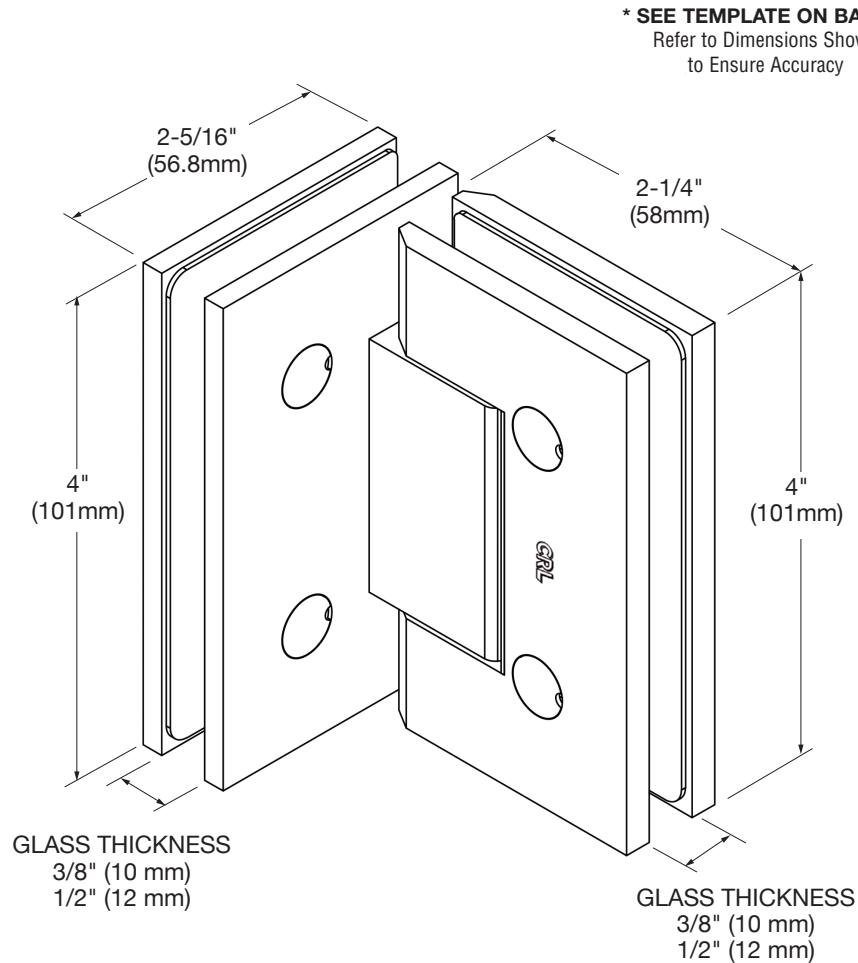




TRENTO

90° Glass-to-Glass Hinge
CAT. NO. TNT092

***NOTE:** Do not exceed either maximum weight or width when choosing proper quantity of hinges.

Important Information:

1) This Hinge contains a dual degree pivot pin. The pivot pin is set for normal door closing position. You have the option of altering the closing position of the door 5 degrees inward by utilizing the opposite side of the pivot pin, which has been pre-machined.

2) The Trento Hinge is designed to accommodate two types of cut-outs in the glass. If the two steel pins in the body of the Hinge are left in place, the "mouse ear" cut-out option should be used. This application is recommended to prevent slippage.

Specifications:

Glass Sizes: 3/8" (10mm) to 1/2" (12mm) thick tempered safety glass
Construction: Solid brass
Closing Type: Self-centering when within 15° of closed position
Max Clamping Screw Torque: 60-70 lbf-in (677.99-790.9 cN·m)

Maximum Door Capacities: Two Hinges Three Hinges

Maximum Door Weight:	140 lbs.	175 lbs.
Maximum Door Width:	40"	40"

Use of Gaskets:

One gasket on each side for either 3/8" (10mm) or 1/2" (12mm) glass

Parts Included:	QTY	Parts Included:	QTY
Hinge	1	Phillips Flat Head Screws	4
NAF Gaskets	4	Flat Allen Head Screws	4
Clamp Screw Covers	4	4mm Allen L-Key	1

Maintenance Guidelines:

- Our hinges are greased at the factory for quiet and trouble-free operation. If there is any squeaking that occurs after installation, put a drop of "3 in 1 Oil" (also known as "household oil") on the white nylon washer that the hinge body pivots on. This washer is the component that acts as a buffer, so the body of the hinge doesn't pivot directly on the brass center block. This solution doesn't require the disassembly of the hinge. **Note: Do not use spray lubricant on these hinges.** If the hinge has been disassembled, upon re-assembly, use white lithium grease to lubricate the interior mechanism.
- Never use an abrasive cleaner on the hardware. Many of the components are coated with a clear lacquer that will be irreparably damaged if subjected to harsh, abrasive chemicals. Advise your customer that drying the hardware with a clean, soft towel on a daily basis is the best way to maintain the hardware. If mineral deposits build-up, mix a couple of drops of a mild liquid soap (such as Ivory or a similar product) into a cup of warm water. Using a soft, non-abrasive cloth, clean the hardware. Rinse thoroughly with clean, warm water and dry.

For Technical Assistance in the United States and Canada 1.800.421.6144. Press 2, then option 1

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"Mouse-Ear" Cut-out Option

The image contains two technical drawings of templates for a window or door assembly, labeled "FIXED PANEL TEMPLATE" and "DOOR TEMPLATE".

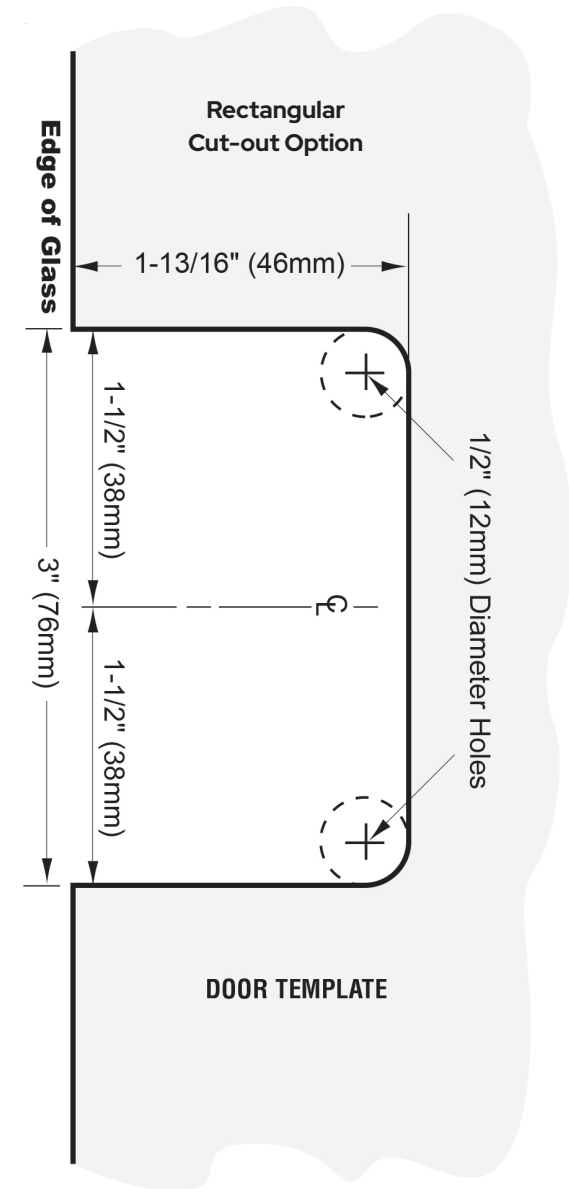
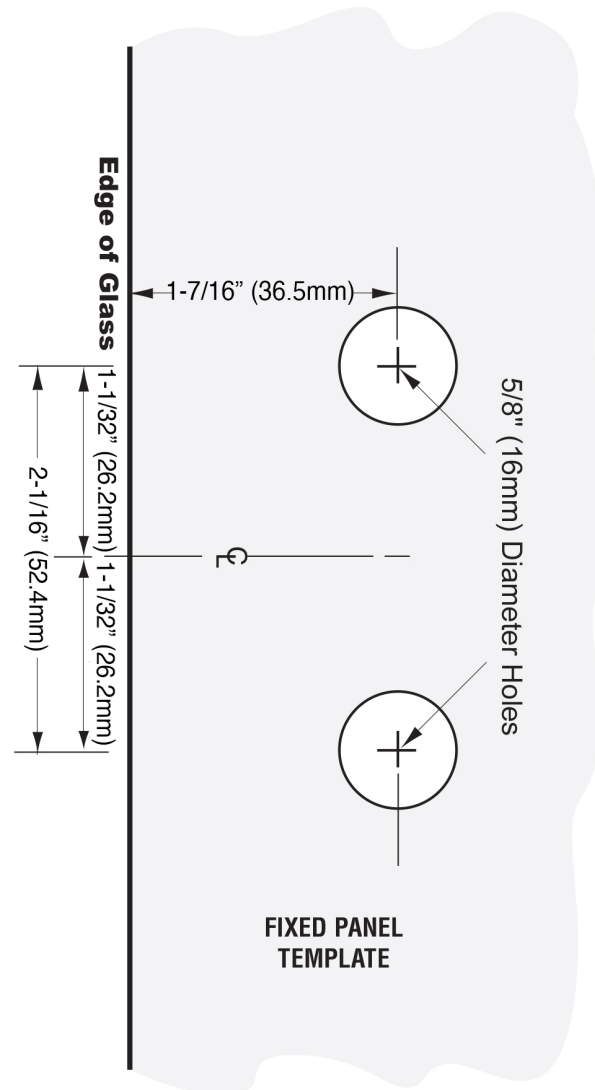
FIXED PANEL TEMPLATE: This template is rectangular with two circular holes. The dimensions are as follows:

- Overall width: $2\text{--}1/16''$ (52.4mm)
- Distance from left edge to first hole center: $1\text{--}1/32''$ (26.2mm)
- Distance between hole centers: $1\text{--}1/32''$ (26.2mm)
- Distance from second hole center to right edge: $1\text{--}1/32''$ (26.2mm)
- Hole diameter: $5/8''$ (16mm)
- Distance from top edge to hole centers: $1\text{--}7/16''$ (36.5mm)
- Label: "Edge of Glass" points to the top edge.

DOOR TEMPLATE: This template is rectangular with rounded ends and a central cutout. The dimensions are as follows:

- Overall width: $3''$ (76mm)
- Distance from left edge to first rounded end: $1/8''$ (3mm)
- Distance from first rounded end to cutout center: $1\text{--}3/8''$ (35mm)
- Distance from cutout center to second rounded end: $1\text{--}3/8''$ (35mm)
- Distance from second rounded end to right edge: $1/8''$ (3mm)
- Distance from top edge to rounded ends: $1\text{--}13/16''$ (46mm)
- Distance from top edge to cutout center: $1\text{--}9/16''$ (40mm)
- Radius of rounded ends: $1/4''$ (6mm)
- Label: "Mouse-Ear Cut-out Option" points to the rounded ends.
- Label: "CUT OUT" points to the central cutout.
- Label: "Edge of Glass" points to the top edge.

IMPORTANT: Project measurements from the edge of the glass.



TRENTO

90° Glass-to-Glass Hinge

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Rectangular Cut-out Option

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Troubleshooting/Best practices

1. As a preventive measure, or if the shower door is falling out of adjustment, setting blocks can be used to hold the glass in place to make sure the glass doesn't slip. Insert a hard setting block with a durometer rating of 85-90 between the body of the hinge and the glass cutout. This creates a physical barrier that helps secure the hinge in place, significantly reducing the likelihood of future movement or misalignment.

Situations to consider blocking

- For high-traffic commercial installations, especially in large-scale projects.
- When installing large doors that rely on glass-to-glass hinges.
- When working with glass cutouts that are near the maximum allowable size tolerances.

Note: Be sure the setting block is sized correctly to avoid putting excessive pressure on the glass. CRL offers a range of setting blocks from 1/16" to 3/8" thicknesses. Visit www.crlaurence.com for setting block parts.

2. When making deductions for door glass sizes, determine if seals are to be used, as their inclusion can affect glass sizing. If a seal is to be used adjacent to a door, the gap required for the seal may be larger than if no seal were used.
3. Apply a medium-strength threadlocker to the clamping screws to promote a secure hold.
4. Do not use power tools when installing these hinges.

General Guidelines for Installation Safety

For public safety, we recommend the use of only tempered safety glass.

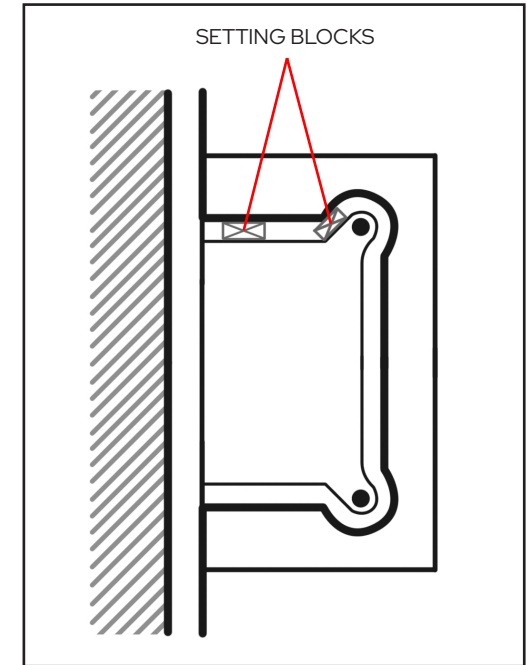
Protect the installer

- Wear appropriate personal protective equipment (PPE) including protective eyewear.
- File all sharp edges on plastics and metal. Leave no sharp edges that could cause harm.
- Lift any heavy materials safely using proper techniques.
- Be OSHA compliant on jobs.

* Reference National Glass Association (NGA) installation manual for more details.

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A wall mounted hinge door with setting block material between the body of the hinge and the glass cutout to block the glass into position.