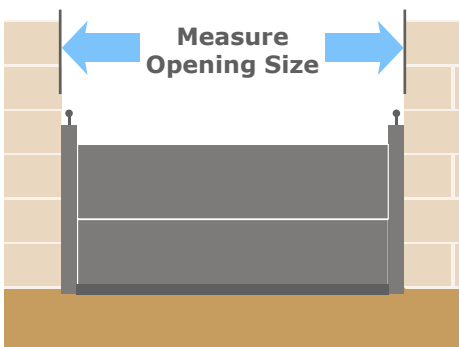




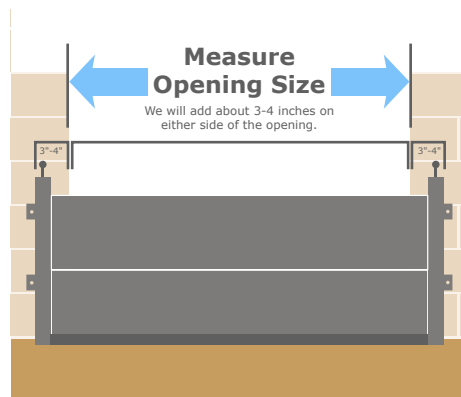
Measuring Your Opening

We typically recommend inside mounting if possible. However, note that this mounting method will narrow the opening slightly (about 4 inches on either side). Choose the best option for your opening or email us at sales@garrisonflood.com.



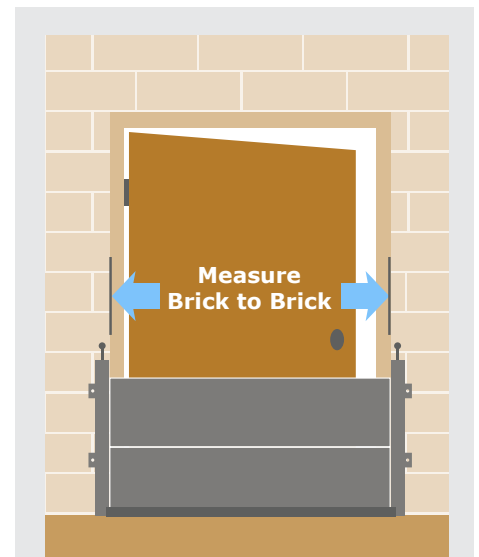
Inside Mount

- Measure exact opening size to the nearest 1/8" remembering that you need enough room on either side of the opening to accommodate the depth and width of the support posts.
- For outward swinging doors, allow enough room for the door to clear the posts.
- Consider mounting posts on the inside of your door if adjacent side walls are concrete, cinder block or brick.
- We will calculate necessary plank size, so we just need measurement of the actual opening size.



Outside Mount

- Measure exact opening size.
- Posts will be positioned on the outside of the desired opening.
- A few inches will typically be added to plank spans on either side of the opening.
- If that is not desired due to space constraints, please let us know.



Mounting Outside Door Frame

- Use for door frames without large enough opening to support posts.
- Mount posts brick to brick as shown, outside of door frame.
- Applicable for brick, cinder block or concrete.

Support Post Installation

Installing Inside Mount Posts



- Align posts so that outside neoprene seal is positioned between aluminum post and opening frame.
- Ensure plank tightening bolts are facing outwards, towards water.



Drill Mounting Holes

- Use a hammer drill to drill holes through the pre-drilled guide hole in the post and into the wall or frame to which it will be mounted.



Expansion Bolts

- Insert the masonry expansion sleeve and mounting bolts into newly drilled receiver holes and tighten down the bolts using a ratchet to secure in place.

Installing Outside Mount Post

- Position posts so that the neoprene seal is between the post and the wall while mounting tabs are against the wall.
- Tabs should be positioned away from the opening so that the left post has tabs on the left and right



Drill Mounting Holes

- Use a hammer drill to drill holes through the pre-drilled guide hole in the post and into the wall or frame to which it will be mounted.

Expansion Bolts

- Insert the masonry expansion sleeve and mounting bolts into newly drilled receiver holes and tighten down the bolts using a ratchet to secure in place.

Things to Note:

- We supply expansion bolts with every order and if you decide to use the included bolts, you will need an 12mm drill bit to drill the hole for the expansion bolt.
- If your wall is of questionable quality, such as cinder block or old bricks, you may want to purchase double expansion anchors to use in place of the included expansion bolts.
- You may also wish to initially drill a smaller receiver hole, into which you place the bolt, to ensure a snug fit.
- When installing posts on hollow walls, you will need to purchase butterfly bolts that will expand in the opening and provide a more secure hold.
- **Urethane Silicone** - For added security, you may want to apply some urethane silicone on the water side, at the base of the post and along the seam line between the post and the wall.

Support Post Installation

Installing Center or Corner Posts

Center posts are used for longer spans than the recommended maximum plank length. Center posts come with a buttress support bracket which provides additional resistance to hydrostatic pressure from flooding. Corner posts are used to make a turn and can be used for perimeter protection.



Center Post



Post Buttress Bracket



Corner Post

- Use the pre-drilled holes in the base of each post (and buttress if used) to mark where holes will be drilled.
- Using a hammer drill, drill necessary holes in concrete
- Vacuum and clean holes to remove any debris

Making Posts Removable

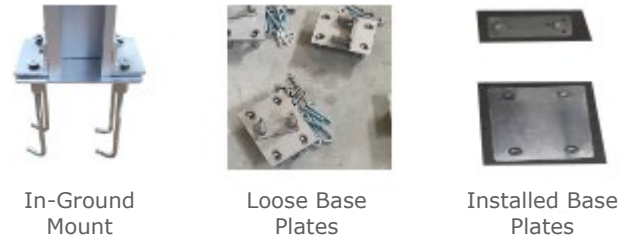
To make post removable there are two methods you may use:

Method 1



- Use standard drop in masonry anchors.
- Insert the drop in anchor into the drilled holes with the open side facing up.
- Use a setting tool to lock the drop-in anchor into place. Place the setting tool into the anchor and strike the top of the setting tool with a hammer, until the lip of the tool touches the rim of the anchor.
- Remove the tool and the anchor should remain firmly in place, ready to receive a bolt.
- Place machine threaded bolts through each hole in the post base and into the anchor bolt.
- Tighten down to secure the post to the floor below.

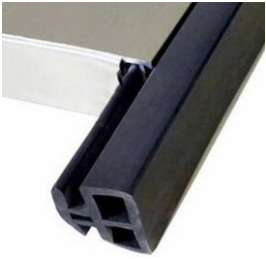
Method 2



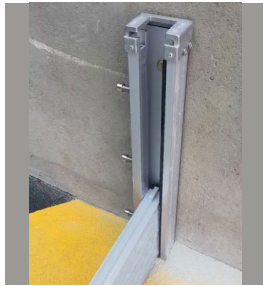
- Utilize our in-ground base plate, which is poured into the concrete.
- To place the baseplate, cut into existing concrete to a depth and size sufficient to accommodate the baseplate, the bolt receivers welded to the bottom of the baseplate, and the additional bolt protrusions which screw into the underside of the receivers (designed to give greater support depth into the concrete).
- Pour concrete around the baseplate, fully enclosing the plate, bolt receivers and bolt protrusions.

Plank Installation

Slotting in Planks



Identify bottom plank with larger seal off compared to supporting planks.



Slide out the post top tightening plate to gain access to the U-Channel. Then insert the bottom plank.



Continue to stack planks finishing with the safety tape top plank.

Tightening Down Planks



Insert the post top locking plate into the notch at the top of the post.



Use the included Allen wrench to tighten down the planks. Be sure not to over tighten the planks.



Use the included Allen wrench to screw down the plank tightening bolts on the posts.



Once all planks are tightened down, your barrier is ready to protect against flooding.

Adding Plank Buttress



- Designed for added plank resistance on longer plank lengths without a center post.
- The bracket goes on the dry side of the planks.
- Follow the same drilling instructions as post installation.
- Ensure that the straight (90 degree) front end of the bracket is resting against the planks.
- Use the Allen wrench to tighten the top of the bracket.

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For Additional Help or Support -
Contact sales@garrisonflood.com

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