



CORBEL CONVERTER INSTALLATION INSTRUCTIONS

Included Items

1. Support Bracket
2. Mounting Sleeve
3. 2x #8 x 2.5" Wood Screws per bracket
4. 2x #8 x 1/2" Wood Screws per corbel

Tools Needed

1. Pencil
2. Measuring Tape or Ruler
3. Powered Routing Tool with Straight Bit
4. Powered Drill with drill bit
5. Screwdriver or screwdriving bit for the power drill
6. Level
7. Vise
8. Vise pad (optional)
9. Wood shims (optional)
10. Masking Tape

Preparing the Corbel

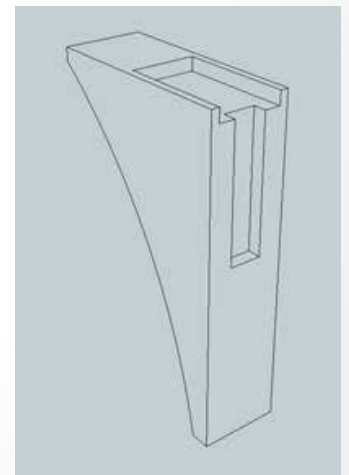
1. On the top surface of the corbel, find the centerline of the top surface by measuring the width of the surface and dividing by 2.
2. Tape the template to the top surface of the corbel, making sure to align the centerline of the template with the centerline you found in step 1.
3. Using your pencil, mark an outline on the corbel around the template as the template instructs.
4. Use your measuring tape or ruler to verify that the out-

line is 2 - 5/16" wide, 4" long and centered on the corbel's top surface.

5. Position the Support Bracket against the back surface of the corbel so that the top surface of the Support bracket is flush with the top surface of the corbel and centered on the back surface as shown.

6. Using your pencil, mark an outline on the corbel around the Support Bracket. Do not allow the Support Bracket to shift or slide during this process.
7. Use your measuring tape or ruler to verify that the outline is 1" wide and centered on the corbel's back surface.

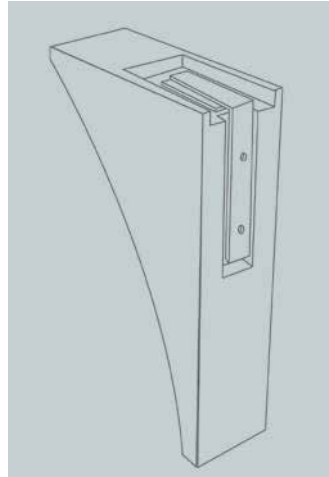
8. Set the router to a depth of 1/2" and route out all of the area marked in pencil. Route the top surface first and then the back surface.





Pause and check your routing depth periodically to make sure consistent depth. Using the vise during this step keeps the corbel from moving and makes routing more consistent. You may also wish to use vise pads to protect the finish of your corbel.

9. When finished, the top and back surfaces of the corbel should appear as shown.



Install the Support Bracket

10. Insert the Mounting Sleeve in the cavity in the top surface of the corbel, as far forward as possible.

11. Using your pencil, mark the corbel through the holes in the Mounting Sleeve and remove the sleeve from the cavity.

12. Use the power drill and drill bit to make two pilot holes in the locations marked in step 11.

13. Insert the Mounting Sleeve back into the cavity, lining up the holes in the sleeve with the new pilot holes.

14. Using the screwdriver or the power drill with screw-driving bit, fasten the Mounting Sleeve to the corbel with #8 x 1/2" wood screws. Install the Support Bracket. When ever installing the Support Bracket, make sure that you provide the thickest possible substructure (at least 3/4") on which to fasten the L bracket. You will want the fasteners to have as much "biting" material as possible. This will provide a secure fastening of the brackets. Also, the substructure must be tied into the floor. Remember, a weak substructure makes for a weak installation.

15. With the substructure in place and sturdy, measure out your bracket pattern. We suggest that you space the Support Brackets no greater than 18" apart on a standard application.

16. Place your first Support Bracket in position and mark the hole locations with your pencil.

17. Use the power drill and drill bit to make two pilot holes in the locations marked in step 16.

18. Attach your first Support Bracket to the substructure using the screwdriver or power drill with screwdriving bit and 8 x 2.5" wood screws. Make sure that when you fasten the Support Bracket that you check for level in all directions. The Support Bracket should be straight up and down and be level across the top flange as well as down the top flange. This will give the best possible support result to your countertop. Note: The top of your Support Bracket should not extend over the top of your support structure but should meet flush with the top. You will want to use a level to determine the positioning of the top of the bracket to the top of your support structure. When manufacturing the Support Brackets we attempt to hit the angle break at 90 degrees 100% of the time. However, sometimes we may be slightly off of that mark. If this is the case with your Support Bracket you should use shims in your installation to bring the bracket to level. Shims can be placed directly behind the down flange or you may need to slightly plain the support stud to allow for the bracket to sit flush and level.

19. Once your first Support Bracket is in place you can now add the additional Support Brackets making sure that you check the additional Support Brackets the same way you checked the first. Also, use a level to test each successive Support Bracket installed to make sure that the whole installation is level. Placing the level from bracket top flange to bracket top flange will help you read this aspect of the installation.

Using the Convertible Corbel Bracket System

Once the Support Brackets have been installed, they will provide support for the solid surface overhang. Wooden corbels which have been routed and have the Mounting Sleeve installed can be slid onto and off of the Support Brackets by simply lining up the Corbel and sliding it into place.

For any questions or comments please to contact us by email at customerservice@federalbrace.com or by phone at (877) 353-8899. If you are a visual learner, check out our installation videos on our YouTube channel Don't forget to share your projects with your new Federal Brace brackets on Twitter and Instagram, just tag us @FederalBrace. Like us on Facebook, and check out our boards on Pinterest for more home improvement/decor and DIY project ideas.

