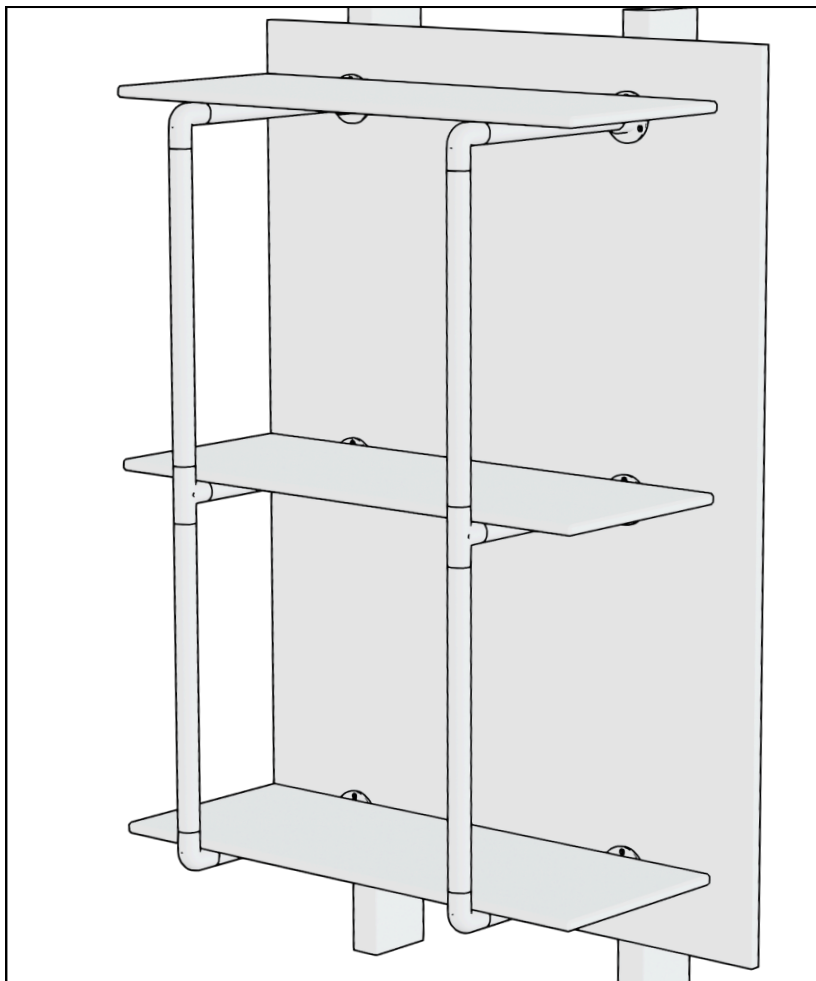


FLUSH BISTRO SHELVING

Safety, Assembly, Installation and Maintenance



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FLUSH BISTRO SHELVING

Safety, Assembly, Installation and Maintenance

Assembly and installation of bistro shelving should only be performed by a licensed professional. Failure to properly and securely assemble bistro components may result in avoidable damage or serious injury. It is recommended all assembly work be done by at least two people for ease and accuracy. Always wear personal protective equipment when performing assembly. **Read through all instructions prior to the assembly and installation process.**

Properly assembled and installed, into studs, bistro shelving is capable of supporting reasonable amounts of vertical load. We recommend capacities of **up to 50 pounds per shelf** when using tempered glass shelving with a thickness of at least .25", and **up to 75 pounds per shelf when using hardwood shelving** with a thickness of at least .25".

Bistro uprights should be spaced no more than 36" apart and can accommodate shelving of up to 42" long with these guidelines. **Applying more vertical load, using a thinner shelf, spacing uprights farther apart or using longer shelving is not recommended and may result in damage or serious injury.**



INSTALLATION SAFETY



It is recommended installation be performed by **AT LEAST** two people and **ALWAYS** by a licensed professional. Always wear the appropriate personal protective equipment when performing installation. Always assure uprights and shelving are level prior to placing items on the installed unit.

Installation should only be done utilizing a stud or a backer using installation wood screws of at least 2" in length. Tighten the screws completely without stripping or over-tightening. This may cause the screw integrity to fail and the unit to fall.

WHEN ASSEMBLING AND INSTALLING, BE SURE TO PERFORM EACH OF THE FOLLOWING TASKS THOROUGHLY:

- Tighten all fasteners including set screws and wood screws. Avoid stripping or overtightening fasteners as this may compromise fastener integrity.
- Wear the appropriate personal protective equipment (not included) as you perform each task. **NEVER** allow yourself to be caught off guard by potential accidents.
- Read instructions all the way through prior to assembling and installing units. Familiarize yourself with each step and each component prior to actual assembly/installation.
- Assure your work area is clean and free of debris and potential obstacles.
- Assure your work area is well-ventilated when using our included adhesive.
- Clean all components at their points of attachment.

Please contact us at 800-328-5858 with any questions.

FLUSH BISTRO SHELVING

ADHESIVE SAFETY

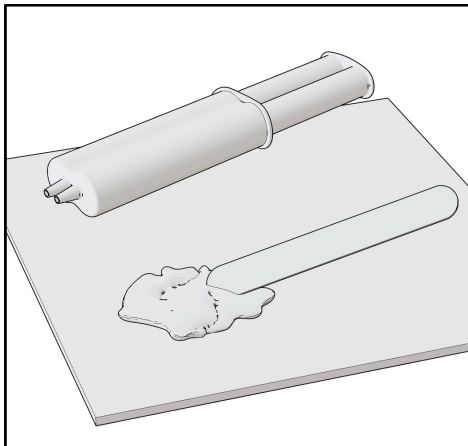
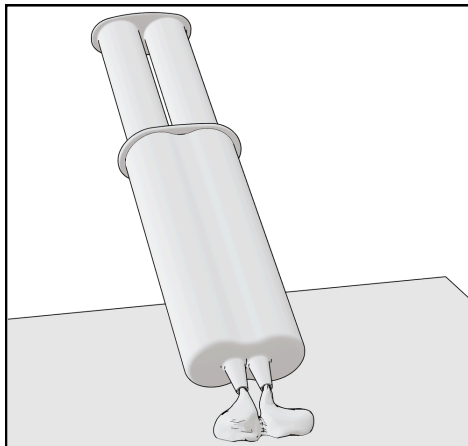
Your kit includes a tube of specialized adhesive. This adhesive is the **ONLY** adhesive we recommend using. Failure to utilize the included adhesive may cause the unit to have compromised integrity and can lead to damage and serious injury. Personal protective equipment, including a chemical-grade ventilation mask, must be worn at all times when handling the adhesive. Any adhesive processes should also be done in a well-ventilated area. Opening windows and doors to allow fresh air to enter and exit the area is recommended.

The adhesive **MUST** be properly mixed prior to component application. This activates the adhesive properties of the compounds and makes it suitable for use. Always wear PPE when mixing and avoid direct contact with eyes or skin. Wash your hands completely when done handling adhesive or application brush. **If accidentally ingested or inhaled, contact the poison hotline (800-222-1222) immediately.**

When applying adhesive during assembly, lightly apply a coating of adhesive on the necessary components using the included brush. The application of adhesive should be similar to applying a thick layer of paint. Prior to applying adhesive, thoroughly clean and dry all components to assure no debris or dirt may impact the adhesive. The adhesion process will take approximately 15 minutes to settle once the adhesive is applied and the components are attached. The component should be able to be reasonably moved and handled – however should not be installed at this point. **You must allow AT LEAST 12 HOURS after application for adhesive to be dried and at optimal integrity.** Installing uprights prior to 12 hours will cause the hold of the attachment to be compromised and may result in damage or serious injury.

Prior to installation, once the 12 hours have passed, you should do simple pull tests to to assess the hold of the adhesive. Exert enough force while you attempt to pull components apart. The adhesion should not separate when doing this. If you manage to pull any components apart, the adhesion failed and the process must be done again.

Please contact us at 800-328-5858 with any questions.



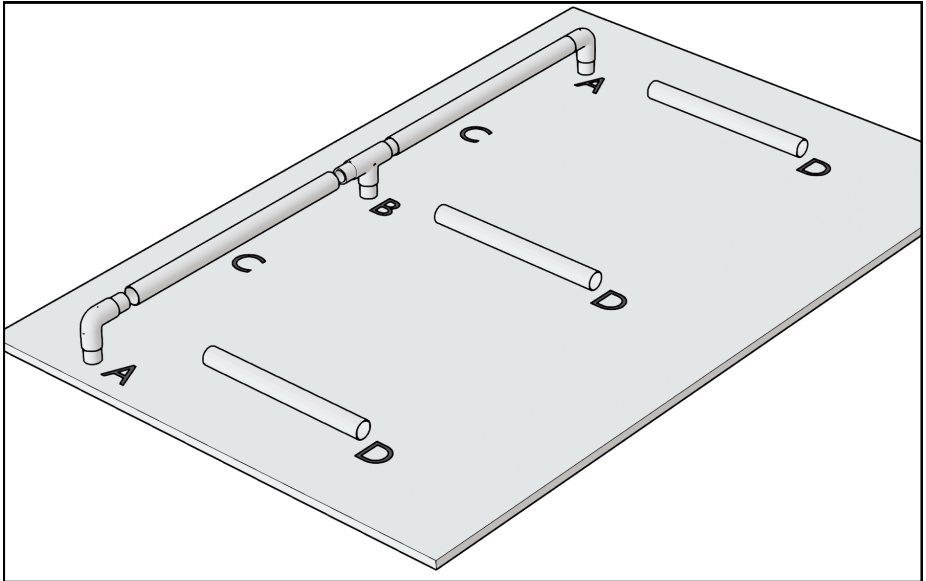
FLUSH BISTRO SHELVING

ASSEMBLY

Required Tools: Hex key (included), power drill, 1/16" drill bit, cotton gloves (included) adhesive compound (included), chemical-grade mask, chemical-grade gloves, rubber adhesive applying brush.

Step #1: Configure Component Order

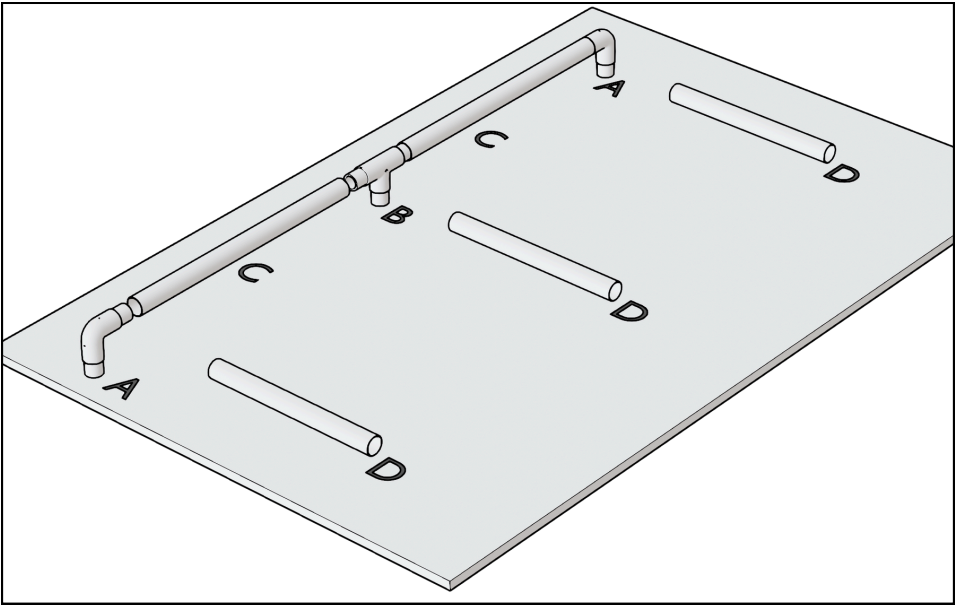
Lay all elbows (**part A**) and flush Ts (**part B**) face down onto a flat, level surface. They should be configured with the top elbow on top, the flush T(s) in between and the bottom elbow at the bottom. The components should lay on their opening where they will eventually attach to the horizontal arms. To avoid causing scratches and unwanted fingerprinting, wear included cotton gloves when handling all bistro components. It's also recommended you lay a cotton cloth on the surface you'll be placing components down on.



Step #2: Configure Vertical Arm Order

Option 1 (Pre-cut Vertical Arms): lay the pre-cut vertical arms (**part C**) in their respective order between each component. Lengths may vary based on specs of unit – always double check configuration before next step.

Option 2 (On-Site-Cut Vertical Arms): determine the needed length for each section of shelf and mark where cuts should be made – always double check configuration and required length. Using a designated metal blade (carbide, metal-cutting blade with high- tooth count), cut the tube to desired lengths. It is recommended you use a blade lubricant on a miter saw, being careful to watch blade temperature to avoid damaging the tube’s finish. A hack saw may also be used if a miter saw inaccessible. Once cutting is done, arrange vertical arms between components.



Step #3: Attach Components to Vertical Arms

Slide the vertical arms onto their respective components. The vertical arm should lock on the full length of the pre-made tenon on the component.

Once configuration and fit are confirmed, prepare your adhesive compound. Do so by evenly pushing out both halves of the adhesive onto a disposable surface – such as a paper plate or cardboard.

Prior to any application of adhesive, use a cotton rag and rubbing alcohol to wipe down and dry all tenon connection points. This is done to assure the surface is clean for optimal adhesion.

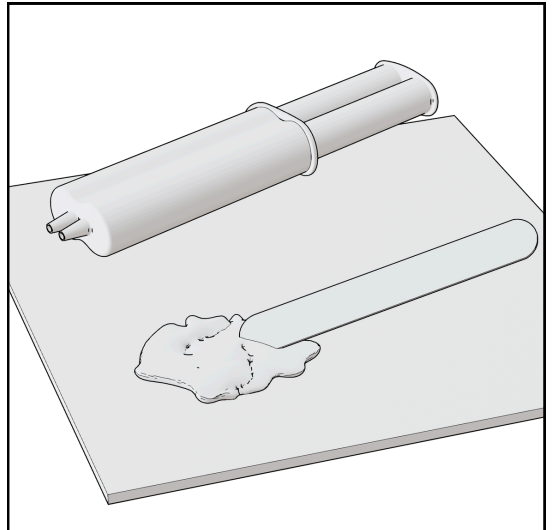
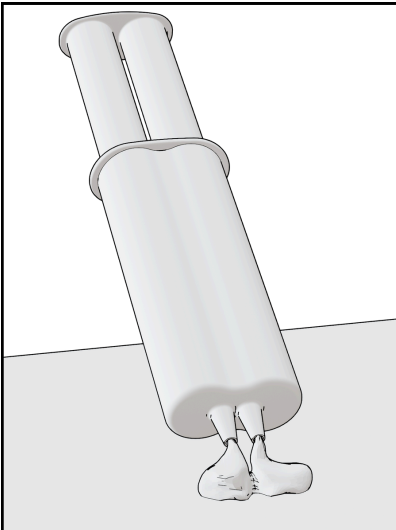
Using the included mix stick, stir the compound together until well-combined.

Use a chemical-grade ventilation mask when opening, mixing and applying the adhesive. Always use adhesives in an open, well-ventilated area. Wash hands completely once done using adhesive and avoid direct contact with skin or eyes. If accidentally ingested or inhaled, contact the poison hotline (800-222-1222) immediately.

Using the applying brush, lightly apply a coating of adhesive around the tenon of each component– going one component tenon at a time. Carefully and slowly slide the tube over the adhesive-covered tenon to attach.

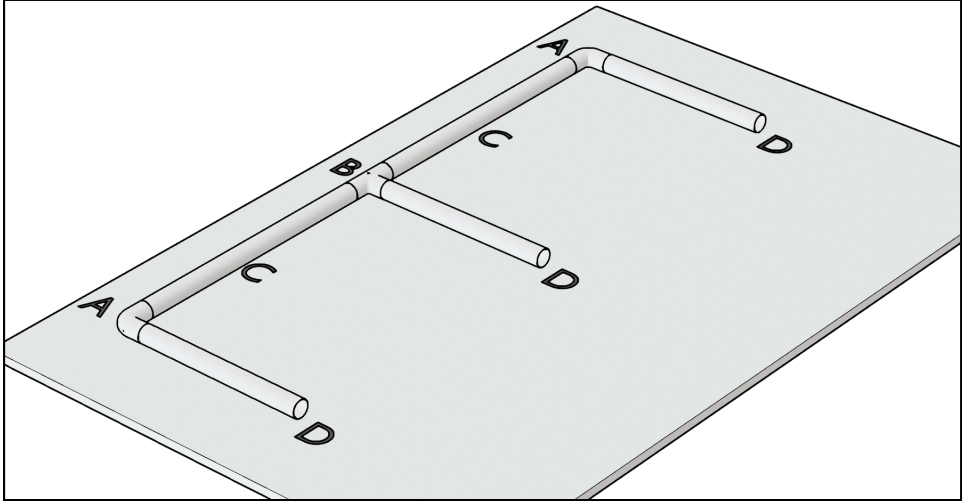
Adhesion will take approximately 15 minutes to settle to the point of reasonable movement and play. Repeat this step for each vertical arm-to-tenon connection.

Using a clean rag, wipe away any excess adhesive that may have seeped through the tube-tenon connection.



Step #4: Attach Vertical Arms to Components

Lay the so-far assembled bracket on its side – still on the flat surface. Slide the horizontal arms **(part D)** onto the designated tenons, assuring fit and configuration. Just like with the vertical arms, apply a light coating of adhesive to the tenons and slide the horizontal arms on carefully and slowly.



Step #5: Allow Adhesive to Settle

On the level surface, allow the bracket to dry for at least 12 hours to assure the highest adhesive integrity possible.

Not allowing adhesive to settle may result in compromised unit strength. Once drying is complete, the components should not be removable, even with effort-driven tugging and pulling. If pieces are not solidly attached, the adhesive did not properly adhere and the process will need to be restarted.

FLUSH BISTRO SHELVING

INSTALLATION

Required Tools: Stud finder, tape measure, level, power drill, 1/16" bit, hex key (included), pencil.

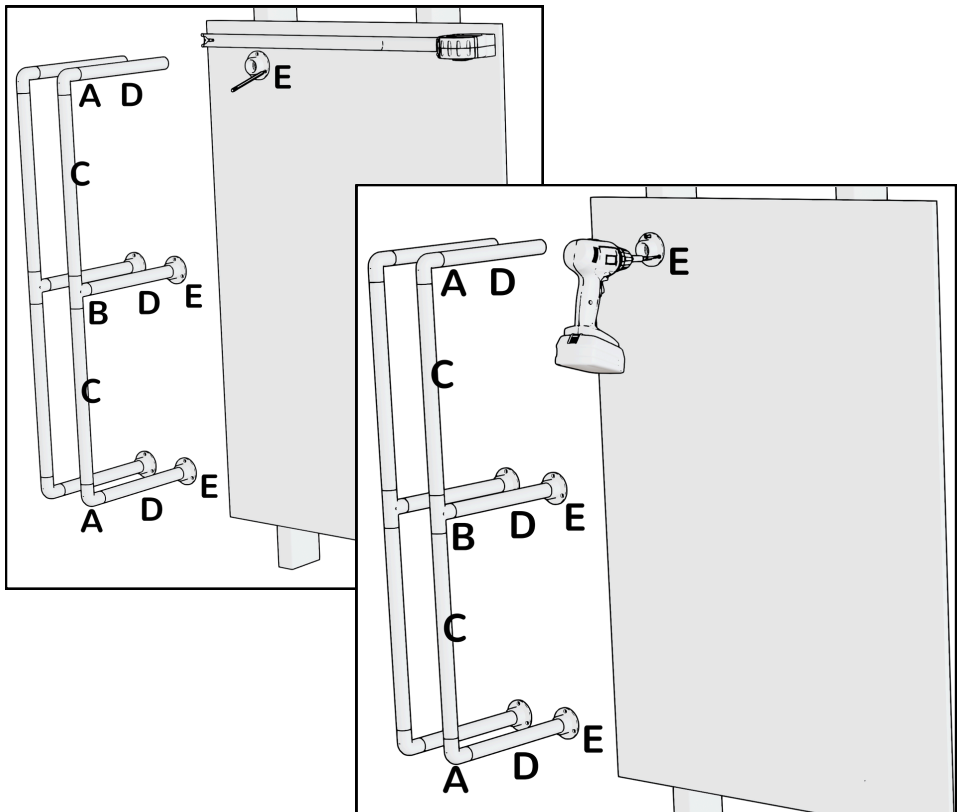
Step #1: Attach the top flange of the first bracket.

Use a stud finder to identify the stud's location for every bracket of the unit. You'll utilize the included brass wood screws.

Identify the ideal location over the stud and mark the hole locations using a pencil.

Note and confirm the configuration of the flange holes and where the pre-drilled set-screw hole is located - this is to assure desired aesthetic of the final product.

Drill the marked holes using a 1/16" bit and attach the flange (**part E**) to the wall using the included screws.

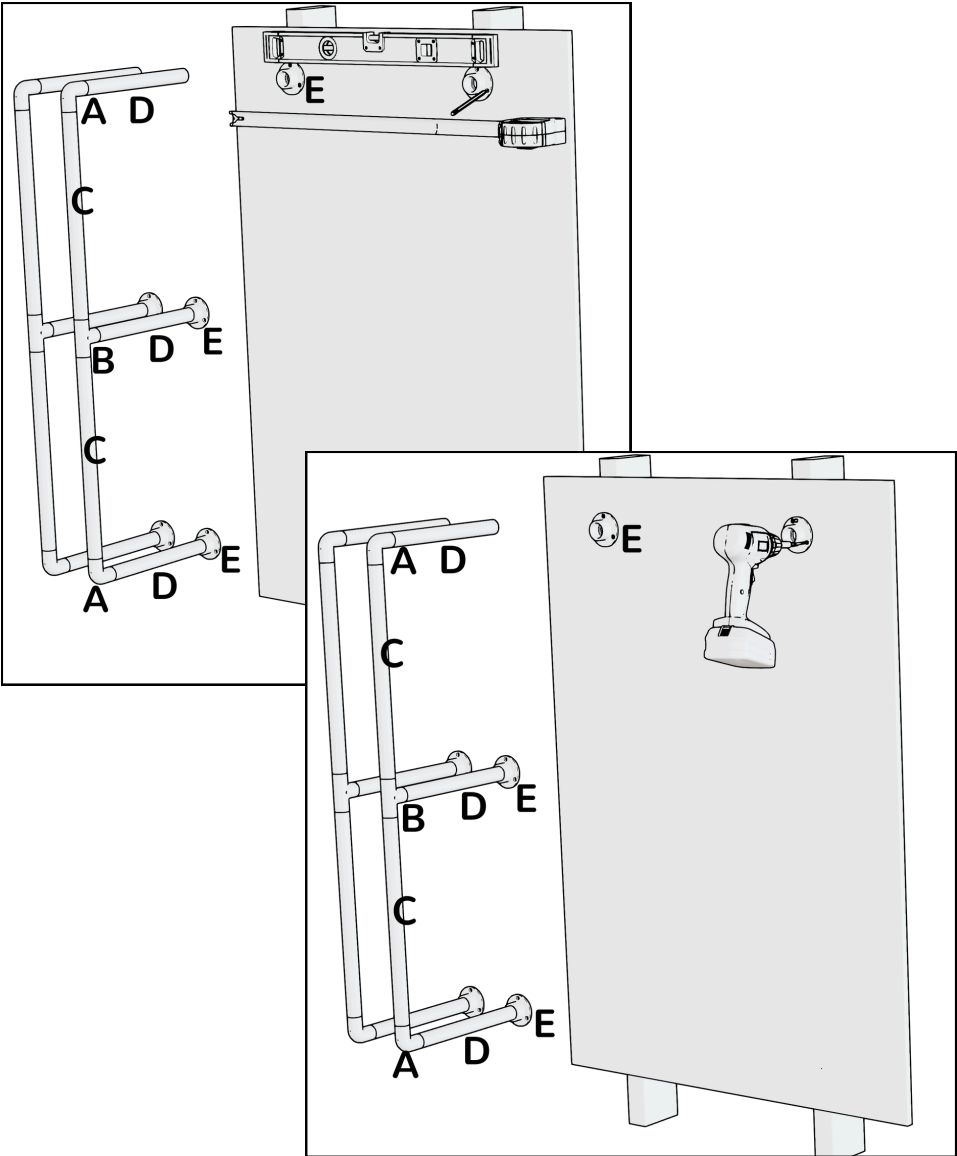


Step #2: Attach the top flange of the next (and any additional) bracket(s).

Find the location of the next bracket's top flange, assuring the flange location is level with and the proper distance away from the first top flange.

Planning for a 3" overhang on each side when using glass shelves is ideal for security (ex. 24" shelves should space bistro arms 18" apart).

Mark the hole locations, drill the holes and attach the second top flange. Repeat this process for any additional brackets if installing more than two.

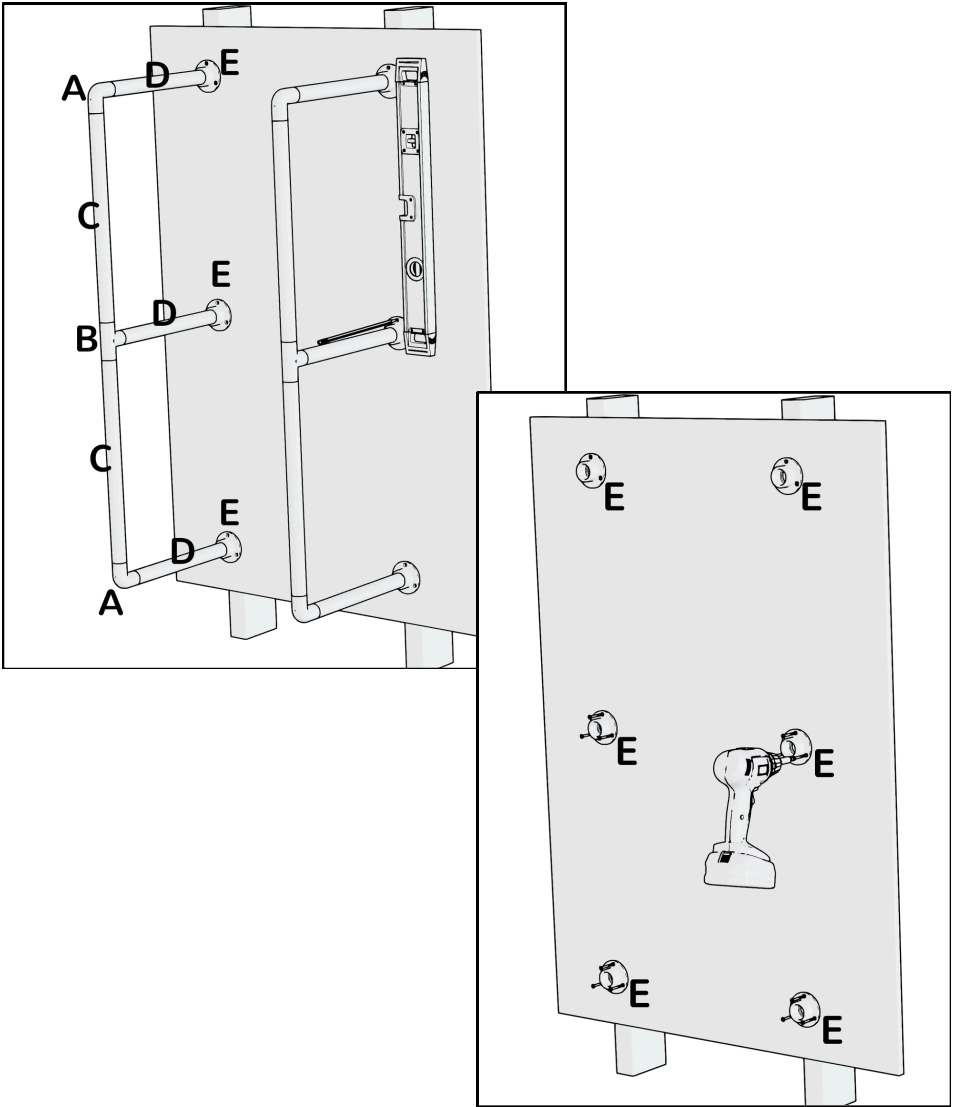


Step #3: Attach the remaining flanges.

Slide the remaining flanges onto the remaining arms of the first bracket. Insert the top arm of the bracket into the already-installed flange.

Use of a level long enough to simultaneously contact two different arms of the bracket is required. The vertical plumbness can only properly be measured this way.

Assure the bracket is level and mark the holes for the remaining flanges. Drill the holes and install the flanges. Repeat this process for every additional bracket.

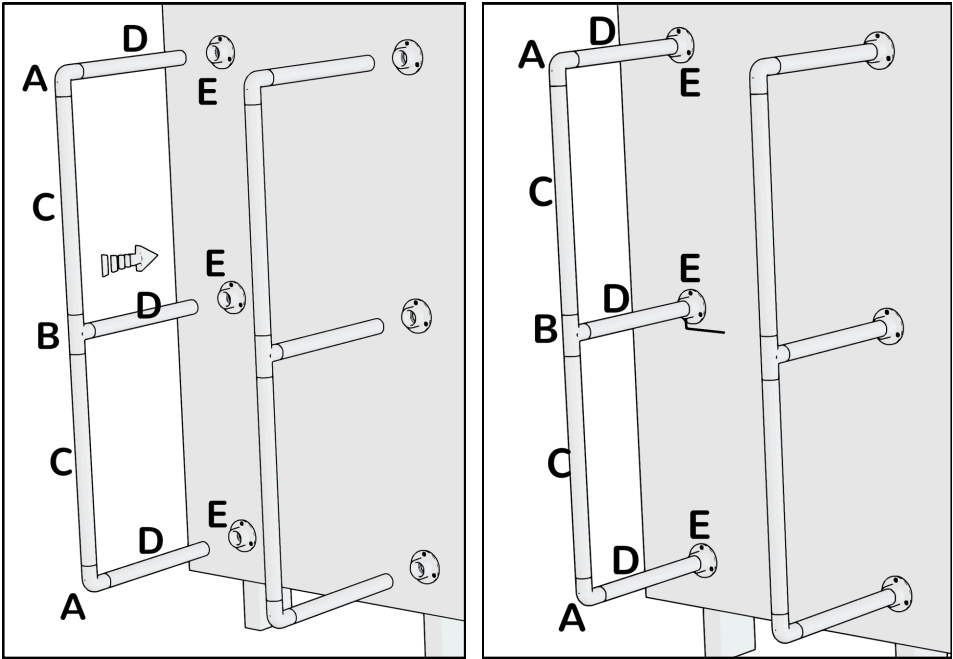


Step #4: Attach and secure bracket arms to installed flanges.

Slide each arm (**part D**) of the bracket into its respective flange and secure them using included set screws. Tighten with included hex key. Repeat this process for every bracket.

While securing each arm tighten each flange set screw to approximately 75% tightness - enough to secure the arms to the flanges while each additional arm is secured. Tighten the flange screws to 100% tightness once each arm is attached.

Cautiously position each shelf onto the bistro arms once the unit is done.



BRASS COMPONENTS

MAINTENANCE

Storage and Pre-Installation

Brass Components like our Bistro Shelving and Pot Rail should be kept in a temperate space free of extreme heat, cold, moisture, dust and debris. Never store brass components near a direct heat source, open window, ventilation openings or any other source that may impact the area. It is best to leave any brass component within its original packaging up until the time of assembly/installation. Do not store components underneath heavy objects.*

Handling and Treating

All brass components should only be physically held with the use of cotton gloves to prevent scratches and fingerprints. Likewise, all unlacquered brass products should be finished prior to installation to avoid discoloration from touch and oxidation. Lacquered brass products will not discolor over time but should still be handled with care to avoid any damage to the lacquer finish. Always polish brass components with a new cotton cloth prior to any finishing.*

Maintenance

If maintaining lacquered brass (more common), proper cleaning is essential. Use a damp, cotton cloth (using room temperature water) to wipe the component. Clean in long streaks whilst the cloth is wrapped around the component. You can then wipe the component with a dry, cotton cloth. DO NOT use any chemical cleaners, including – but not limited to – brass-specific polishes (such as Brasso), soap, rust removers, furniture polishes, etc. Use of these products can diminish and even remove the lacquer finish, thus exposing the brass to oxidation. NEVER use any paper towels or synthetic cloths on brass components – this can scratch the surface of the brass/finish.*

If maintaining unlacquered brass (less common), regular cleaning and conditioning is required to avoid any unwanted discoloration. If left untreated, unlacquered brass (due to its raw nature) will oxidize, which will form a “patina” film, giving the brass a greenish look. If this isn’t desired and a lacquered finish is not applied, regular wiping with a cotton cloth and a cleaner are ideal. The cleaner can be a mild brass cleaning chemical, simple soaps or small amounts of household agents (such as vinegar and water) in careful amounts. Always dry polish the brass once the cleaning is done.*

**Once Bistro Shelving, Pot Rail or any other Brass Components have been stored, sealed, assembled, installed, Brown Wood, Inc. no longer assumes warranty over the product – meaning any discoloration, oxidation, scratches, installation failure, etc. are not covered by our warranty terms. Always assure condition of components as soon as they are delivered.*