



UNIVERSAL SHELF SYSTEM INSTALLATION GUIDELINES

Installation Considerations

Every successful installation begins with good planning and action. Do not wait until the last minute to order your supports, fasteners or adhesives for installation. Make sure that all aspects of your project's substructure are considered and discussed to ensure that your project, whether a hanging shelf or a floor mounted shelf installation will be smooth and that your 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 Universal Hanging Shelf

The Universal Shelf support is designed to allow the installation to be hung from the ceiling joists or mounted to the floor. Shelving material will be selected by you to hold the items you desire between the two Universal shelf mounts. The hanging supports are 29" in overall height and 12.5" in width. Two 1" slots are provided in each cross section to allow for mounting to ceiling, floor and shelving wood. Slots rather than holes were provided to allow for any wood expansion and contraction.

$\frac{3}{8}$ " screw and washer should be used in the installation. The weight capacity when installed by our guidelines is 500 pounds.

A span of 4' should not be exceeded in the installation. Presently available in black, the universal hanging shelf can be powder-coated in various colors to match your decor.

Considerations when Installing the Universal Hanging Shelf

Whenever installing the Universal Hanging Shelf, make sure you are tying into a minimum of 1.75" thick material. You will want the fasteners to have as much biting material as possible. This will provide a secure fastening of the brackets. Whether hanging from ceiling joist or securing to the floor. Remember a weak substructure creates a weak installation overall.

Determine the location for your shelving unit. You will need to locate your studs or have the ability to install support where needed to hang the Universal Shelf unit. This could be determined pre-drywall or use a stud finder to make sure you have the location of the stud. Once located, hold the support in place and mark your slots. Federal Brace recommends using a bolt with a bearing plate and nut to secure your shelf supports. If using a bolt, you will need to drill a hole slightly larger than the bolt to allow for passing the bolt through the substructure. If you intend to use a lag screw a pilot hole will need to be drilled for your

lag screw slightly smaller than the 3/8" mounting screw. When all the pilot holes are drilled, install the Universal Hanging support. Repeat the process for the second hanger to support the shelf.

Once both hangers are installed into studs or securely attached to the floor, insert your shelving material on one or more provided cross members. The interior measurement of the shelf is 11 7/8", so you will want to keep your shelf slightly smaller in width than this measurement.

With the Universal hanging shelf in place you are ready to place your items for display or storage and enjoy your work. We are thankful that you chose to purchase Federal Brace products. Please send us images of your project. We would love to add your work to our gallery to see Federal Brace 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.



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.

