PEAK® MountainView™ Installation Guide

12 mm Glass Railing with Stainless Steel

Tools and Materials Needed

- Chop saw or hacksaw with stainless steel cutting blade
- Level
- Measuring tape
- String or chalk line
- Hex keys: 2.5 mm, 3 mm, 4 mm, 5mm, 6 mm
- Utility knife
- Drill
- Drill bits for wood: 1/4", 5/32"
- Drill bit for stainless steel: 1/4"
- Socket or hex driver: 3/8"
- T40 Torx driver bit
- Rubber mallet
- Dish soap
- Non-corrosive exterior silicone caulking
- Concrete anchoring fasteners (for concrete applications only, see page 2 for details)

Fasteners Supplied


5/16" Pan head screw


5/8" Wafer head screw


11/16" Wafer head screw


1/2" Flat head screw


5/8" Flat head screw and nut


2" Lag screw with washer


6" Self-drilling wood screw

See our helpful installation videos on our website: peakproducts.com

IMPORTANT INFORMATION

- Before beginning work, read this installation guide in its entirety including all warnings and important information.
- Throughout this installation guide, this symbol indicates important information: ⚠

- This installation guide is updated occasionally. Please scan the QR code to refer to the latest version at:

CANADA:
https://peakproducts.com/en-ca/mountainview-glass-railing/installation-guides-videos/

USA:
https://peakproducts.com/en-us/mountainview-glass-railing/installation-guides-videos/

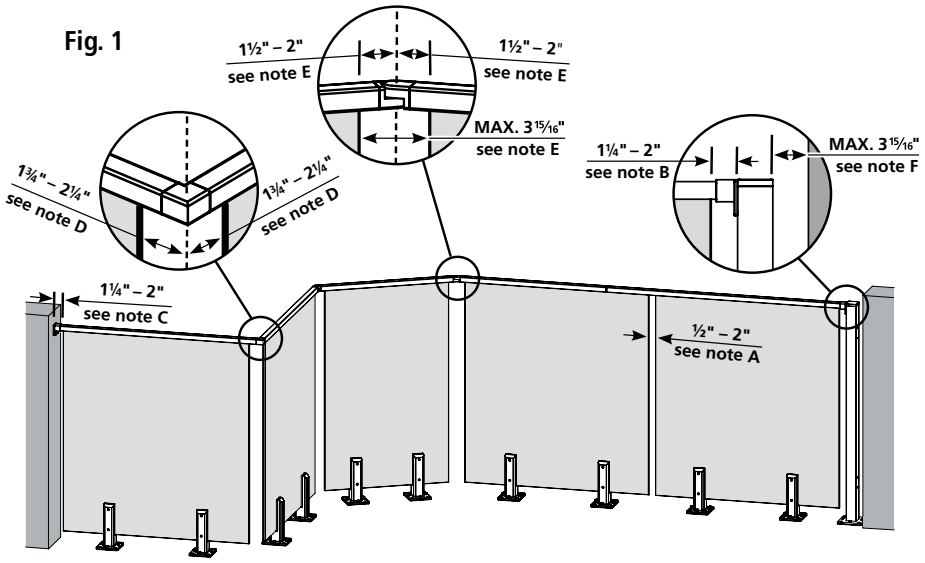
- Always understand and comply with your local building codes.+
  +Conditions apply. For details scan the QR code to visit:

CANADA:
https://peakproducts.com/en-ca/mountainview-glass-railing/compliance

USA:
https://peakproducts.com/en-us/mountainview-glass-railing/compliance

- Maximum glass panel width of 36".
- Peak® MountainView™ railing is designed for Residential[1] use only, and not for any commercial use.
  [1] Guards within dwelling units and exterior guards serving not more than two dwelling units.
- For multi-residential construction, please call Peak Customer Service at **1-877-883-PEAK (7325)** or email: **cservice@peakproducts.com**
- To prevent wood splitting and rot, drill pilot holes and coat fastener screw threads with non-corrosive exterior silicone caulking.
- For building code compliance and to ensure top rail brackets and screws do not interfere with glass panels (as shown in Figure 1 below):
  A: Ensure the distance between glass panels is minimum 1/2" and maximum 2".
  B: Ensure the distance between glass panels and posts is minimum 1-1/4" and maximum 2".
  C: Ensure the distance between glass panels and walls is minimum 1-1/4" and maximum 2".
  D: Ensure the distance between glass panels and the center of a corner bracket is minimum 1-3/4" and maximum 2-1/4".
  E: Ensure the distance between glass panels and the center of an angle bracket is minimum 1-1/2" and maximum 2". Ensure total distance between glass panels does not exceed 3-15/16".
  F: Ensure the distance between a post and a wall does not exceed 3-15/16".

Fig. 1



⚠WARNING Only use Peak® MountainView™ Spigot with 12 mm Peak® MountainView™ Tempered Glass Railing Panels along with a complete Peak® MountainView™ railing system, including Top Rails. Failure to do so may result in death or serious injury.

No representation or warranty is given that your particular application of these products complies with relevant building codes or that the fasteners provided or used are appropriate for your application. Consult with professionals and local building officials before beginning work: (i) to ensure compliance with relevant building codes for your application and for your proposed use of fasteners; (ii) to ensure the integrity of the structural components in connection with which these products are to be used; (iii) to identify appropriate safety gear that is to be used during installation such as a safety harness when working above ground; (iv) to ensure that the work area is free from utilities, services and hazards; and (v) to clarify any instructions or warnings that may not be clear. Work in a safe manner wearing protective gear such as gloves, eyewear, headwear, footwear and clothing. When using tools comply with operation manuals and instructions. Metal and glass may have sharp edges and could fragment or splinter during or as a result of handling or cutting. Do not use these products in connection with any substance that is or may be harmful or corrosive to the products. Inspect and maintain these products and the structural components that they are used in connection with on a regular basis, using professionals when appropriate.

No member of The Peak Group of Companies (as defined at www.peakproducts.com) shall be liable for any loss or damage resulting from the improper installation or use of this product. In the unlikely event that any member of The Peak Group of Companies becomes liable for any loss or damage, the aggregate liability shall be limited to the retail purchase price of the product. Peak products and associated materials are protected by patents, designs, copyrights and/or trademarks used under license from Peak Innovations Inc.

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ANCHORING FASTENERS

For typical single-family detached houses, engineering design and testing has determined appropriate fasteners for the attachment of the spigot, post base, and end bracket to certain wood or concrete structures. Building codes may vary. Always understand and comply with your local building codes. For further information visit:

CANADA: https://peakproducts.com/en-ca/mountainview-glass-railing/compliance

USA: https://peakproducts.com/en-us/mountainview-glass-railing/compliance

For multi-residential construction, please call Peak Customer Service at **1-877-883-PEAK (7325)** or email: **cservice@peakproducts.com**

SPIGOT and POST BASE typical anchoring fasteners

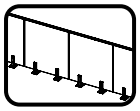
Deck Structure	Fasteners Required	Mimimum Embedment[1]	Mimimum Edge Distance	Pilot Hole
New SPF Lumber	4 x 3/8" x 6" Self-drilling wood screw (provided with product)	3-1/2"	3/4"	not required
Concrete 20 MPa (3000 psi) minimum strength	4 x 3/8" x 4" Buildex Tapcon+ (not provided)	3"	1-3/8"	3/8"

END BRACKET typical anchoring fasteners

Deck Structure	Fasteners Required	Mimimum Embedment[1]	Mimimum Edge Distance	Pilot Hole
New SPF Lumber	4 x 1/4" x 2" Lag Screw (provided with product)	1"	3/8"	5/32"
Concrete 20 MPa (3000 psi) minimum strength	4 x 1/4" x 2-1/4" Buildex Tapcon (not provided)	2"	1-3/8"	3/16"

[1] Depth of the threaded portion of the screw into the supporting structure.

RAILING INSTALLATION WITH NO CORNER



Before starting this installation, mark the centerline of the railing using a string or chalk line, then mark the precise location of the components including glass panels, spigots, posts, top rail and brackets. Read all warnings and important information, and ensure the distances between components comply with Fig. 1 on page 2.

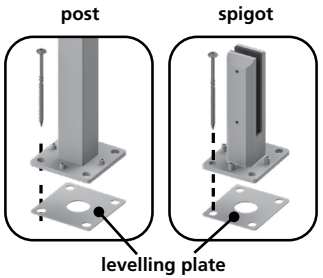
⚠ Always use two people to handle glass panels. Always lift a glass panel by its sides. Tempered glass is extremely fragile – do not bump the edges or contact with metal. Always use protective gear including eyewear and gloves when handling glass panels.

1 Measure and mark the position of all spigots and posts and ensure they are aligned using a string or chalk line. Also ensure spigots are positioned at the quarter points of each glass panel (each glass panel requires two spigots). For wood attachment, install four 6" self-drilling wood screws through each corner of the spigots and post bases with levelling plates. Do not fully tighten.

⚠ To prevent splitting of deck boards, drill four 1/4" pilot holes through deck boards (but not into deck structure).

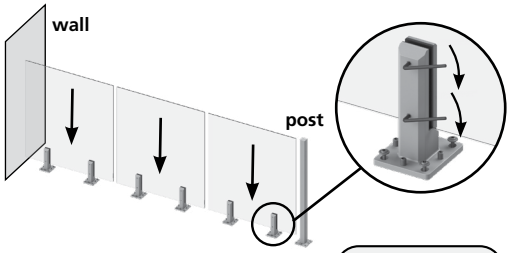
⚠ To prevent wood splitting and rot, drill pilot holes and coat fastener screw threads with non-corrosive exterior silicone caulking.

⚠ For concrete attachment, refer to page 3 for anchoring fastener recommendations.

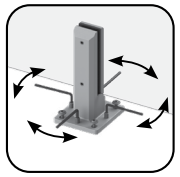


2 Install the first glass panel into two spigots and ensure it is centered. To secure glass to spigot, tighten two screws on each spigot using 5 mm hex key. Repeat for all remaining sections.

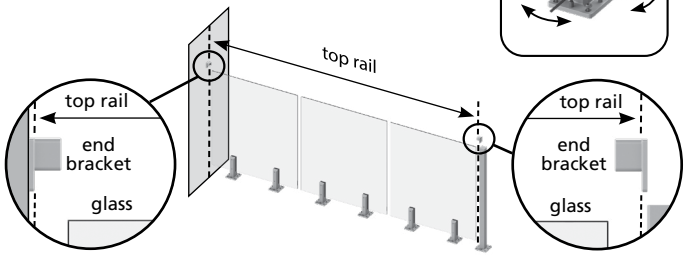
⚠ Do NOT overtighten screws.



3 Adjust the four levelling screws on each spigot with 5 mm hex key until top of all glass panels are aligned and level with deck surface. Then tighten all 6" self-drilling wood screws.



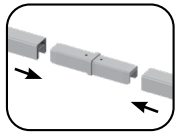
4 To determine the length of top rail, position end brackets on wall or post at each end of railing. Measure distance to fit top rail between end brackets.



5 ⚠ Only complete this step for top rails longer than 8'.

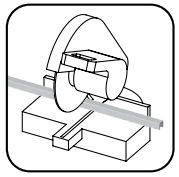
To join two top rails together, insert mid bracket into first and second top rails.

⚠ Ensure mid bracket is fully engaged in each top rail.



6 Remove gasket and cut top rail using chop saw or hacksaw with stainless steel cutting blade.

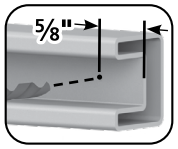
PRO TIP: Measure twice, cut once!



7 ⚠ Only complete this step for ends of top rail that are not factory-cut.

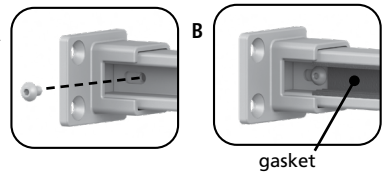
Drill 1/4" hole through bottom of rail 5/8" from end using drill bit for stainless steel.

PRO TIP: Be careful not drill through top of rail!



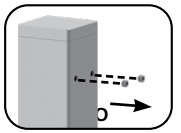
8 **A.** Attach end brackets to top rail with 5/16" pan head screws using 3 mm hex key. To allow for top rail length variability, do not fully tighten screw; the connection should be loose (will be secured in Step 13).

B. Using utility knife, cut gasket to length shorter than top rail to leave end bracket screws exposed. Then reinstall gasket inside top rail.



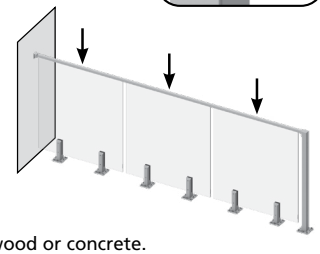
9 ⚠ Only complete this step if you are connecting an end bracket to a post.

Use a 3 mm hex key to remove hole cover from top two holes in post.



10 Position rail on top of glass panels. Ensure that top rail gasket and top edge of glass panels are well lubricated with liquid soap before installing onto glass panel. Push rail down on to the glass panels until fully seated.

PRO TIP: Tap handrail into place using rubber mallet.



11 ⚠ Only complete this step if you are connecting an end bracket to wood or concrete.

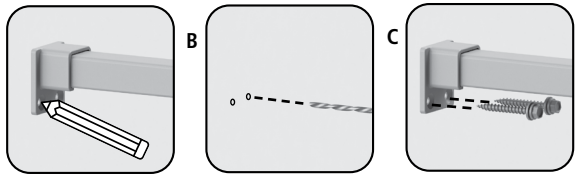
For wood attachment:

A. Mark hole locations for end bracket on wall. Then remove top rail and brackets, and remove first and last glass panels.

B. Drill 5/32" pilot holes, 2" deep, then reinstall first and last glass panels, top rail, and brackets.

C. Secure bracket using 2" lag screws with washers.

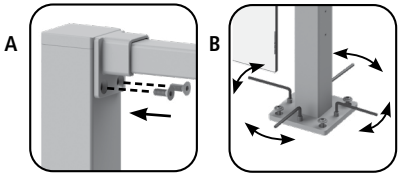
⚠ For concrete attachment, refer to page 3 for anchoring fastener recommendations.



12 ⚠ Only complete this step if you are connecting an end bracket to a post.

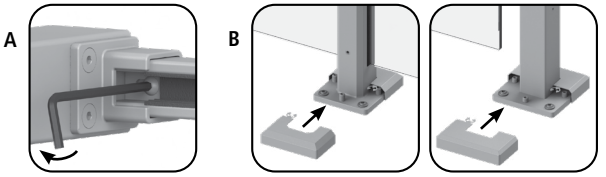
A. Secure end bracket to post using two 5/8" flat head screws.

B. Turn set screws on post base with 5 mm hex key until they touch the leveling plate. Then, tighten 6" self-drilling wood screws to secure

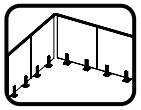


13 **A.** To secure top rail to end brackets, tighten 5/16" pan head screws with 4 mm hex key.

B. Install base covers on spigots and posts.



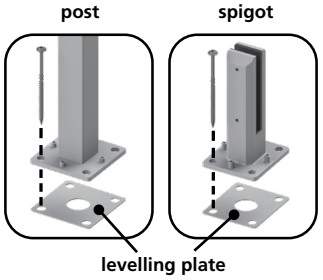
RAILING INSTALLATION WITH CORNER



Before starting this installation, mark the centerline of the railing using a string or chalk line, then mark the precise location of the components including glass panels, spigots, posts, top rail and brackets. Read all warnings and important information, and ensure the distances between components comply with Fig. 1 on page 2.

⚠ Always use two people to handle glass panels. Always lift a glass panel by its sides. Tempered glass is extremely fragile – do not bump the edges or contact with metal. Always use protective gear including eyewear and gloves when handling glass panels.

1 Measure and mark the position of all spigots and posts and ensure they are aligned using a string or chalk line. Also ensure spigots are positioned at the quarter points of each glass panel (each glass panel requires two spigots). For wood attachment, install four 6" self-drilling wood screws through each corner of the spigots and post bases with levelling plates. Do not fully tighten.

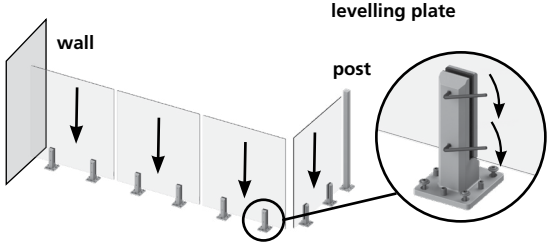


⚠ To prevent splitting of deck boards, drill four 1/4" pilot holes through deck boards (but not into deck structure).

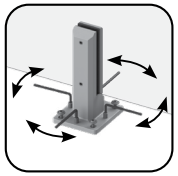
⚠ To prevent wood splitting and rot, drill pilot holes and coat fastener screw threads with non-corrosive exterior silicone caulking.

⚠ For concrete attachment, refer to page 3 for anchoring fastener recommendations.

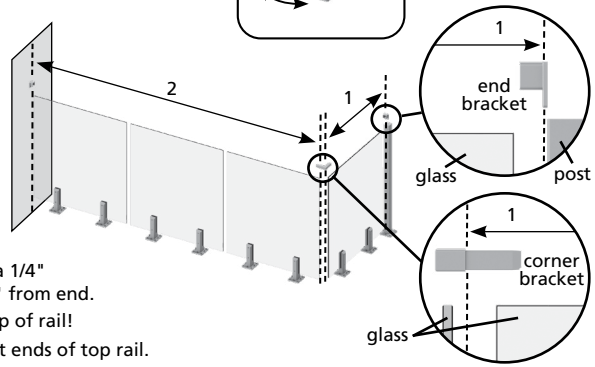
2 Install the first glass panel into two spigots and ensure it is centered. To secure glass to spigot, tighten two screws on each spigot using 5 mm hex key. Repeat for all remaining sections.



3 Adjust the four levelling screws on each spigot with 5 mm hex key until top of all glass panels are aligned and level with deck surface. Then tighten all 6" self-drilling wood screws.



4 To determine the length of top rail (1), position end bracket on wall, and corner or angle bracket at corner. Measure distance to fit top rail between brackets. Repeat procedure to determine length of top rail (2).



5 To install a corner or angle bracket:

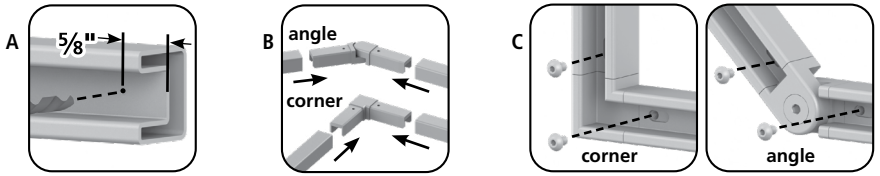
A. Remove gasket from top rails. Drill a 1/4" hole through bottom of top rail, 3/8" from end.

PRO TIP: Be careful not drill through top of rail!

⚠ Drilling not required for factory-cut ends of top rail.

B. Insert bracket into first and second top rails. Ensure bracket is fully engaged in each top rail.

C. Secure angle or corner bracket to top rails with 5/16" pan head screws using 3 mm hex key.



6 ⚠ Only complete this step for straight lengths of top rail exceeding 8'.

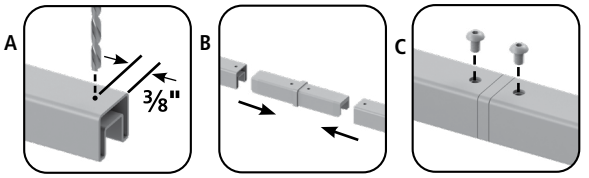
To join two top rails together:

A. Drill 1/4" holes through top of rails, 3/8" from end.

B. Insert bracket into first and second top rails. Ensure bracket is fully engaged in each top rail.

C. Secure bracket to top rails with 5/16" pan head screws using 3 mm hex key.

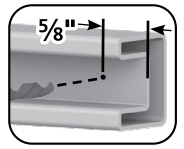
PRO TIP: For additional rail connection options, refer to our website.



7 ⚠ Only complete this step for ends of top rail that are not factory-cut.

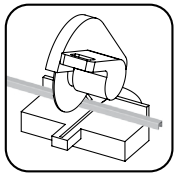
Drill 1/4" hole through bottom of rail 5/8" from end using drill bit for stainless steel.

PRO TIP: Be careful not drill through top of rail!



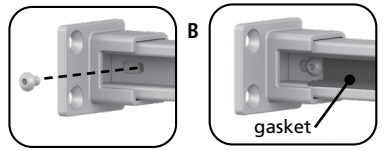
8 Remove gasket and cut top rail using chop saw or hacksaw with stainless steel cutting blade.

PRO TIP: Measure twice, cut once!



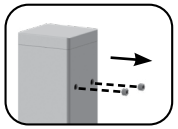
9 **A.** Attach end brackets to top rail with 5/16" pan head screws using 3 mm hex key. To allow for top rail length variability, do not fully tighten screw; the connection should be loose (will be secured in Step 12).

B. Using utility knife, cut gasket to leave screws exposed at end, corner and angle bracket locations. Then reinstall gasket inside top rail.



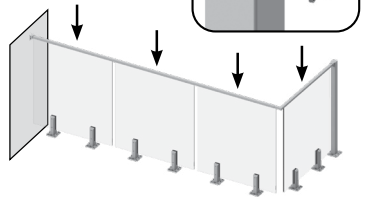
10 ⚠ Only complete this step if you are connecting an end bracket to a post.

Use a 3 mm hex key to remove hole cover from top two holes in post.



11 Position top rail on top of glass panels. Ensure that top rail gasket and top edge of glass panels are well lubricated with liquid soap before installing onto glass panel. Push top rail down on to the glass panels until fully seated.

PRO TIP: Tap handrail into place using rubber mallet.



12 ⚠ Only complete this step if you are connecting an end bracket to wood or concrete.

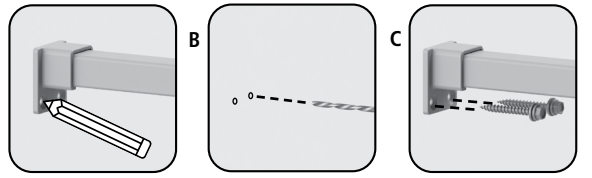
For wood attachment:

A. Mark hole locations for end bracket on wall. Then remove top rail and brackets, and remove first and last glass panels.

B. Drill 5/32" pilot holes, 2" deep, then reinstall first and last glass panels, top rail, and brackets.

C. Secure bracket using 2" lag screws with washers.

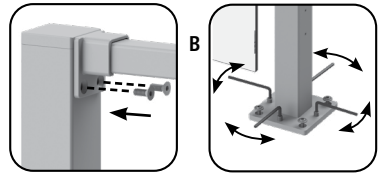
⚠ For concrete attachment, refer to page 3 for anchoring fastener recommendations.



13 ⚠ Only complete this step if you are connecting an end bracket to a post.

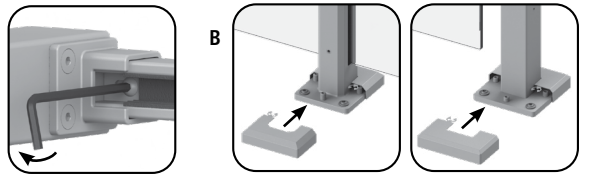
A. Secure end bracket to post using two 5/8" flat head screws.

B. Turn set screws on post base with 5 mm hex key until they touch the leveling plate. Then, tighten 6" self-drilling wood screws to secure post.



14 **A.** To secure top rail to end brackets, tighten 5/16" pan head screws with 4 mm hex key.

B. Install base covers on spigots and posts.



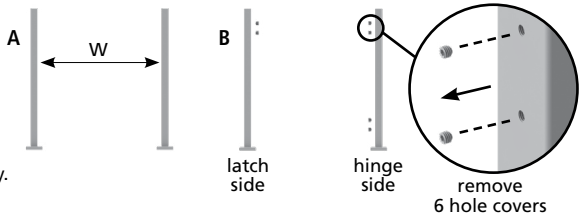
GATE INSTALLATION

⚠ Always use two people to handle glass panels. Always lift a glass panel by its sides. Tempered glass is extremely fragile – do not bump the edges. Always use protective gear including eyewear and gloves when handling glass panels.

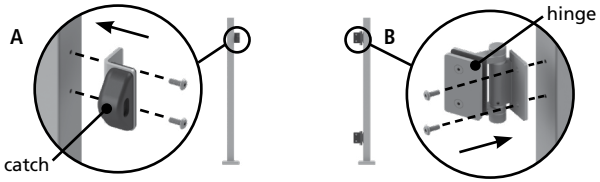
1 **A.** Ensure the required gate opening:

Gate panel size	Gate opening (W)
36"	37½"
42"	43½"

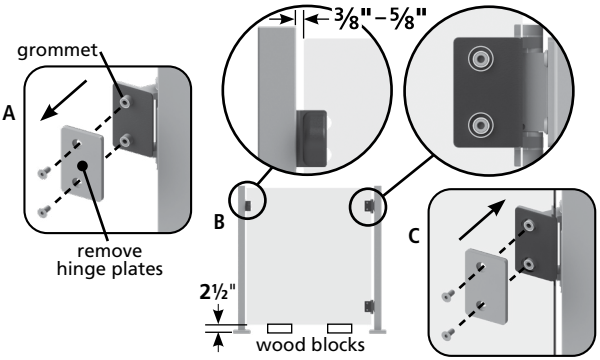
B. Choose gate swing direction, then remove hole covers using 3 mm hex key.



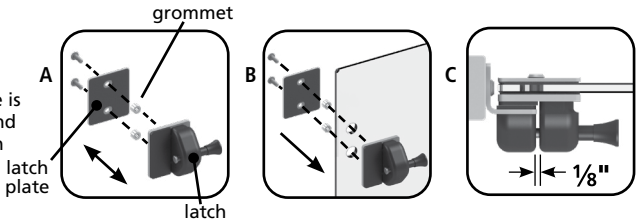
2 **A.** Fasten latch catch to post with 5/8" wafer head screws using 4 mm hex key.
B. Fasten gate hinges to opposite post with 5/8" wafer head screws using 4 mm hex key.



3 **A.** Remove hinge plates from hinges using 4 mm hex key, leaving plastic grommets in position on hinges.
B. Position gate panel 2-1/2" above deck surface, using wood blocks for support. Align holes on gate panel with hinges and ensure the space between glass and latch side post is 3/8" - 5/8".
C. Fasten hinge plates using 4mm hex key.



4 **A.** To remove latch plate and plastic grommets from latch, unscrew two 11/16" wafer head screws using 4 mm hex key.
B. Install latch onto gate panel and fasten using 11/16" wafer head screws with plastic grommets. Do not fully tighten screws; the connection should be loose.
C. Adjust position of latch so there is 1/8" clearance between latch and catch when closed, then tighten screws using 4 mm hex key.



5 To adjust hinge tension:

⚠ Set hinge tension to minimum required to close gate.

A: Unscrew cap next to set screw, then remove washer and inner threaded rod with 2.5 mm hex key.
B: Loosen set screw with 2.5 mm hex key but do not remove.
C: Using 6mm hex key, turn screw clockwise to increase tension or counterclockwise to decrease tension.
D: Hold 6 mm hex key at desired tension and tighten set screw. Turn 6 mm hex key slightly, if needed, to allow set screw to engage.
E: Install threaded rod using 2.5 mm hex key. Then replace washer and screw on cap finger-tight.