



FEDERAL BRACE

Beautifully Crafted, Confident Support

Angeln Countertop



Installation Considerations

Every successful countertop installation begins with good planning and action. Do not wait until the last minute to order your countertop supports, fasteners or adhesives for installation. Make sure that all aspects of the support substructure are considered and discussed to insure that your countertop installation will be smooth and that your countertop support products will be sufficient.

Note that this installation document should not be considered a specific recommendation for your particular application. Federal Brace cannot provide installation guidelines to meet the particulars of every application. This document should be considered a help sheet that provides considerations about the general characteristics of a particular type of support and installation.

Characteristics of the Angeln Style Countertop Support Bracket

Our Angeln Countertop Brackets are designed to provide the strength that comes from a gusseted metal bracket. The material thickness of the Angeln Bracket is $\frac{1}{4}$ " and the gusset provides additional resistance to deflection.

The Angeln style countertop bracket is suggested for use in all standard application where a countertop bracket is used – island extension, half wall or pony wall applications and wall shelf mounted. The Angeln is not useful in the elevated countertop applications.

Preparations for the Angeln Bracket

The Angeln Countertop Supports come in brushed Stainless Steel and raw steel. If you have ordered your Angeln Brackets unfinished (without paint) you will need to finish them before installation. Make sure you clean the bracket of any machine oil or rust preventative before painting. Once clean and dry apply a metal compatible paint to the bracket completely. Let the first coat dry and do at least 1 more coat. Before installing the brackets the paint should be allowed to dry completely.



Considerations when Installing Angeln Style Countertop Brackets

Whenever installing the Angeln Countertop Brackets make sure that you provide the thickest possible substructure (at least $\frac{3}{4}$ ") on which to fasten the bracket. You will want to the fasteners to have as much "biting" material as possible. This will provide with a secure fastening of the brackets. Also, the substructure must be tied into the floor. Remember, a weak substructure makes for a weak installation.

With the substructure in place and sturdy, measure out your bracket pattern. We suggest that you space the Angeln style bracket no greater than 30" apart on a standard application. Once you have your bracket support pattern set up you can attach your first bracket to the substructure. Make sure that when you fasten the bracket that you check for level in all directions. The 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.

The top of your 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 Angeln Countertop Supports we attempt to hit the angle break at 90 degrees 100% of the time. However, sometime we may be slightly off of that mark. If this is the case with your 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.

Once your first bracket is in place you can now add the additional brackets making sure that you check the additional brackets the same way you checked the first. Also, use a level to test each successive 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.

Once all the brackets are in place you will want to wipe them down to get rid of any handprints or other debris. Just before installation of your counter you may want to apply adhesive or silicone to the top of the bracket to adhere it to the counter. Once the counter is in place you can caulk around the edge of the brackets if you choose. This will give greater adherence to the countertop and cover any gap between the brackets and counter.

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.