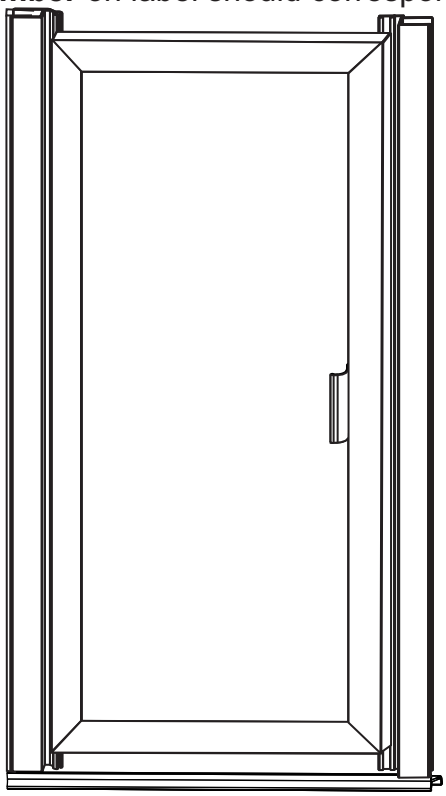
Installation Instructions for
BSD / FSD
3/16” Framed Swing door

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.



BSD / FSD

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)

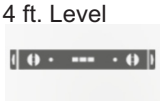
* #2 Phillips Screw driver

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

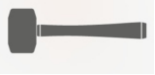
* Caulking gun

* Drill, electric or battery

* 4 ft. Level



* Rubber mallet



* Razor knife

Building Partners through Glass
HARTUNG GLASS INDUSTRIES

P/N MM.5050
rev061920

This installation sheet is a required component of HA.3029

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: FSD / BSD

3/16" Framed Swing Door

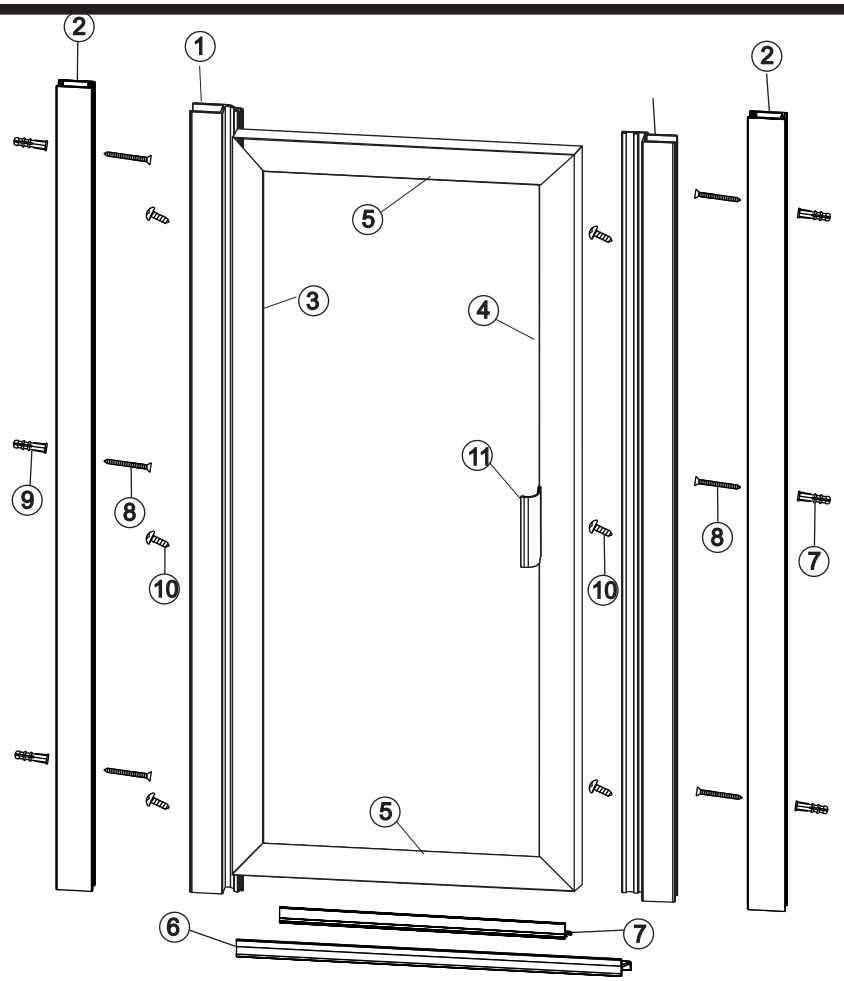
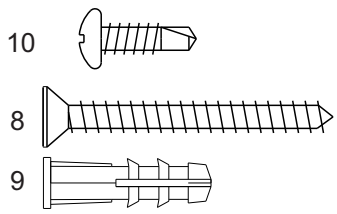


Illustration # 1

Parts List

Item	Part #	Description	QTY
1	1165	Hinge Jamb	1
2	1268	Jamb Fillers	2
3	1190	Hinge Rail	1
4	1191	Latch Rail	1
5	1192	Top / Bottom Rail	2
6	1019	Low Curb Dam Strip	1

Item	Part #	Description	QTY
7	VN.4197	Plastic Drip Deflector	1
8	BP.3027	#8 X 1 ½ FHPHSMS	6
9	BP.3027	Wall Anchor	6
10	BP.3027	#8 X ½ PHPHTEK	6
11		Handle Kit	1
12			

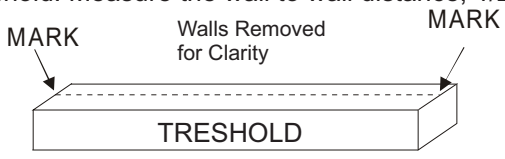


Extra screws may be provided for your convenience

Installation

STEP 1 CENTERLINE:

Locate as accurately as possible the centerline of the shower threshold and mark it with a water soluble marker. In most installations it would he the center of the threshold. Measure the wall to wall distance, 1/2" above the tub rim to allow for any radius or obstructions in the corners.



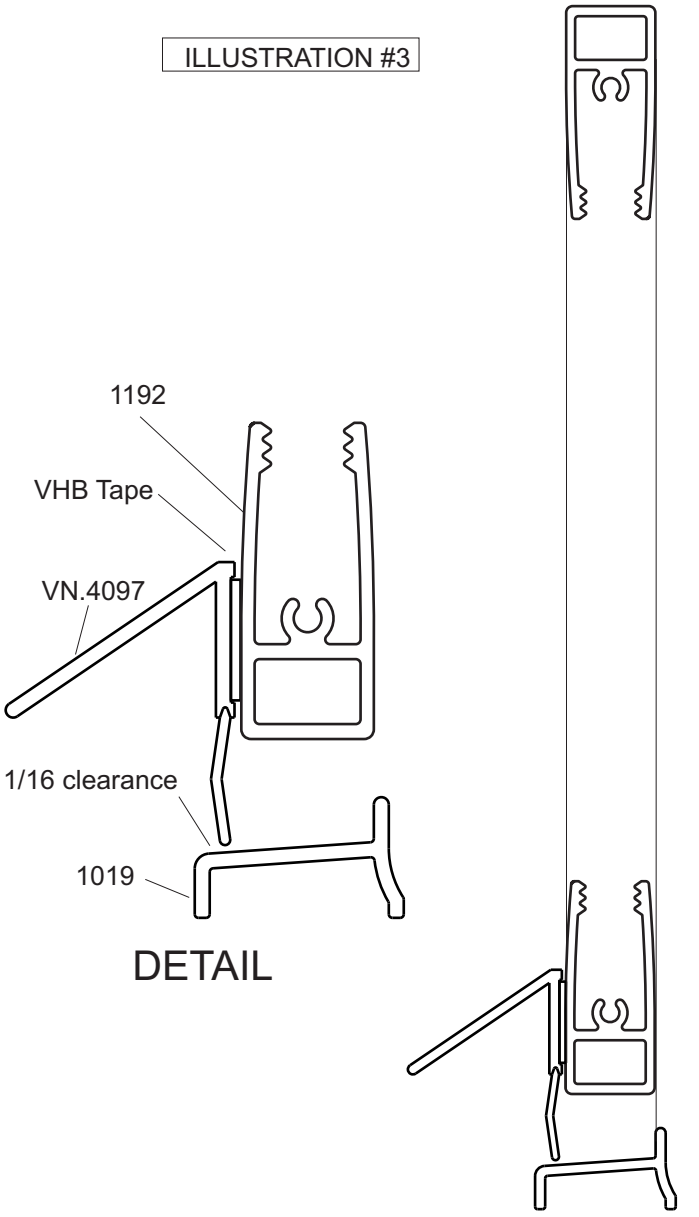
STEP 2 DAM STRIP:

Evaluate your threshold, if an inward slope is not present on your threshold use the options Low Curb Dam Strip, (Item #6) that is included with this product. If you are using the dam strip, measure from wall to wall at the base, and cut the dam strip 1/16" less than the opening. The door will be installed on top of the dam strip. If not using the dam strip start the installation on top of the threshold. If this is a door only installation cut the wall jambs down 1-1/16", to the same size as the hinge and strike jamb. Position the hinge side wall jamb on the dam strip or threshold over the centerline, plumb and mark hole locations. Drill 3/16" holes for the plastic anchors. Install the anchors, and place some sealant into the anchors, place wall jamb over the anchors and secure the wall jamb with #8X1-1/2" flathead screws. For the strike side wall jamb, set in place and plumb, then mark only the bottom mounting hole. Insert and anchor, and secure the bottom of the wall jamb tight enough to hold, but loose enough to adjust.

STEP 3 Strike Jamb:

Slide the strike jamb in place over the wall channel with only one screw in it, do not secure. Slide the hinge jamb over the fixed wall jamb. Adjust the door assembly and strike jamb so that the magnets work together and so that they are adjusted the same off each wall jamb. Use a level on the top of the door to ensure that it is level. Then drill though the top hole already in the hinge jamb into the wall jamb with a 1/8" drill bit. Secure the door with #8 X ½ pan head TEK screw, then drill the middle and bottom of the hinge jamb and secure in the same manner.

ILLUSTRATION #3



STEP 4

ADJUSTING STRIKE JAMB:

Re-adjust the strike jamb vertically by closing the door and moving the strike jamb over the wall jamb front to back on the wall, pivoting on the bottom screw until the strike jamb hits the door equally top to bottom making good magnetic contact. Mark this position, remove the Strike jamb, re-align the strike jamb to the mark, then mark the remaining two holes. Drill the wall, insert wall anchors, fill with silicone and secure with 2 - #8 X 1 ½ FH screws. Secure the stike jamb with 3 - #8 X ½ Pan Head TEK screws

STEP 5

DRIP ASSEMBLY:

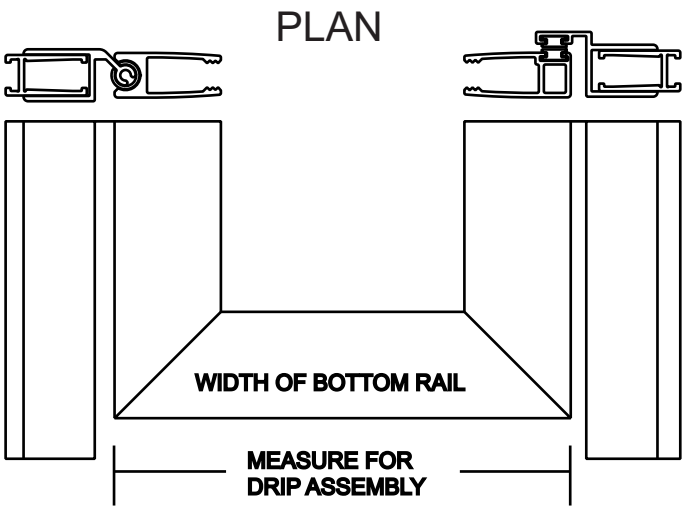
Measure the width of the door at the bottom and add ½" to to this dimension. You will need a notch at the hinge jamb side, so don't cut it off. Cut to length off the strike jamb side. you need to radius both ends of the finished bottom rail. use Scissors, cutter, or file. Peel off the backing and from the inside of the shower, with the door closed, apply the bottom rail at the bottom if the door. the sweep should be 1/16" above the 1019 dam strip if used, just barely touching the threshold with no dam strip.

STEP 6

SILICONE:

We recommend filing and sharp corners that may cause injuries, then clean and run a continuous bead of silcone sealant outside across the bottom if required and up both walls, sealing metal to tile.

These installation instructions must be followed to ensure proper operation of the door and to reduce the risk of serious injury. Any deviation from these instructions can result in a serious safety hazard.All exposed ends of aluminum that are rough, sharp or jagged due to the metal being cut, drilled or damaged should deburred, smoothed or rounded by the installer before installation. Failure to do so could result in serious injury to the user of the enclosure.



SAFETY WARNING:

For installation and technical support, please reference the shipping document, the box that the product was shipped in, or call the retail location where you Purchased the product.

ILLUSTRATION #6

FRAMED GLASS CHART

Overall Height (OAH) for Framed Swing Doors:

Standard Height = 67"
Special Height = 63-1/2"

Extra Height = 71"
Extra Height = 75-1/2"

Calculating Component sizes

#1165 Hinge Jamb = OAH minus 3/8""
#1193 Latch Jamb = OAH minus 3/8"
#1268 Jamb Filler = OAH plus 3/4"
#1190 Hinge Rail = OAH minus 1-3/8"
#1191 Latch Rail = OAH minus 1-3/8"
#1192 Top/Bott Rail = net opening minus 2-5/8"
Glass Panel Width = overall width minus 4-5/8"
Glass Panel height = Overall height minus 3-1/2"

Model Size	Fits Opening	Glass Size (Standard)	Jamb Pack
19	19" to 20"	14-3/8" x 63-1/2"	66-5/8"
20	20" to 21"	15-3/8" x 63-1/2"	66-5/8"
21	21" to 22"	16-3/8" x 63-1/2"	66-5/8"
22	22" to 23"	17-3/8" x 63-1/2"	66-5/8"
23	23" to 24"	18-3/8" x 63-1/2"	66-5/8"
24	24" to 25"	19-3/8" x 63-1/2"	66-5/8"
25	25" to 26"	20-3/8" x 63-1/2"	66-5/8"
26	26" to 27"	21-3/8" x 63-1/2"	66-5/8"
27	27" to 28"	22-3/8" x 63-1/2"	66-5/8"
28	28" to 29"	23-3/8" x 63-1/2"	66-5/8"
29	29" to 30"	24-3/8" x 63-1/2"	66-5/8"
30	30" to 31"	27-3/8" x 63-1/2"	66-5/8"
31	31" to 32"	28-3/8" x 63-1/2"	66-5/8"
32	32" to 33"	29-3/8" x 63-1/2"	66-5/8"
33	33" to 34"	30-3/8" x 63-1/2"	66-5/8"
34	34" to 35"	31-3/8" x 63-1/2"	66-5/8"
35	35" to 36"	32-3/8" x 63-1/2"	66-5/8"

* Standard glass thickness is 3/16"

** For Standard Special Height units, deduct 2" from the above tub glass heights and 5" from the above shower glass heights. Use these same deductions from the above for the Jamb Pack lengths for Standard Special Height units.