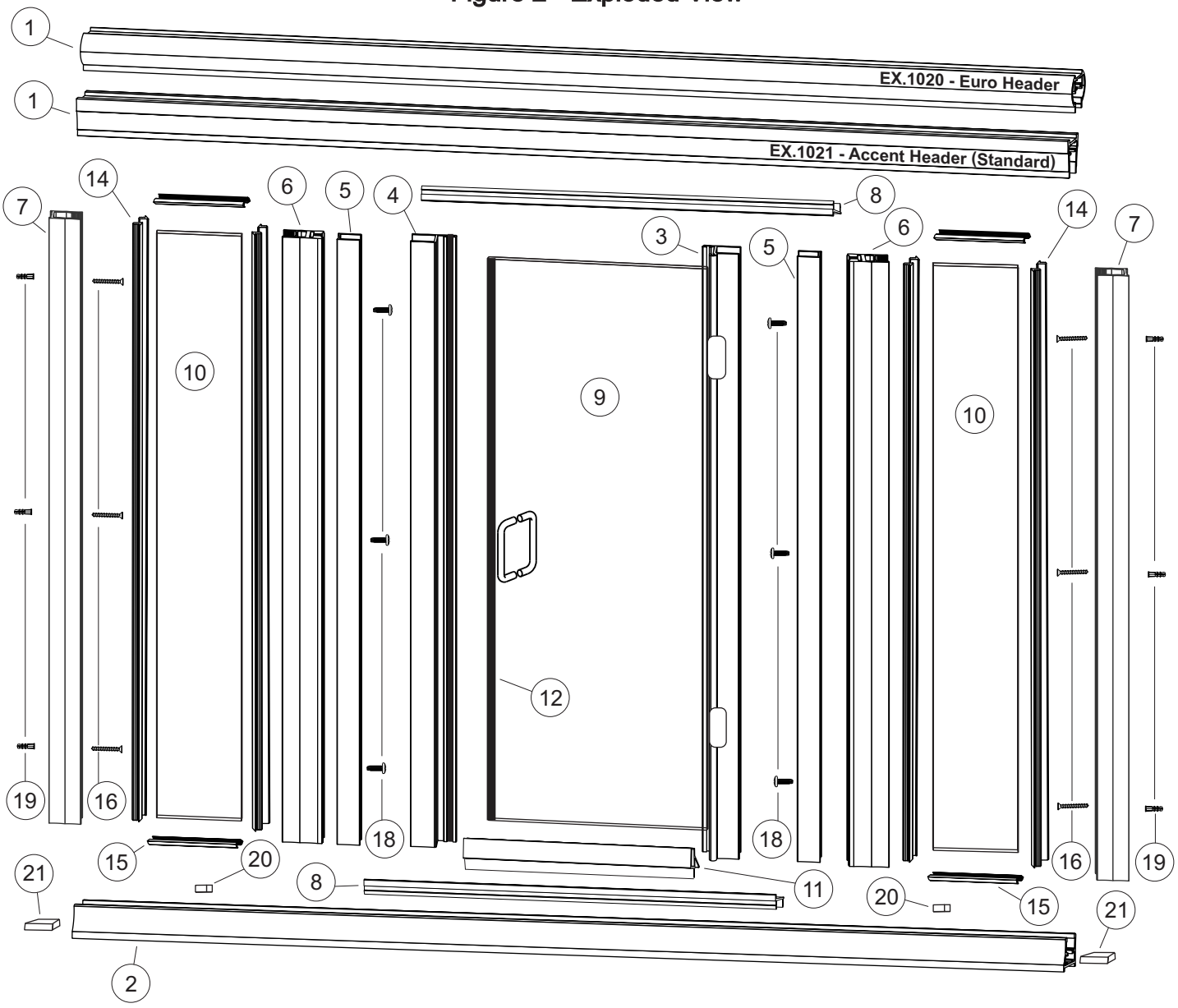
Extra screws may be provided for your convenience

Installation Instructions

Models: ASD280

1/4" Frameless Door & 2-180° Panels

Figure 2 - Exploded View



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6	EX.1031	180° Post	2
7	EX.1026	Wall Channel	2
8	EX.1025	Header/Curb Filler	2
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11a	EX.1109	Drip Deflector	1
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12	VN.4102	Adhesive magnet	1
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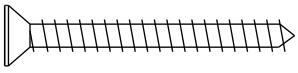
17	BP.3100	#6 X 3/8 PHPHSMS	6
18	BP.3100	#10-24 X 9/16 PHMS	6
19	BP.3100	Wall Anchor	6
20	BP.3100	Glass Setting Block	4
21	BP.3100	Foam Curb Plug	2

Full Size Drawings:

16.



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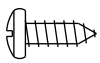

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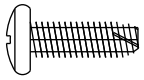

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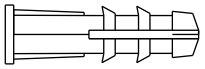


Extra screws may be provided for your convenience

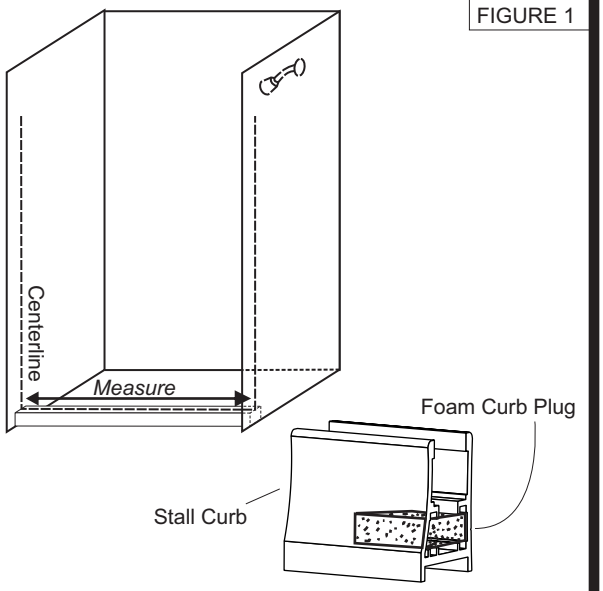
Installation Instructions
Models: ASD180/ASD280
1/4" Frameless Door & 180° Panel(s)

STEP 1 - STALL CURB:
- On the centerline of the tub or shower sill, measure the wall to wall net opening, 1/2" above the sill. From this measurement deduct 1/16" and cut stall curb (ITEM #2) to length.

  NOTE: Your curb section may already be cut to size from the factory.
- Set curb section in place over centerline and mark curb location at each wall.

  NOTE: Ensure weep holes are oriented to the inside of the shower.
- Insert one Foam Curb Plug (ITEM #21) into each end of stall curb, recessing them approximately 1/8". Fill each recess with sealant and position the stall curb over the centerline and temporarily hold in place with strips of Painters tape.
- With a screwdriver, push each Foam Curb Plug into each wall to seal the curb ends.

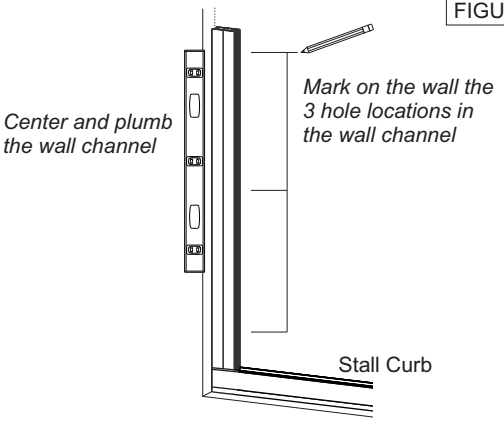
FIGURE 1



STEP 2 - WALL CHANNEL:
- Center the Wall Channel (ITEM #7) on the Fixed Panel side of the Stall Curb and against the wall with open edge of channel facing away from wall. Plumb the wall channel, then using the wall channel's pre-drilled holes as a template, mark the three installation holes on the wall.
- Remove wall channels and drill holes into the wall with a 3/16" drill bit. (Use carbide tipped bit if going into tile or other types of masonry material). Insert three wall anchors (ITEM #19).
- Reposition the wall channel, align the holes, and secure with 3-#8 x 1-1/2" FHPHSMS, (ITEM #16). Insert one Setting Block (ITEM #20) into the stall curb where the Fixed Glass Panel will set.

AS-280: Repeat step with second Wall Channel at opposite wall.

FIGURE 2



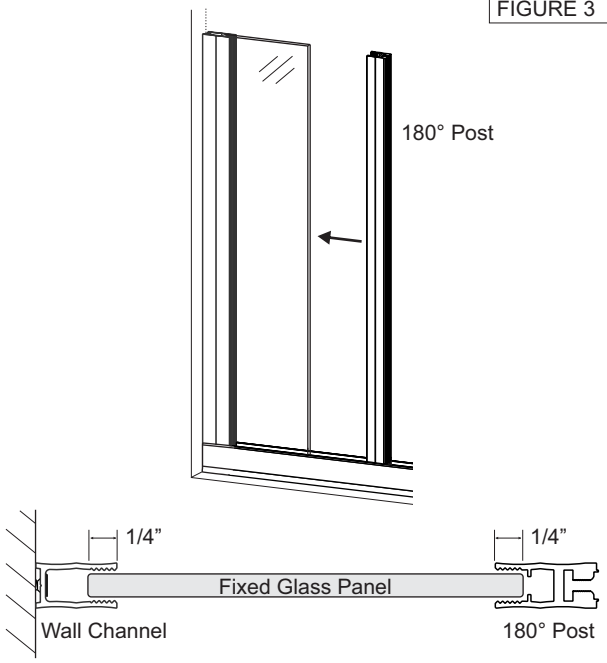
STEP 3 - FIXED PANEL:
- Insert the Fixed Glass Panel (ITEM #10) into the curb and slide into the wall channel.

  NOTE: If obscure, frosted or pebbled glass is used, ensure that the rough side of the panel faces to the outside.
- Insert the 180° post into the curb and over the edge of the glass panel.
- At this point, it is necessary to determine if the Fixed Glass Panel is far enough into both vertical posts for proper glazing. 1/4" is the minimum penetration into each post. If this minimum penetration is not met, the 180° Post must be moved further onto the Fixed Glass panel to achieve the necessary coverage. The door assembly will cover any discrepancy.
- With a level, plumb the 180° Post and temporarily hold the post in place by glazing the top of the post with a few inches of the VS-3 Glazing Vinyl (ITEM #14).

  NOTE: Do not cut the glazing vinyl at this time.

AS-280: Repeat step at other Wall Channel for second Glass Panel and 180° Post.

FIGURE 3



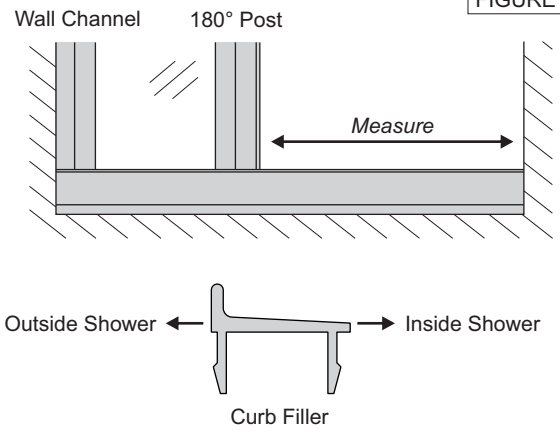
Installation Instructions
Models: ASD180/ASD280
1/4" Frameless Door & 180° Panel(s)

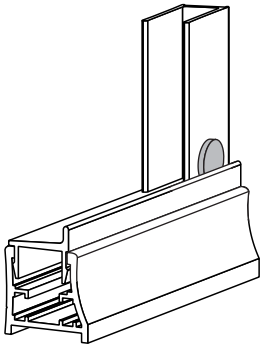
STEP 4 - CURB FILLER:

- Measure between the leading edge of the 180° Post and the wall and cut the Curb Filler (ITEM #8) to this dimension.
- With the Curb Filler water dam to the outside of the shower, firmly snap filler into place between the 180° Post and the wall. Refer to FIGURE 4 for proper orientation. The door assembly will be installed on top of the Curb Filler.
- Install one Jamb Filler (ITEM #5) at the wall opposite the Wall Channel. This jamb will support either the Hinge Jamb or the Latch Jamb, depending on your requirements.
- Start by setting the Jamb Filler on top of the Curb Filler with the open edge of the channel facing away from the wall.
- Use an ordinary nickel (5¢) to space the bottom of the Jamb Filler back from the vertical water dam on the Curb Filler. Refer to FIGURE 4. This is necessary to allow clearance for either the Hinge Jamb or the Latch Jamb later on.
- With the bottom properly spaced, use a level and plumb the Jamb Filler. Use the factory holes as a template and mark the hole locations onto the wall.
- Remove the filler and drill the holes using a 3/16" drill bit. Insert 3- Wall Anchors (ITEM #19) into the holes.
- Realign the filler with the holes and secure with 3- #8 X 1-1/2" FHPHSMS (ITEM #16).

AS-280: The measurement taken for the Curb Filler will be between the leading edges of the two 180° Posts with the Curb Filler being snapped in between them as well. Disregard the text that instructs you to attach the Jamb Filler to the wall.

FIGURE 4





Use a nickel to space the Jamb Filler from the Curb Filler, then plumb the Jamb Filler.

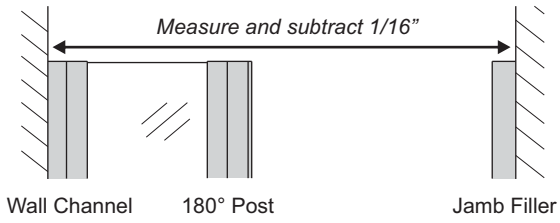
STEP 5 - STALL HEADER:

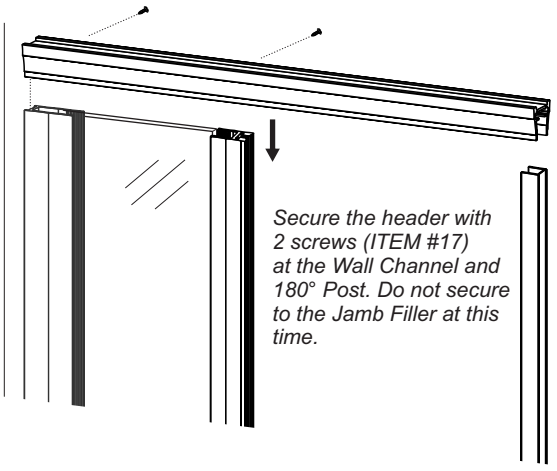
- Measure wall to wall at the top of the vertical posts. Subtract 1/16" and cut the Stall Header (ITEM # 1) to this length.
- Set header in place over the top of all the verticals. Verify that the 180° post has not moved from your dimension in STEP 4 at the curb, then tap the top of the post into place. Use a level to make sure that post is plumb.
- From the inside of the shower, attach the header to the top of the Wall Channel and the 180° post only by drilling through the header into the vertical posts with a #32 wire gauge drill bit and securing with 2- #6 x 3/8" PHPHSMS (ITEM #17). The Header over the Jamb Filler must be left unsecured at this time. Be very careful not to drill or screw into the glass panel. The panel can be moved side to side while drilling.
- After attachment is complete, center the Fixed panel between the posts and glaze with 4 pcs. of VS-3 vinyl (FIGURE 6).

NOTE: The vinyl seals are designed to be tight to provide maximum water protection, and minimize shrinkage due to temperature extremes. If it becomes difficult to push the vinyl in place, lubricate it with glass cleaner. This will allow easy installation then will evaporate leaving the vinyl tight and smooth. **Do not use any type of grease, oils, or silicone sprays** as these will harm the vinyl and compromise safety as well as water protection.

STEP CONTINUED ON NEXT PAGE...

FIGURE 5





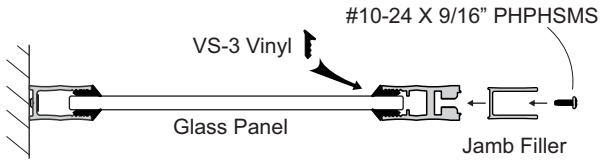
Secure the header with 2 screws (ITEM #17) at the Wall Channel and 180° Post. Do not secure to the Jamb Filler at this time.

Installation Instructions
Models: ASD180/ASD280
1/4" Frameless Door & 180° Panel(s)

- Finish this step by installing the remaining Jamb Filler(s) to the 180° Post(s) as follows: Position the closed edge of the Jamb Filler(s) to the 180° Post(s) as shown in (FIGURE 6), with the bottom of the Jamb Filler(s) setting on top of the Curb filler. Secure the Jamb Filler(s) to the 180° Post(s) with 3- #10-24 X 9/16" PHPHSMS (ITEM #18).

AS-280: Notice that both Jamb Fillers should be in position at this time.

FIGURE 6

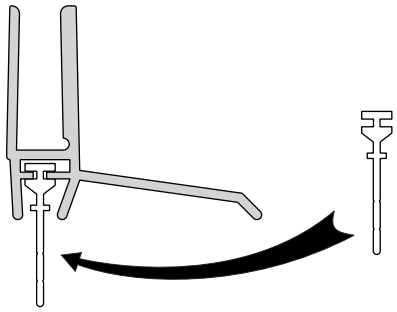


STEP 6 - DRIP DEFLECTOR:

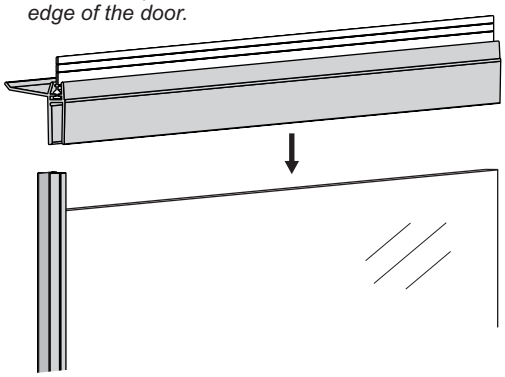
- Take the door Bottom Sweep and slide it into the bottom of the Drip Deflector as shown in FIGURE 7. A mild solution of soapy water will help if the sweep is difficult to pull through. The vinyl sweep has a memory when it is stretched, so be sure to work the sweep back and forth after it is drawn into the deflector. Trim the vinyl leaving 1/4" of the Door Sweep protruding from each end.
- Set the door assembly on its top on a cushion or pad, so that the bottom of the door is up. Set the Drip Deflector (ITEM #11a) over the bottom edge of the door with the deflector portion to the inside of the shower. With a mallet or block of wood, gently tap the deflector over the edge of the door panel as far as it will go. In most cases, the glass thickness is enough to hold the Drip Deflector in place for the life of the door. In some circumstances the glass may be slightly thinner, depending on the type of glass being used, or the manufacturer of the glass its self. In these cases, the corners of the Deflector may be pinched to hold the Deflector in place, or simply inject a small amount of caulking into the channel where the glass will fit to maximize the holding power of the Deflector.

  NOTE: Only a small amount of caulking is necessary, too much caulking will be squeezed out during adjustment. It will be readjusted later.
- Make sure that the Drip Deflector does not protrude past the edge of the glass on the handle side. Debur and round the exposed ends of the drip deflector.

FIGURE 7



Slide the Drip Deflector over the bottom edge of the door.



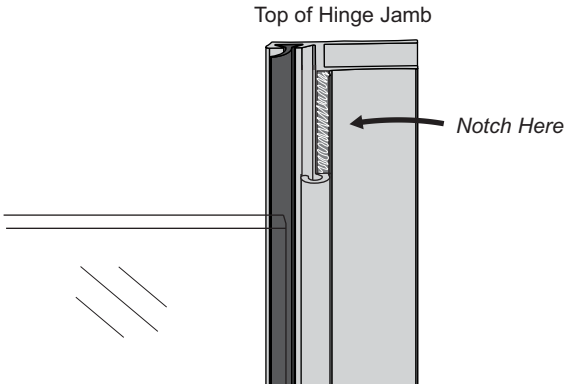
STEP 7 - DOOR ASSEMBLY:

- Measure from the top horizontal surface of the Curb Filler, (the surface that the Jamb Fillers are setting on), to the bottom of the header. Then transfer the measurement to the jamb and make a mark on the Hinge Jamb Barrel.
- Using a hacksaw, notch the Hinge Barrel that is at the top of the hinge jamb down to the mark you made. This procedure can be performed while still attached to the glass panel. Refer to FIGURE 8 before cutting the Hinge Jamb Barrel. The ASDJ door is designed to adjust upward in width from a tight position a total of 1".

  EXAMPLE: An ASDJ-24 door will fit a net opening of 24" tight up to 25" totally expanded out. The net opening for this model is the dimension between the leading edge of the 180° Post and the wall (the same dimension that the Curb Filler was cut to). Adjustment should be made by adjusting the Hinge Jamb first, then the Latch Jamb, equally off both Jamb Fillers.

STEP CONTINUED ON NEXT PAGE...

FIGURE 8

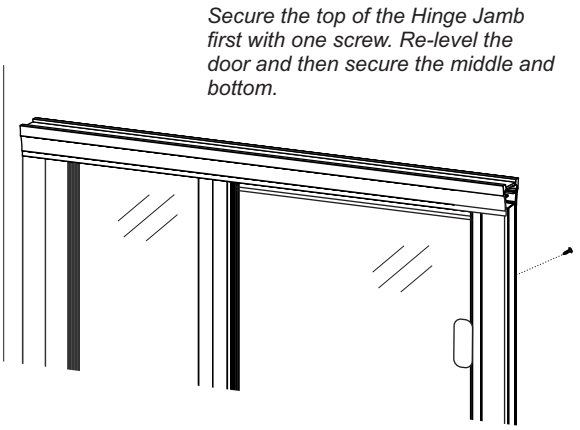


Installation Instructions
Models: ASD180/ASD280
1/4" Frameless Door & 180° Panel(s)

- Slide the door assembly over the appropriate Jamb Filler and move it to the determined dimension off the wall or 180° Post. Use a small level placed along the top horizontal edge of the glass to level the door.
- From the inside of the shower, drill through the top pilot hole in the Hinge Jamb into the Jamb Filler using a #32 wire gauge drill bit. Secure the top hole with one #6 X 3/8 PHPHSMS (ITEM #17). The door will hold in place with only the top screw installed.
- Next, re-level the door and drill through the middle and bottom holes with a #32 wire gauge drill bit then secure with two #6 X 3/8 PHPHSMS (ITEM #17).

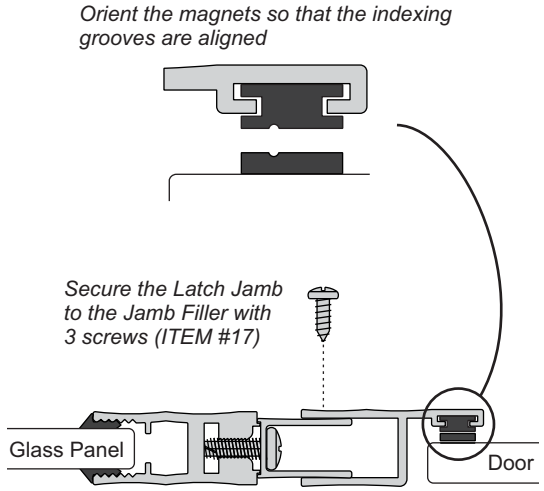
AS-280: Net door opening is between the two 180° Posts instead the post and the wall. The length of the Curb Filler still represents the net door opening.

FIGURE 9



STEP 8 - LATCH JAMB:
- Slide the Latch Jamb, (ITEM#4), over the remaining Jamb Filler.
- There is a indexing groove lengthwise in the magnet. Apply the second magnet to the glass shower door panel by orienting the groove on door magnet so that when the door is closed, the magnet grooves mirror image each other (See FIGURE 10).
- Peel the backing from the magnet and apply down the inside of the latch side edge of the glass shower door panel. Trim the magnet flush at the top of the glass and the top of the Drip deflector.
- Close the shower door and adjust the Latch Jamb so the Latch Jamb and glass magnets line up and achieve maximum magnetic closure.
- Once the shower door sits flush and plumb. The final step is to secure the shower door to the walls by installing 3 - #6 X 3/8 PHPHSMS (ITEM#17) screws through the three factory holes in the Latch Jamb into the Jamb Filler.

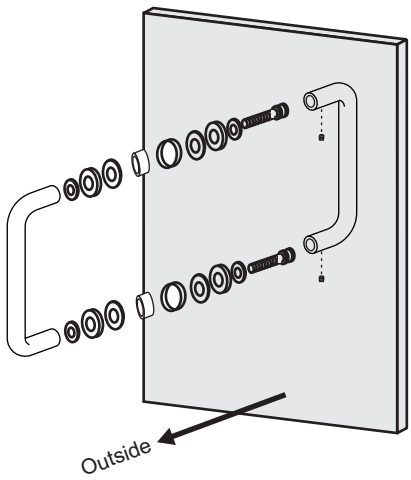
FIGURE 10



STEP 9 - HANDLE ASSEMBLY:
- The shower door handles come preassembled. In order to install the handles onto the shower door, the handles will need to be disassembled by using the provided 1/8" Allen Wrench. Remove the inside handle. The handle parts are in their proper order out of the box and will reassemble this way onto the glass. For reference, FIGURE 11 shows the proper order of the handle hardware parts .

WARNING: THIS SHOWER DOOR HANDLE SHOULD NOT BE INSTALLED WITHOUT THE CLEAR PLASTIC HOLE GROMMETS. The plastic grommets prevent the glass from touching the metal screws. If they come in contact the with the glass, the glass can break and create a serious safety hazard.

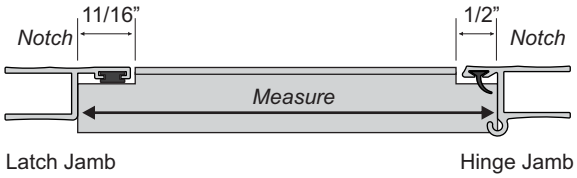
FIGURE 11



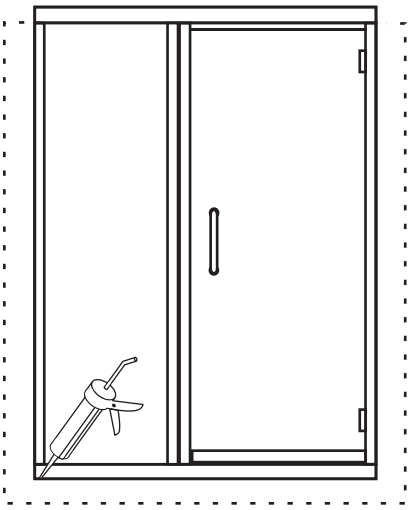
Installation Instructions
Models: ASD180/ASD280
1/4" Frameless Door & 180° Panel(s)

STEP 10 - HEADER FILLER:
- Measure between the Hinge Jamb and Latch Jamb at the header, then cut the Header Filler (ITEM #8), to this dimension. Notch ends both to fit. Refer to FIGURE 12.
- With the Header Filler water dam to the outside of the shower, firmly snap Filler into place in the Header between the Latch Jamb and the Hinge Jamb.

FIGURE 12



STEP 11 - CAULKING:
- First, seal each end of the Drip Deflector with caulk.
- Then run a bead of caulking the full length on the outside of the shower where each Wall Channel/Jamb Filler meets the wall and across the bottom where the Curb meets the shower base.

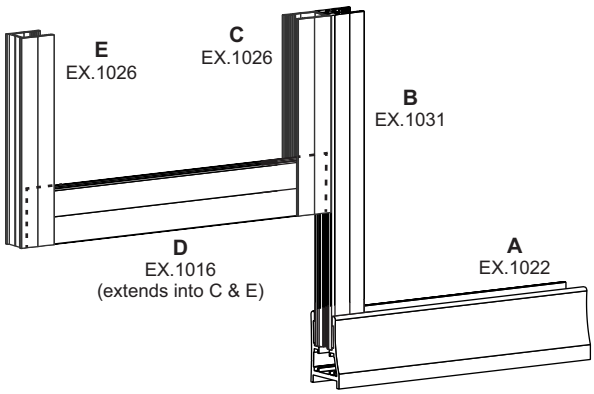


Installation Complete!
Thank you for choosing this great product!
Please refer to your Owner's Manual for Warranty Registration and Cleaning and Care Instructions

Questions or Comments:
1-800-843-3332

Special Case Instructions
Follow if configuration includes a Buttress or Notched Panel

BUTTRESS:
- Insert Foam Plug (ITEM #21) and Setting Blocks (ITEM #20) into Stall Curb **A**. See STEP 1 for details. Temporarily secure Stall Curb on centerline using painters tape.
- Set 180° Post **B** into the Stall Curb and align against buttress face. Plumb with Wall Channel **C** using a level before aligning remaining Buttress Sill **D** and Wall Channel **E**.
- Plumb **E** with a level and secure to wall.
- Reset Buttress Sill **D** into Wall Channel **E**.
- Remove posts **B** and **C**.
- Insert Setting Blocks into **D** and place Buttress Panel into channel.
- Reinstall posts **B** and **C** by sliding **C** over glass edge.
- Continue with STEP 1 on page 4 to set Stall Curb.



NOTCHED PANEL:
- Insert Foam Plug (ITEM #21) and Setting Blocks (ITEM #20) into Stall Curb **A**. See STEP 1 for details. Temporarily secure Stall Curb on centerline using painters tape.
- Slide Wall Channel **B** into Stall Curb and against buttress face. Plumb with a level.
- Dry fit Channels **C** and **D** so that **D** rests on **C** and against the back wall.
- Plumb **D** with a level and secure to wall.
- Secure Wall Channel **B** to wall using #8 X 1-1/2" screw(s) and anchor(s) (ITEM #16 and #19).
- Insert Setting Blocks into **C** and place Panel into channel.
- Continue with STEP 1 on page 4 to set Stall Curb.