



## CORBEL MOUNTING SYSTEM INSTALLATION INSTRUCTIONS

### Included Items

1. Mounting Base
2. Mounting Sleeve

### Hardware Needed

1. 2x #8 x 2.5" Wood Screws per bracket
2. 2x #5 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 1/8" drill bit and 1/16" 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

Read all instructions before beginning installation

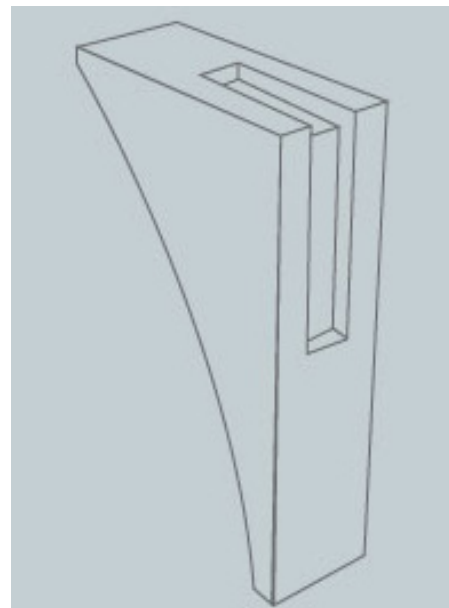
1. On the top surface of the corbel, find the centerline of the top surface.
2. On the top surface of the corbel, draw a 4.25" line extending from the back of the corbel along the centerline.
3. On both sides of the first line, make identical parallel lines spaced 0.7" from the centerline.
4. Connect the ends of the 3 lines with a straight edge. You should be left with a 4.25"x1.4" rectangle centered on the corbel's top surface and with one short edge against the back of the corbel.
5. On the back surface of the corbel, draw a 2.75" line extending from the top of the corbel along the centerline.

6. On either side of the first line, make identical parallel lines spaced 0.6" from the centerline.

7. Connect the ends of the lines with a straight edge. You should be left with a 4.25"x1.4" rectangle centered on the corbel's back surface and with one short edge against the top of the corbel.

8. Set the router to a depth of 1/4" 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 Mounting Sleeve

10. Insert the Mounting Sleeve in the cavity in the top surface of the corbel, ensuring that it is centered in the cavity.
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 1/16" 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 screwdriving bit, fasten the Mounting Sleeve to the corbel with #5 x 1/2" wood screws.

## Install the Mounting Base

16. Insert the Mounting Base partway into its cavity, with the top flange sliding into the Mounting Sleeve. Leave enough space between the back flange of the Mounting Base and the corbel so that you can fit your hand between them.



17. Position the corbel where it is desired, and with your hand between the corbel and the Mounting Base, push it against the mounting surface, making sure that the top of the corbel is touching the bottom of the countertop.



18. While holding the Mounting Base in place, remove the corbel. The top flange of the Mounting Base should be about 1/16" below the countertop surface. When installed, that space

will allow the Mounting Sleeve to slide onto the Mounting Base unhindered.

19. Being careful not to shift the Mounting Base, mark through the holes in the Mounting Base.



21. Attach your first Mounting Base 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 Mounting Base that you check for level in all directions. The Mounting



Base should be straight up and down and be level across the top flange as well as down the top flange.

22. Repeat with all remaining corbels.

Final step is to enjoy your work and your new kitchen counter! We are thankful that you chose to support your beautiful counters with Federal Brace bracket. We would be thankful if you would send us images of your new kitchen and our brackets under your counters. We enjoy seeing Federal Brace supports at work.

Also, know that the highest compliment Federal Brace can be given is a reference from our customers to friends and family. If you have enjoyed your buying experience with Federal Brace please let someone know.