

Brass Closet Flange

Tools needed: wood screws, concrete anchors, drill bit, screw driver, screw gun, torch, solder, flux, wax, rag, hammer

Note: Before beginning installation, place a rag or similar item in the DWV pipe to prevent debris, tools etc. from falling into the drain pipe during installation.

CAUTION: This method of Closet flange installation is only for Lead bend DWV. It should not be used with any other types of pipe.

1. Check local plumbing codes for any restrictions that may exist in your area.
2. Gather parts and tools required for job. This includes PPE such as gloves and safety glasses as examples.
3. If an existing flange is in place, remove it and clean the work area.
4. Inspect the DWV pipe for sharp edges or burrs. If any exist, remove to assure a smooth mounting surface.
5. Remove the closet flange from the box and assure that no packaging material remains.
6. Slide the closet flange over the cleaned DWV pipe until toilet mounting flange contacts the floor.
7. Align the closet bolt slots in the proper orientation to assure the toilet will be properly aligned when installed.
8. Once properly aligned, make sure that there is equal distance around the circumference of the area between the lead bend and the closet flange wall. Make sure that the flange is sitting flush on the floor and level. If needed, add shims to the closet flange.
9. With closet flange in place and properly aligned, begin installation. A small amount of flux can be applied to the flange if deemed appropriate.
10. Using a small hammer, tap the lead DWV pipe along the top in an outward manner. Continue tapping the lead DWV pipe outward until it contacts the angled section of the upper part of the closet flange. The lead DWV pipe should contour to the inner angle of the closet flange. Leave a small gap at the upper most section to accept solder.
11. On low heat, use a torch to begin warming the brass flange. Apply as little heat to the lead as possible. Lead should not melt.
12. After the brass flange is warm, begin soldering. Slowly work around the circumference of the flange with the torch and solder until a complete circle has been made. Repeat process as needed to have a smooth soldered joint.
13. After soldering has been completed, use a waxed rag to smooth out any imperfections in the semisolid solder. Do not smooth the solder while it is still fully liquid.
14. Remove all items inserted in the DWV pipe. Install the toilet according to the manufacturer's instruction.

Note: See the Jones Stephens catalog for a wide selection of closet bolt kits and wax rings.

