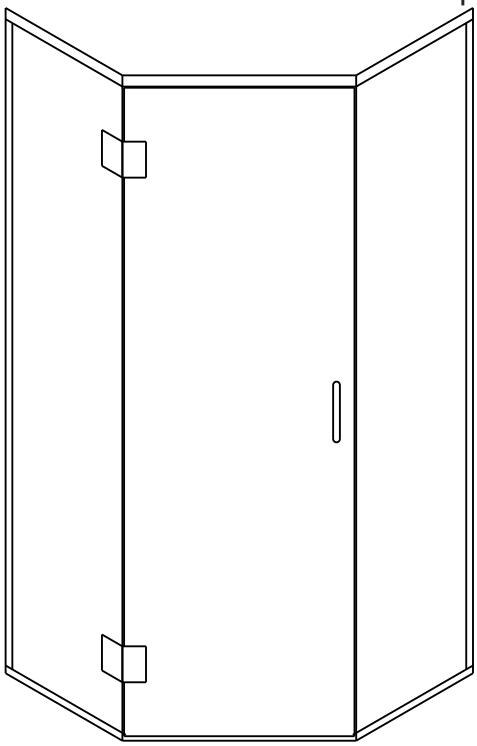
Installation Instructions for
HSDNEO/ESDNEO/QSDNEO or HLSDNEO/ELSDNEO/QLSDNEO
Swing Door with 2 - 135° Panels

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.



HSDNEO/ESDNEO/QSDNEO
HLSDNEO/ELSDNEO/QLSDNEO

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)

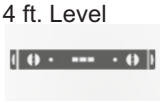
* #2 Phillips Screw driver

* 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.5016
rev061920

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 Instruction

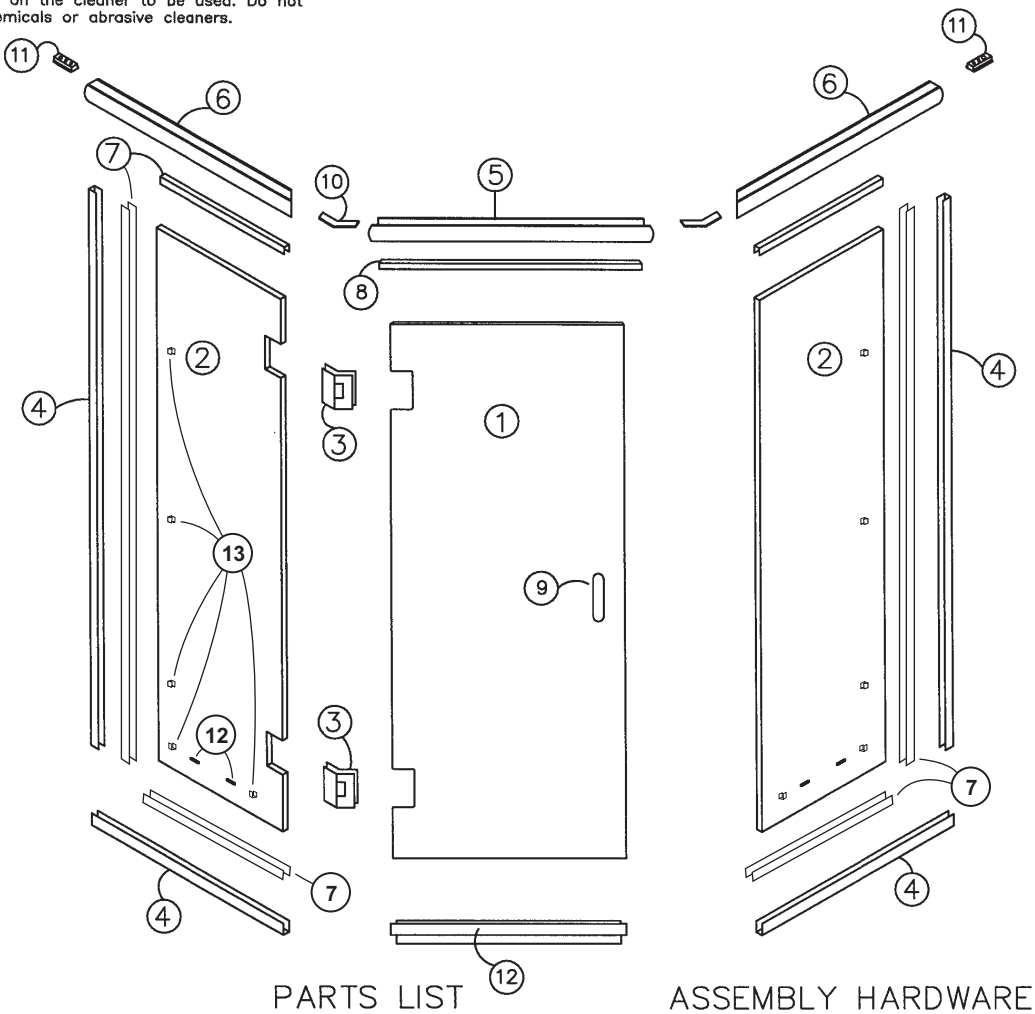
Models: HSDNeo (1/2-in), ESDNeo (3/8-in) or QSDNeo (1/4-in)

Models: HLSDNeo (1/2-in), ELSDNeo (3/8-in) or QLSDNeo (1/4-in)

WARNING: This is tempered glass. When working with glass, protect the edges at all times. Do not set the edge of the glass directly on any hard surface. Protect all of the edges from impact with with hard surface or object.

We recommend two person installation.

WARNING: To avoid damage to the finish of this deluxe enclosure, use only mild cleaners. Always read the label on the cleaner to be used. Do not use harsh chemicals or abrasive cleaners.



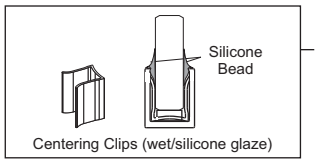
NOTE: Before beginning the installation, read all instructions and check that all parts contained in the carton and hardware package match those parts listed below.

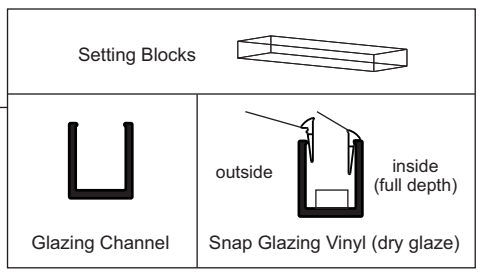
PARTS LIST

ITEM	NAME	QTY.
1.	Door Glass	
2.	Panel Glass	
3.	Hinges	
4.	Glazing Channel	
5.	Header–Center	
6.	Header–Returns	
7.	Snap Glazing Vinyl (dry glaze)	
8.	Crown Filler	
9.	Handle Assembly	
10.	Splice Plate	
11.	Wall Mount Bracket	
12.	Vinyl Sweep	
13.	Setting Blocks	
14.	Centering Clips (wet/silicone glaze)	

ASSEMBLY HARDWARE

ITEM	NAME	QTY.
1.	#8x1–1/2" screw	
2.	Plastic Anchors	





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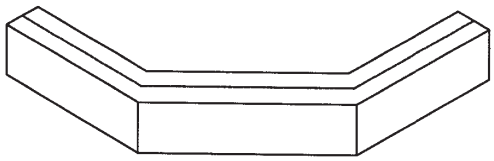
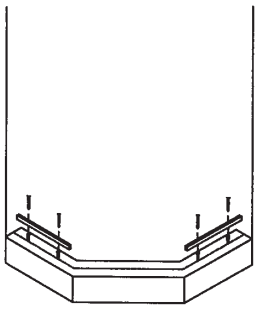
1. Mark the centerline of sill lightly in pencil.

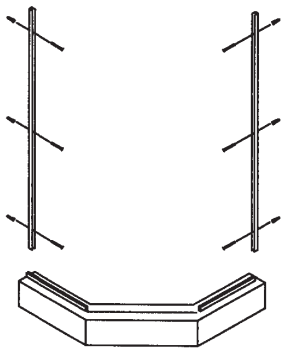


2. Center the bottom channel over the pencil mark on sill and butted up to the wall. Mark hole locations. Drill 3/16" holes and insert plastic anchors.

Inject silicone into wall anchors and secure channel to sill with #8X1-1/2 Screws. Cover screw heads with silicone



3. Center the wall channel above the u-channel on the sill. Plumb and mark the hole locations. Drill 3/16" holes and insert plastic anchors.Secure channel to wall with #8x1-1/2" screws.



4.Place 1/4" setting blocks inside bottom channel. Position the panel glass in the channel. Adjust the height of glass to be 3/8" above the top of wall channel. Adjustments can be made by changing the thickness of the setting blocks in the bottom channel. Check to make sure the panels are plumb. Check to make sure the spacing in-between the panels equals the width of the door glass plus 1/4". Adjust as neccessary.

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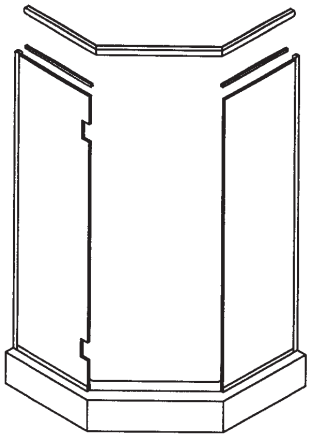
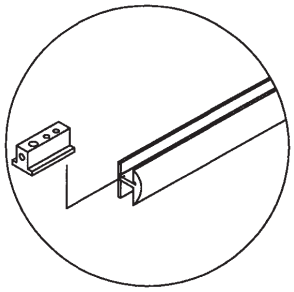
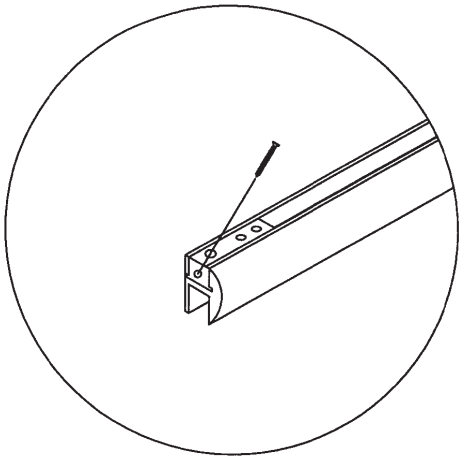
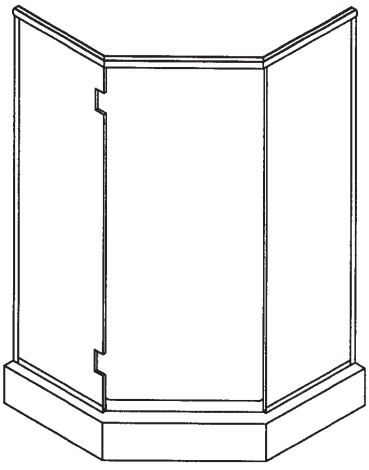
5. Measure along the top edge of panel and add 1/4". Using this measurement on the long side of the header cut to size at the square end of header. Assemble headers with splice plates. Use a 5/32" Allenhead wrench to tighten set screws. Slide the wall mounting brackets into ends of header. Measure the exposed top edge of the panel glass and cut the glazing vinyl to size. Install the glazing vinyl over top edge of the glass. Install the header assembly down over top edge of the glass panels. Check the header to make sure it is level, adjust if neccessary.





6. Position brackets at the walls and mark mounting hole locations on the wall. Remove header assembly. Drill a 3/16" hole in wall and insert plastic anchor. Reinstall header assembly and secure at wall with #8x1-1/2" screws. Use a 5/32" Allenhead wrench to tighten set screws.





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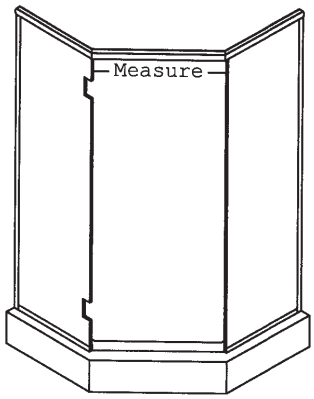
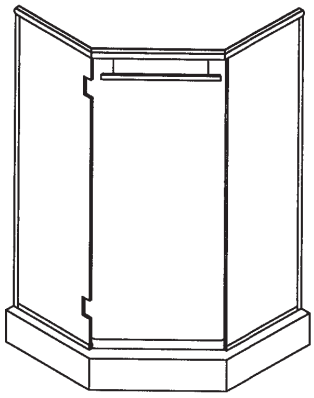
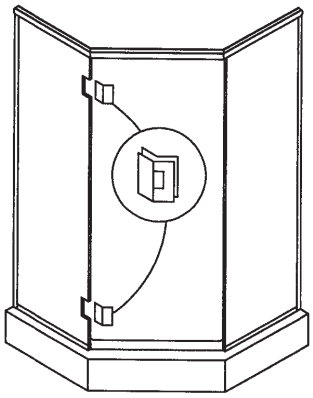
7.Check panels for proper positioning, adjust as neccessary. Panels may be locked in place temporarily by wedging a thin setting block between the glass and the channel. Measure open area between panels at header. Cut crown filler to size and snap into bottom side of header.



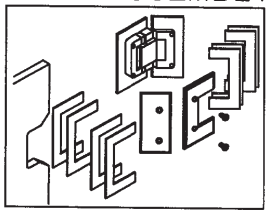


8. Place rubber gaskets on hinge as shown.(Use 2 gaskets on each side of hinge for 3/8" glass, one gasket per side for 1/2" glass) Install hinges on panel glass. Plumb hinge to glass and tighten screws in sequence as shown. Repeat the tightening sequence until a good hold is achieved. Place 1/2" shims along sill for door glass to rest on during installation. Place rubber gaskets on hinge and position door glass over hinge. Install rubber gaskets and backing plate with set screws. Plumb door glass and follow the tightening sequence, again repeat tightening sequence to achieve a good hold on glass. Remove shims and check door for proper operation. Adjust as neccessary.



Install hinge onto panel

HINGE ASSEMBLY



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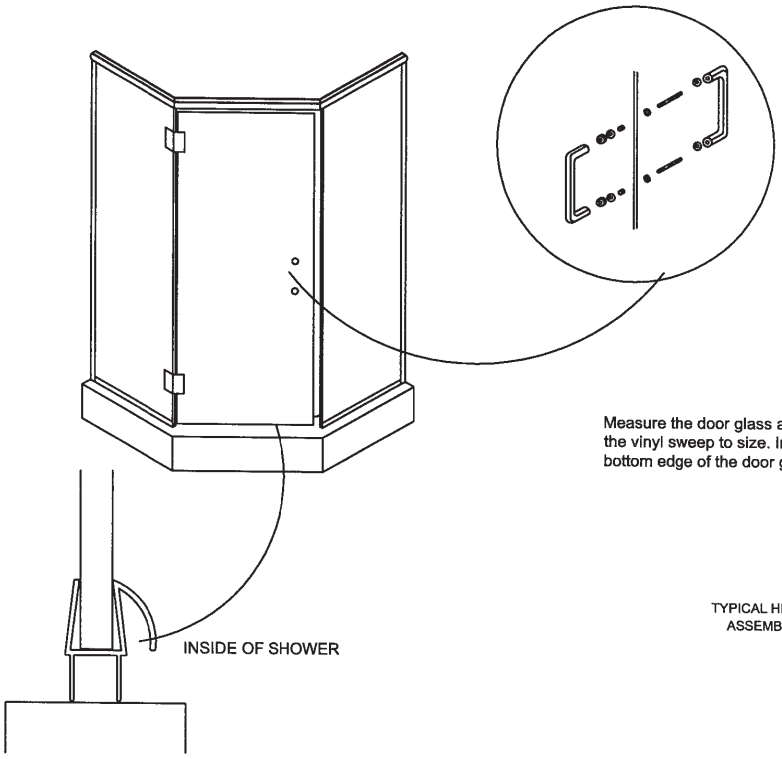
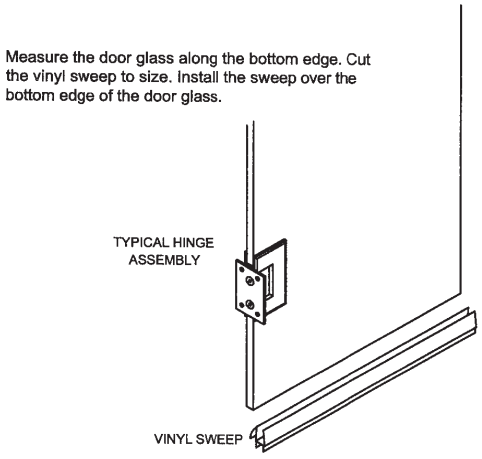
9. Install the handle through the hole in door glass using the plastic shims and bushing. Measure the width of the door glass at the bottom edge. Cut the vinyl sweep to size and install over the edge of the glass with the hood towards the inside of the shower.



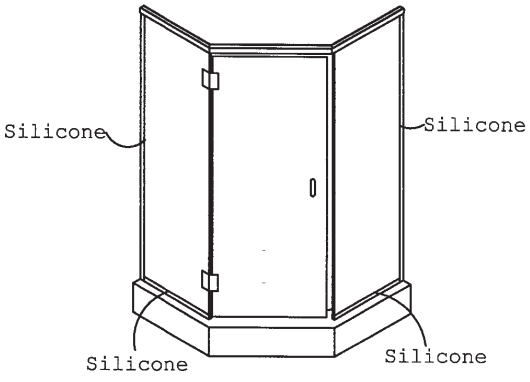


10.

Choose Glazing Method

— Wet/Silicon Glaze Option

INSERT CENTERING CLIPS INTO THE BOTTOM AND WALL CHANNELS. ENSURE SETTING BLOCKS ARE IN CURB AS WELL. RUN A SMALL CONTINUOUS BEAD OF SILICONE ON BOTH SIDES OF STATIONARY PANELS WHERE THE U-CHANNEL AND GLASS MEET. ALLOW 24 HOURS FOR THE SILICONE TO CURE BEFORE USING THE SHOWER.



— or Dry Glaze Option

USE SNAP GLAZING VINYL ON BOTH SIDE OF THE GLASS TO SECURE THE PANEL INTO POSITION
NOTE: DO NOT USE CENTERING CLIPS IF YOU CHOOSE TO DRY GLAZE THE PANEL