

Rakks®

BR Pole Shelving

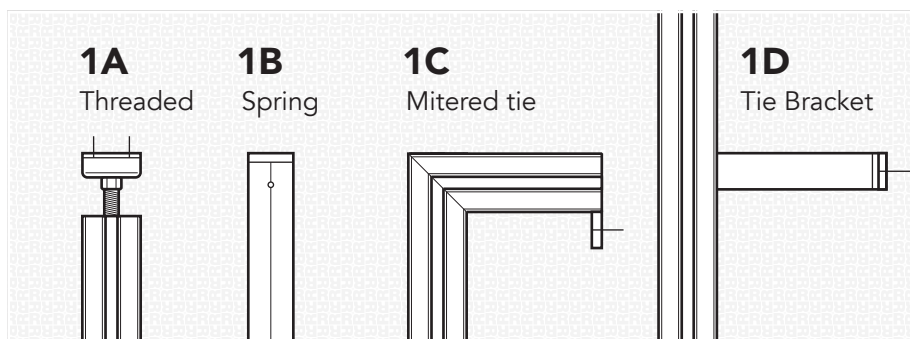
Installation Guide



Scan using the Camera app on
your smartphone for a digital version
of this guide, or go to Rakks.com/install

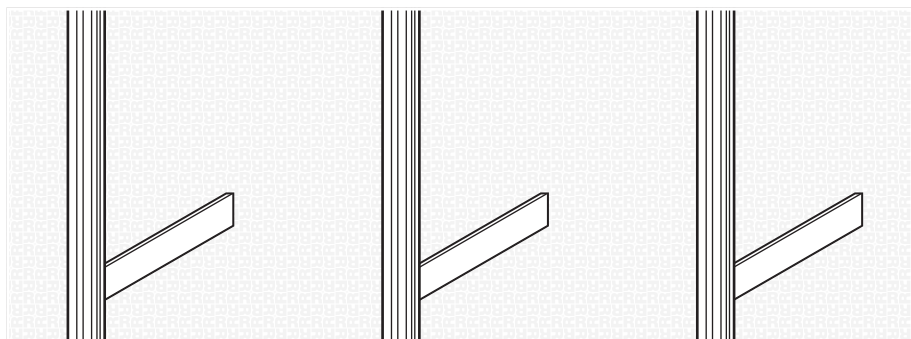
1

Anchor the Poles
to ceiling or wall



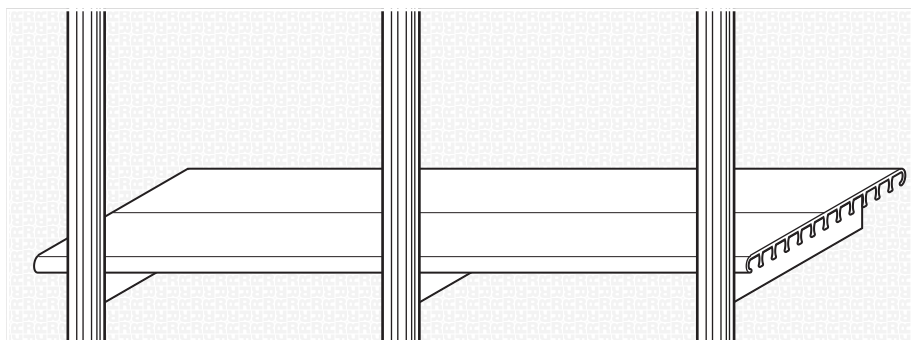
2

Secure the Brackets



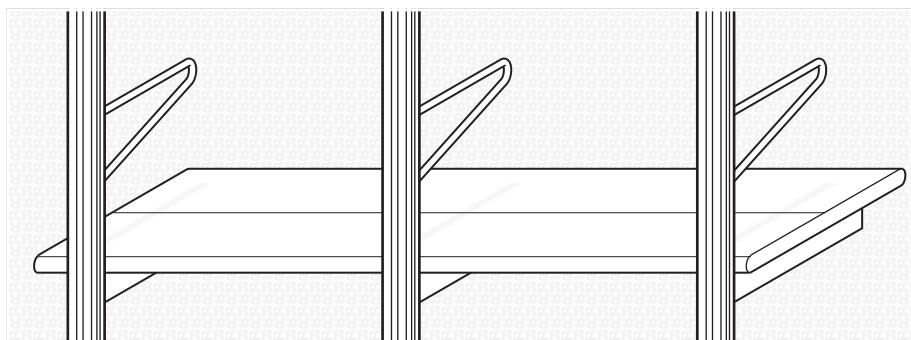
3

Place the Shelves and Surfaces



4

Install Accessories



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4

Install Accessories

Shelf Accessories →

Other Accessories →

Parts included for installation of threaded compression poles:

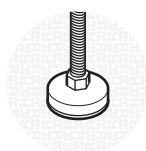
Compression poles are sometimes referred to as *stanchions*, *pillars* or *posts*.



Top Compression Mounting Pad
has 2 holes to anchor into ceiling



Plastic ceiling anchors



Bottom Compression Mounting Pad
with or without holes



PC2 or PC4 Pole

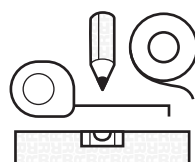


1/2" wrench

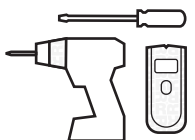


Screws

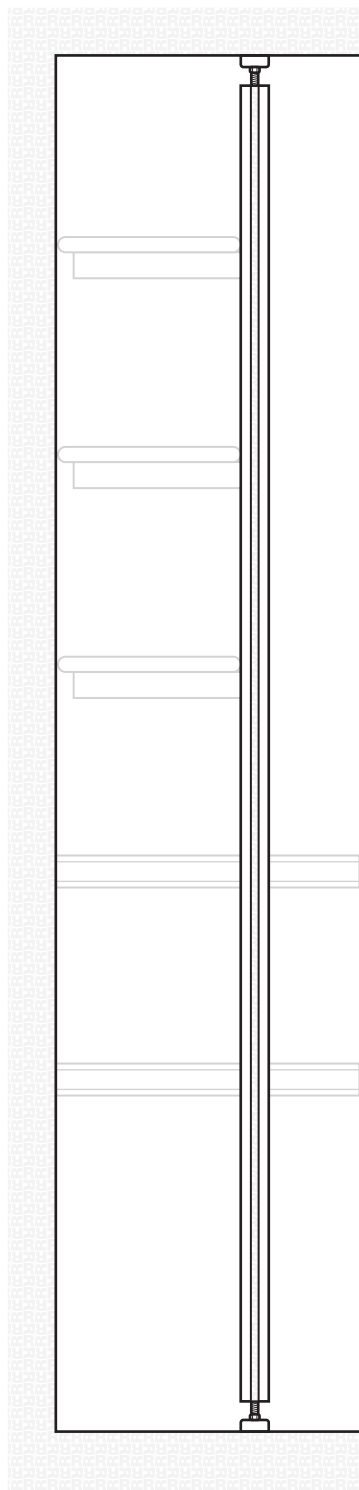
Additionally, you will need:



Measuring tape
Pencil or painter's tape
Level



Stud finder
Drill driver + bit
Philips screwdriver



1

Mark out the location of your new Rakks shelving system in the room.

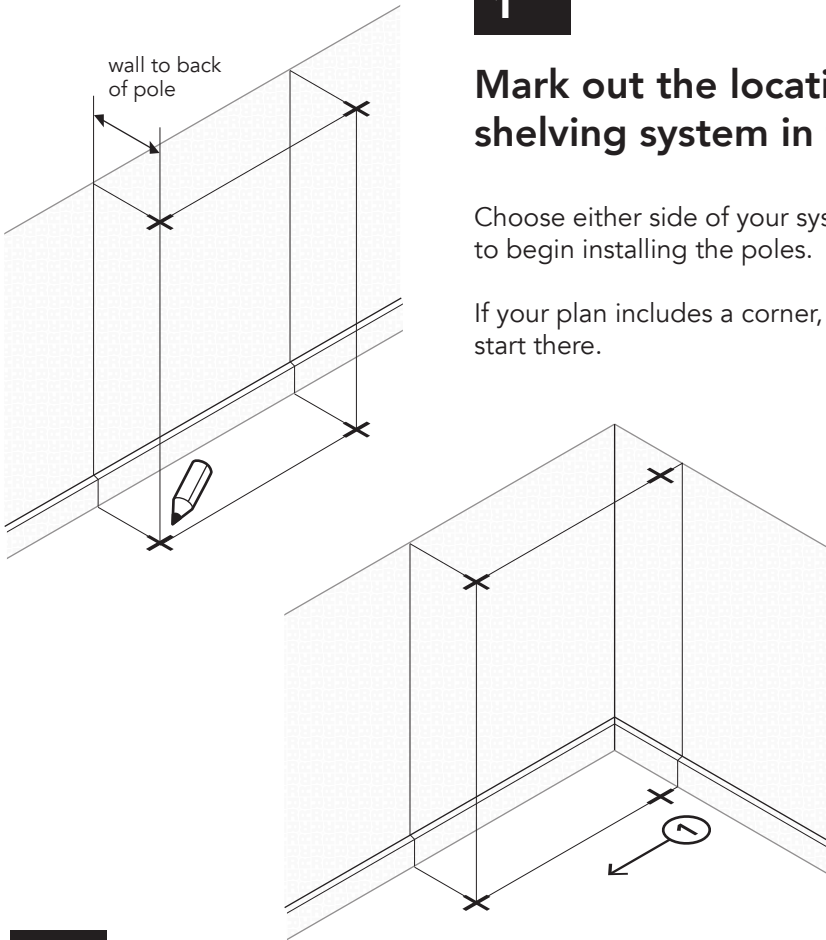
Choose either side of your system to begin installing the poles.

If your plan includes a corner, start there.

On the ceiling and floor, measure out from the wall to the depth of your shelves.

This will be the location for the back of the pole.

Don't include wall trim, baseboard or crown molding in the measurements.



2

Install only the plastic ceiling anchors, not the mounting pad.

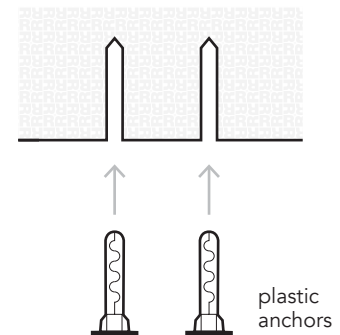
Place the **top pad** against the line on the ceiling and mark the 2 holes using a screw to make slight indentations.

Drill $\frac{1}{4}$ " holes and install the **plastic anchors** into the holes. (To install plastic ceiling anchors in materials other than drywall, refer to the manufacturer's instruction guide included in your shipment.)

Measure over to the next pole location. Space the poles evenly. We recommend that you do not to exceed a span of 32" between poles unless you have heavy-duty shelves which can support a span of up to 48".

In a BR system your shelves should overhang the brackets by at least 2".

Install the **anchors** for the remaining poles in your system.



If your system includes cabinets or bolt-on hangbars, it is very important at this point that you place the poles at the appropriate widths. See **Cabinet installation** or **Hangbar installation**.

Threaded Compression

1A

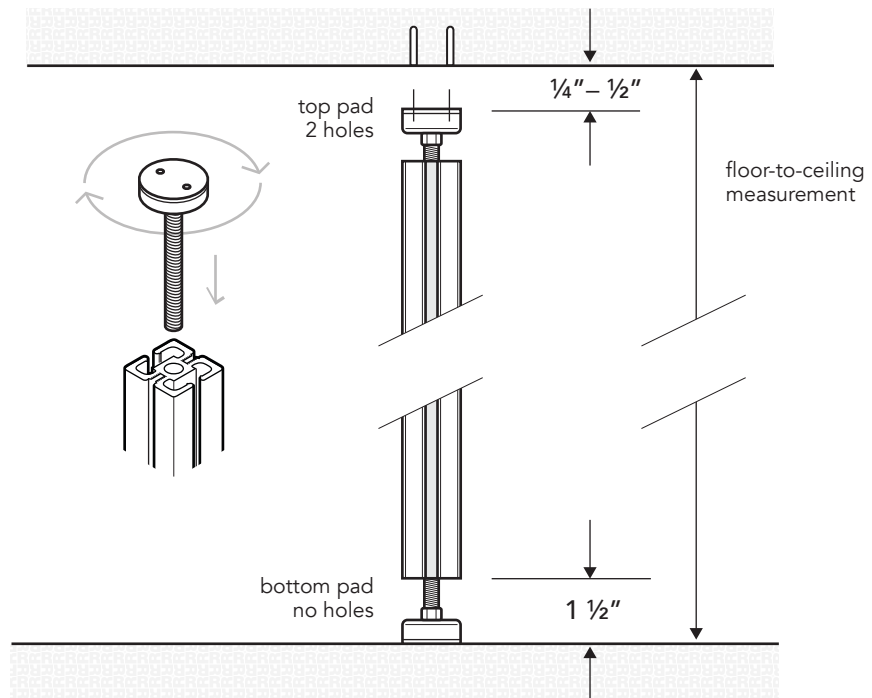
3

Assemble poles.

Insert the **top and bottom compression pads** into the threaded brass inserts at each end of the pole. The following measurements will allow you to set the pole in place without scratching the ceiling.

The **bottom pad** should extend $1\frac{1}{2}"$ from the bottom of the pole.

Now adjust the **top pad** so that the assembled pole is $\frac{1}{4}" - \frac{1}{2}"$ less than your **floor-to-ceiling measurement**.

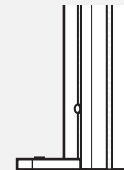


4

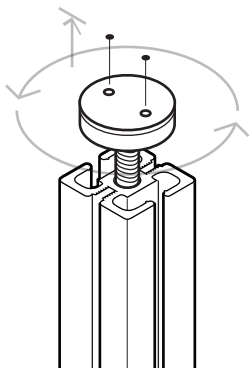
Install poles.

Position the **pole**. Check that the bottom of the pole is shelf-depth out from the wall. Make sure that any access slots that you might have requested face the wall.

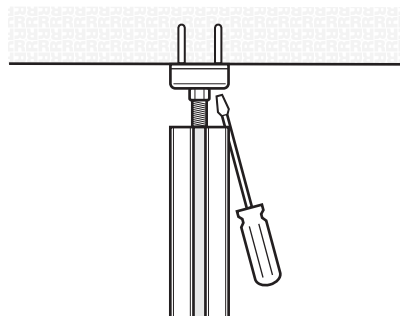
If your order includes **floor anchor brackets**, level the pole vertically and secure to the floor with the $1\frac{1}{2}"$ screws provided. Make sure the bracket faces the wall.



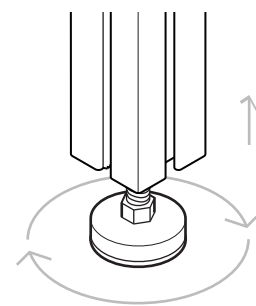
When the pole is plumb, turn the **top pad** counterclockwise until it is in contact with the ceiling and the holes are lined up with the anchors.



Now screw the **top mounting pad** into the **plastic anchors**. **Tip:** It can be easier to access the screw if you use a long #2 Phillips-head screwdriver.



Increase the compression of the pole by turning the **bottom pad** clockwise until the pole feels secure. Install all remaining poles in the same way.



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression ←

1C Mitered Tie →

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4

Install Accessories

Shelf Accessories →

Other Accessories →

Parts included for installation of spring compression poles:

Compression poles are sometimes referred to as *stanchions*, *pillars* or *posts*.



Top
4-prong Pad



Compression
Sleeve



PL Pole



Spring



Bottom
2-prong Pad

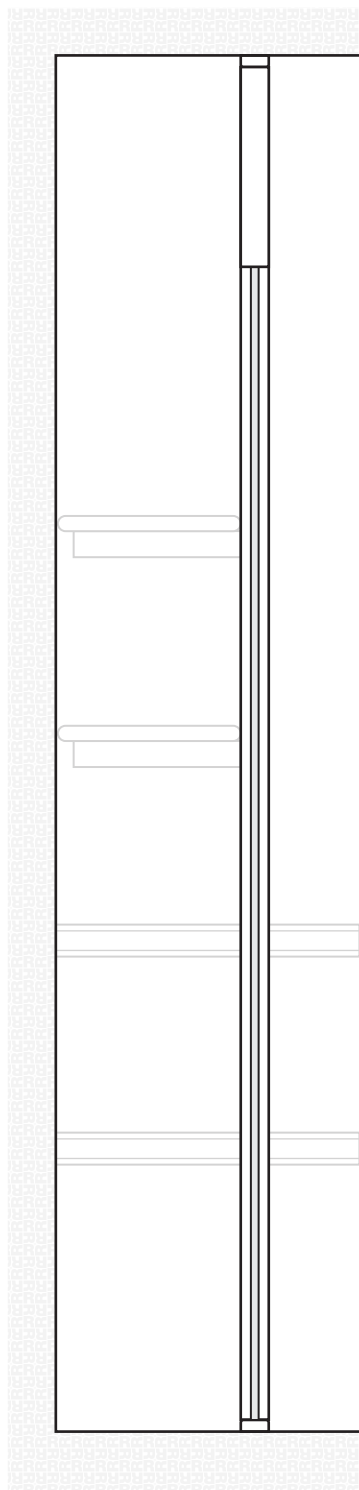


Spacers

Additionally, you will need:



Measuring tape
Pencil or painter's tape
Level



1

Mark out the location of your new Rakks shelving system in the room.

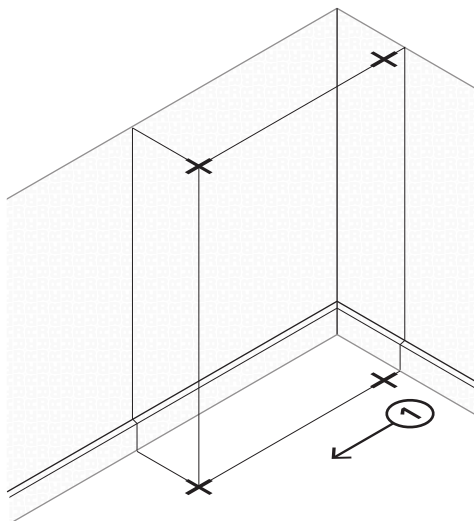
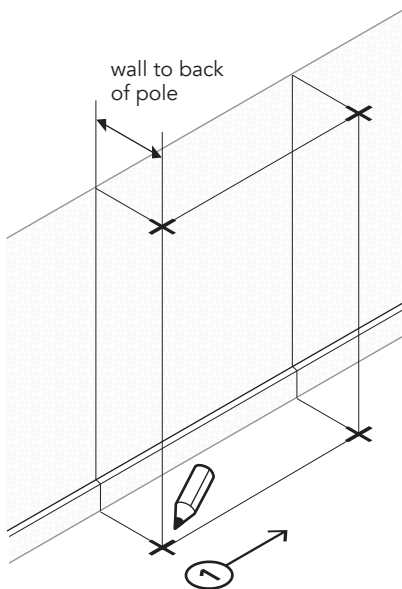
Choose either side of your system to begin installing the poles.

If your plan includes a corner, start there.

On the ceiling and floor, measure out from the wall to the depth of your shelves.

This will be the location for the back of the pole.

Don't include wall trim, baseboard or crown molding in the measurements.



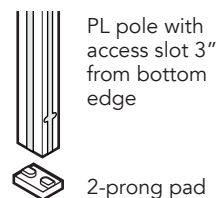
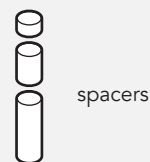
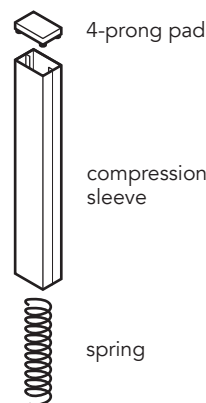
2

Assemble the compression sleeves.

Assemble the **pole compression sleeve** by pressing the **4-prong pad** into the top of the sleeve and inserting the **3" spring**.

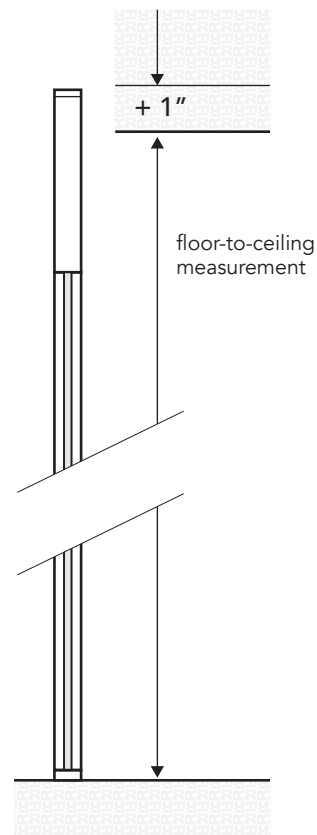
Install the **2-prong pad** into the bottom of the pole.

Slide the **sleeve** onto the top of your pole. When the spring is not compressed, the assembled pole will be 1" longer than your floor-to-ceiling measurement.



Based on your floor-to-ceiling measurement, the poles were cut 3" short to accommodate the sleeve and the 3" compression spring.

We have provided spacers to make up for any inconsistencies in your floor-to-ceiling measurements across the poles.



Spring Compression

1B

3

Orient and place the poles.

Orient the pole so that the side with **2 access slots** is facing the wall.

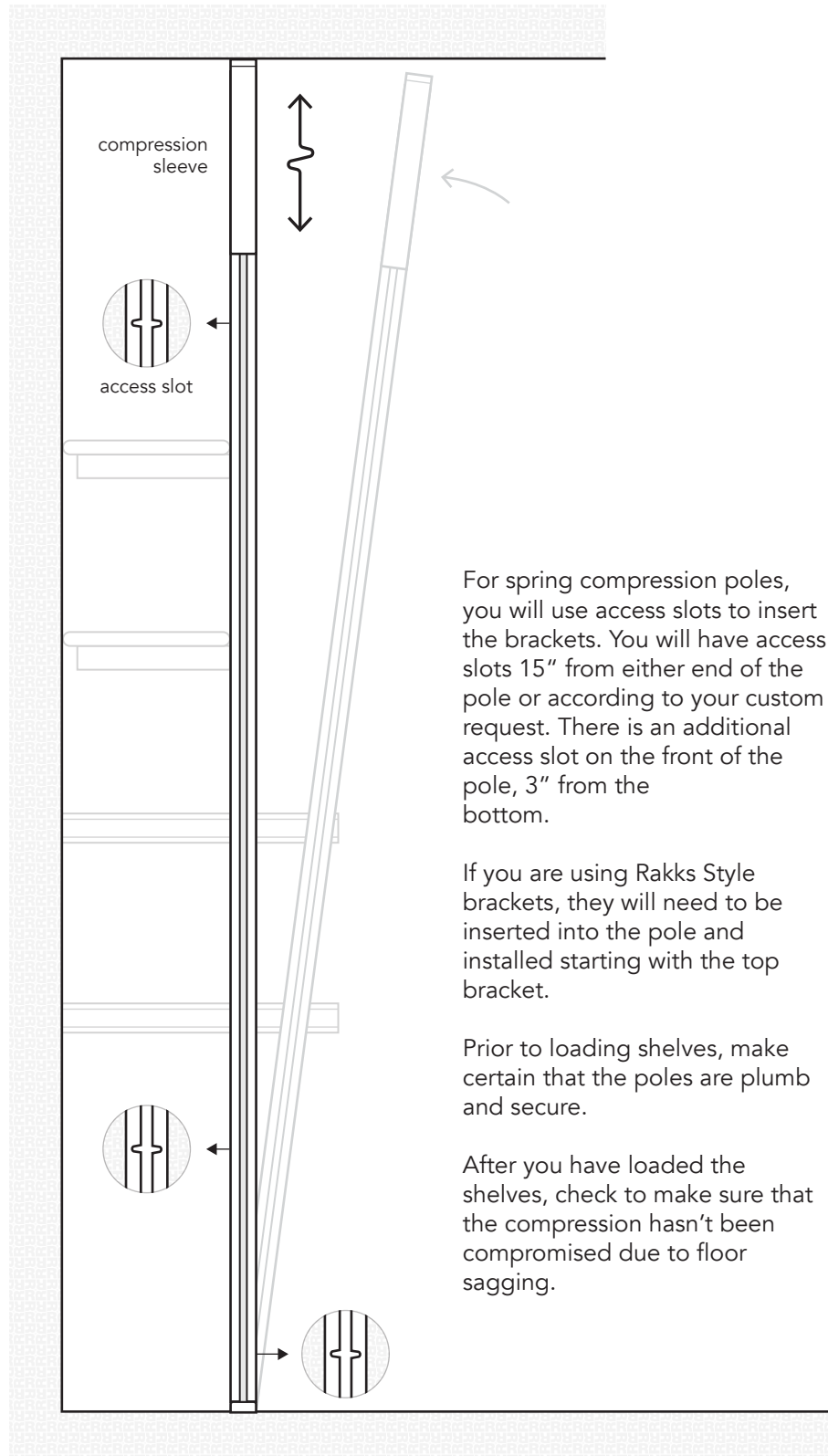
Place the bottom of your pole at the marked out floor location.

Pull the **sleeve** down from the top of the pole to compress the spring and position the pole at the ceiling mark.

Adjust the position of the pole so it is plumb but make sure it does not move closer to the wall. This will avoid problems with your shelves not fitting. When properly installed, shelves will fit securely between the pole and wall.

Double-check the compression of each pole at this stage, to prevent having to take them apart later. If a pole moves easily then more compression is needed. Estimate the amount of extra compression needed for that pole and choose either the small or large spacer. Remove the sleeve from the pole and insert the chosen spacer to sit between the spring and the top of the pole.

If your system includes cabinets or bolt-on hangbars, it is very important at this point that you place the poles at the appropriate widths. See **Cabinet installation** or **Hangbar installation**.



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie ←

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4

Install Accessories

Shelf Accessories →

Other Accessories →

Parts included for installation of mitered tie-poles:

Poles are sometimes referred to as *stanchions*, *pillars* or *posts*.



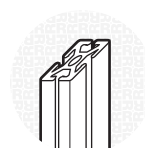
Tie-to-Wall Anchor



Mitered Tie



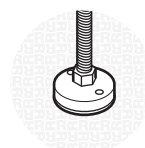
Tie-to-Pole



Mitered Pole



**1/8" Allen key
1/2" wrench**



Bottom Mounting Pad



Plastic wall anchors

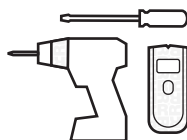


Screws

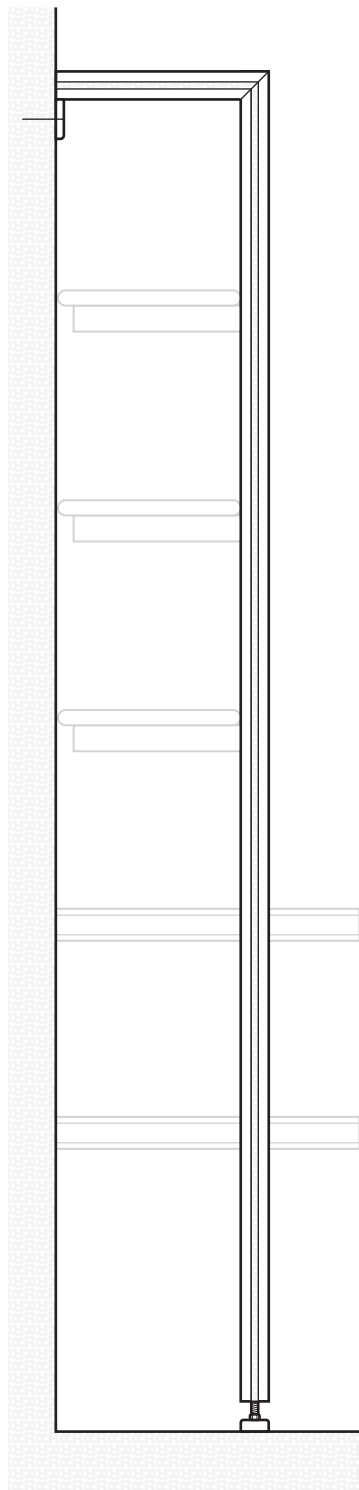
Additionally, you will need:



**Measuring tape
Pencil or painter's tape
Level**



**Stud finder
Drill driver + bit
Philips screwdriver**



1

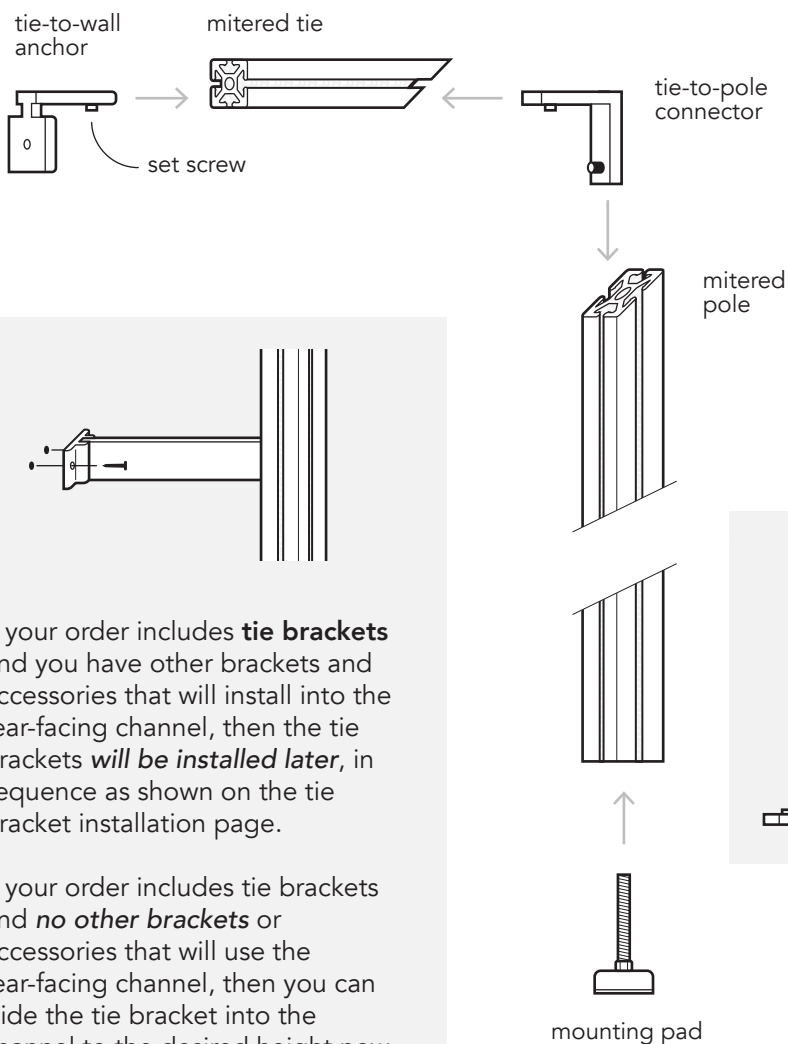
To assemble, lay the parts out on the floor.

The **tie-to-wall anchor** goes into the square end of the **mitered tie**. Insert it into the shorter underside channel. Hold the anchor against a flat surface to ensure it is flush before you tighten the **set screw**.

Place the mitered tie and **mitered pole** ends together to make a 90° angle. Insert the **tie-to-pole connector** into the inside channels of the tie and pole.

Make sure both sections are correctly oriented, 90° and flush before tightening the set screws.

Be patient as this process can take a few adjustments to assemble completely flush. Be careful to not overtighten.



Insert the **floor mounting pad** into the flat (90°) bottom end of the full-length mitered pole.

The threaded mounting pad should extend 1 ½" from the bottom of the pole.

If your order includes **tie brackets** and you have other brackets and accessories that will install into the rear-facing channel, then the tie brackets *will be installed later*, in sequence as shown on the tie bracket installation page.

If your order includes tie brackets and *no other brackets* or accessories that will use the rear-facing channel, then you can slide the tie bracket into the channel to the desired height now.

If you are using a **floor anchor bracket** instead of a mounting pad, hold it flush with the bottom of the pole and tighten the set screw. Make sure that the bracket will face the wall when installed.

Repeat the steps above to assemble the remaining mitered tie-pole kits in your system.

Mitered Tie-Pole

1C

2

You are now ready to mark out the location of your new Rakks shelving system in the room.

Choose either side of your system to begin installing the poles.

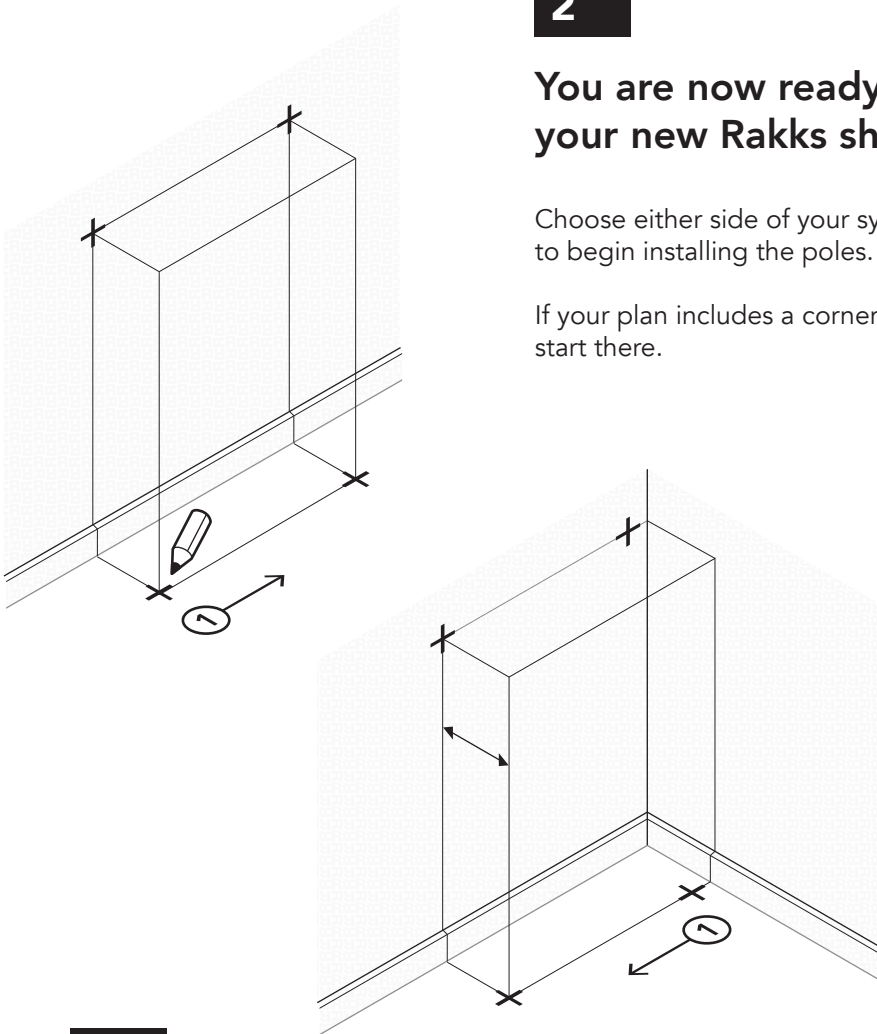
If your plan includes a corner, start there.

It is preferred that you locate and install the mitered tie-poles into wall studs. However, **plastic wall anchors** are also provided and can be used for up to 50% of the wall-mounting locations.

Use a stud finder to locate the wall studs and mark them with painter's tape.

On the wall, measure up from the floor to the height of your pole system and make a mark to locate the top of the mitered tie; this will be the length of the pole plus 1 ½".

If using floor anchor brackets, mark at the exact length of the pole instead.



3

Place and mount the first pole.

Place one of the assembled mitered tie-pole kits against the wall at the first marked out location. Hold the anchor against the wall with the pole kit parallel.

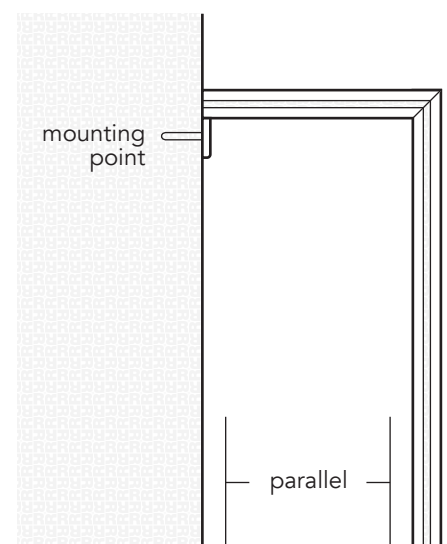
Locate the plastic wall anchor or stud **mounting point**.

If you are securing the mitered tie-pole to a stud, use the 1 ½" screws provided to secure the tie-to-wall anchor.

If using plastic anchors, make a pencil mark on the wall, through the screw hole in the tie-to-wall anchor.

Lay the pole kit back on the floor while you install the plastic anchor.

Now place the pole kit back into position and secure with the 1 ½" screw provided.

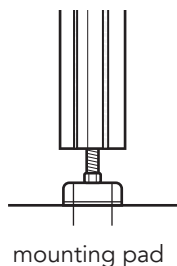


4

Level and secure poles to the floor

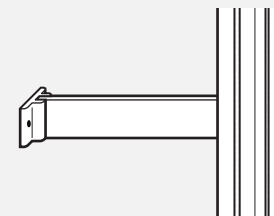
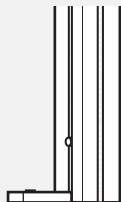
Mitered tie-pole kits do not need to be secured to the floor but it is recommended in high-traffic areas.

Use the provided 2-hole mounting pad and 1 ½" screws.



mounting pad

If your order includes **floor anchor brackets**, level the pole vertically and secure to the floor with the 1 ½" screws provided. Make sure the bracket faces the wall.



If you have inserted **tie brackets** in the previous step, you can now level the pole vertically and then secure the tie bracket back to the wall using the 1 ½" screws provided.

Mount into studs or installed plastic wall anchors. See tie bracket instructions for detailed installation.

5

Place and mount the rest of the system.

Once the first pole kit is installed, measure over to the next pole location.

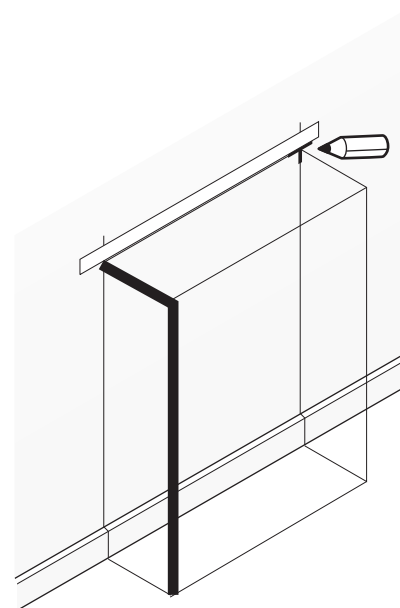
We recommend that you do not to exceed a span of 32" between poles unless you have heavy-duty shelves which can support a span of up to 48".

Mark the center of the next pole where there is a wall stud (or where you will install the remaining plastic wall anchors).

Place a level on top of the installed mitered tie-pole, hold a level plane and mark the top of your next pole.

Repeat steps 3 through 5 for the remaining poles in your system. If necessary, adjust the bottom mounting pad to keep the top of each pole on the same level plane.

If your system includes cabinets or bolt-on hangbars, it is very important at this point that you place the poles at the appropriate widths. See **Cabinet installation** or **Hangbar installation**.



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket ←

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

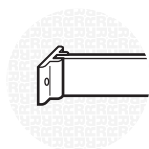
4

Install Accessories

Shelf Accessories →

Other Accessories →

Parts included for installation of tie brackets:



Tie Bracket



Screws

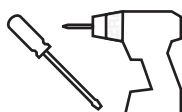


Plastic ceiling anchors

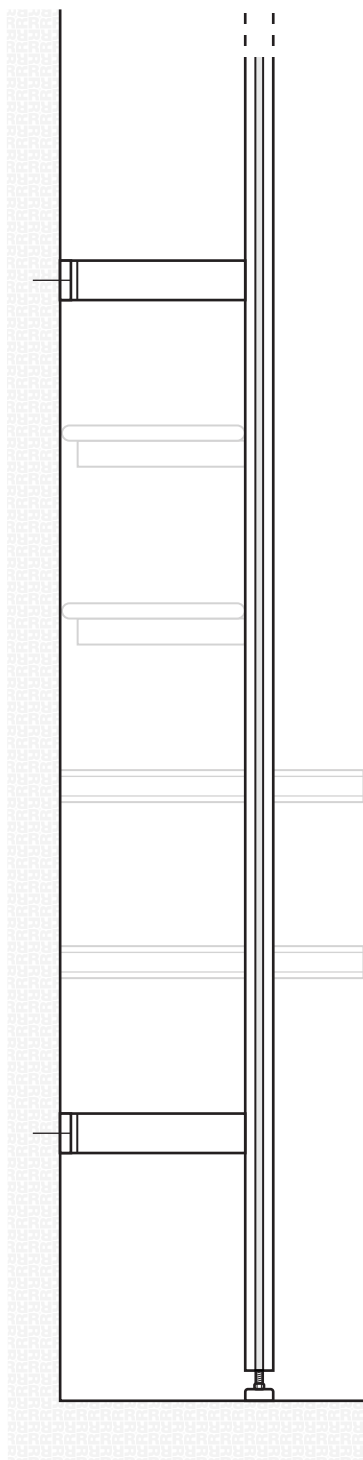
Additionally, you will need:



Measuring tape
Pencil or painter's tape
Level



Drill driver + bit
Philips screwdriver



Tie brackets have 2 purposes:

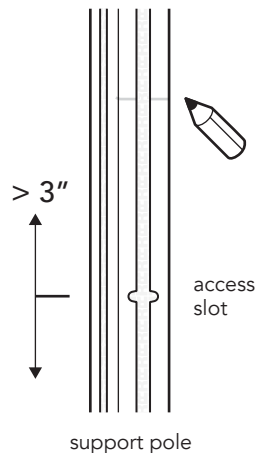
To secure the bottom of the pole to the wall instead of having to drill holes in the floor to install mounting pads or floor anchors.

To stabilize and add rigidity to a tall system.

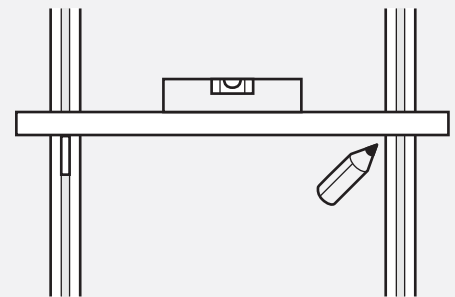
1

Mark out the location of the tie brackets on the support poles.

Do not cover **access slots** with brackets. Leave 3" clearance above or below the slots.



If you are using **tie brackets** to support your shelves, be sure they are level with the other brackets for that shelf.



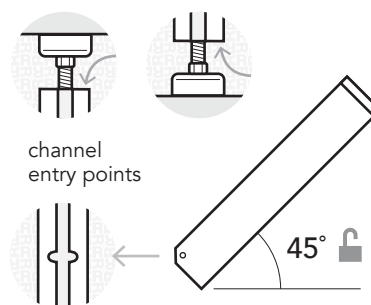
2

Place and lock the first tie bracket.

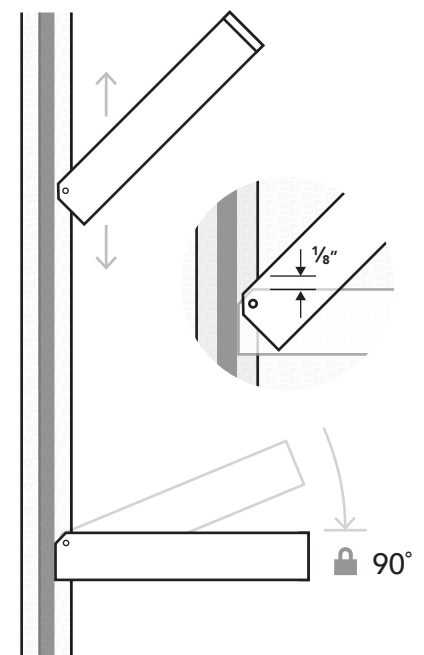
Insert the tie bracket at a 45° angle into the rear-facing channel of the pole and slide it up to the desired height.

Hold the tie bracket so it sits 1/8" above the marked out location on the pole. It will fall to the mark once it is locked in place. Lock the bracket into position by pulling down firmly.

Note: Once tie brackets are locked in place and anchored to the wall, you may not be able to install other



brackets and accessories in the rear-facing channel so check that you will have available channel entry points. You may need to insert all brackets and accessories in top-to-bottom order at this time.



Tie Brackets

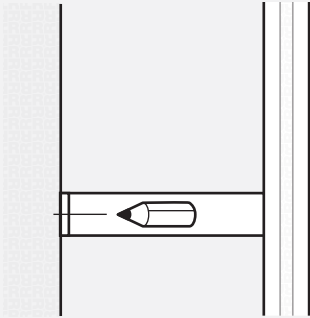
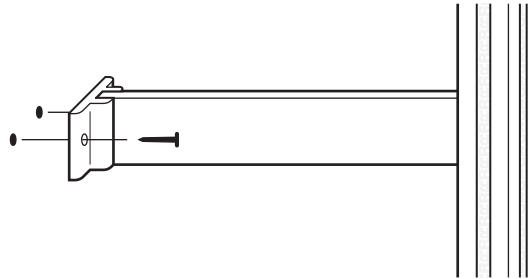
1D

3

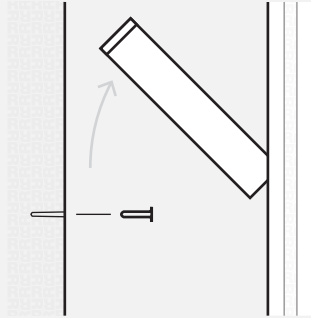
Anchor to wall.

The locked tie bracket will sit flush against the wall. Screw it into a wall stud.

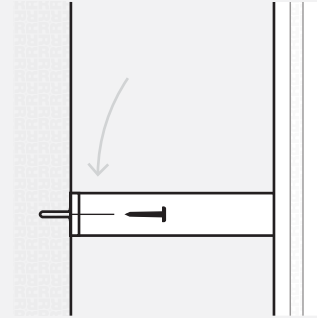
Repeat for the remaining tie brackets in your system.



If you are using **plastic wall anchors**, make marks on the wall through the holes in the tie bracket.



Now unlock the tie bracket back to 45° and move it up and out of the way. Use a 1/4" drill bit to drill the mounting points for the plastic anchors. Install the plastic anchors.



Move the tie bracket back into position and lock back in place. Secure the tie bracket to the plastic wall anchors using the screws provided.

Tip: When you re-lock the bracket you will feel slight indentations as you slide the bracket over the previous locking place.

1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket →

2 ←

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

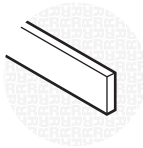
4

Install Accessories

Shelf Accessories →

Other Accessories →

BR brackets:



Rakks Style



Rakks T-Style



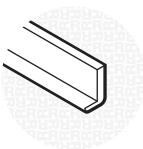
Slanted



T-Style Lab

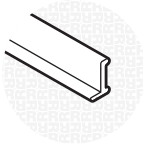


Floating



Tray

Specialty brackets:



L-Bracket
for PC2 Pole or
threaded inserts

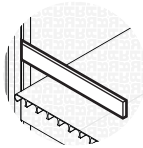


Aria Display

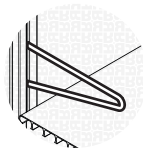


Desk Support

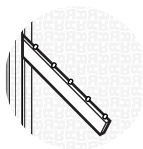
BR channel accessories:



Rakks Style
Bookend



Universal Wire
Bookend



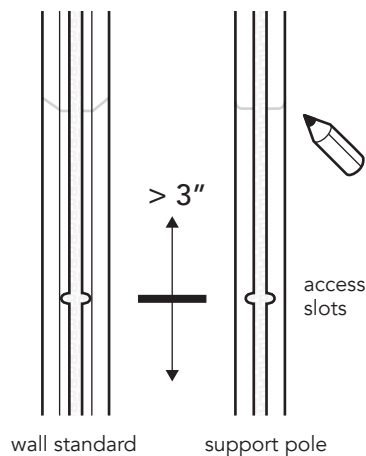
Waterfall

1

First, mark out the shelf locations.

Place marks on one of the **wall standards** or **poles** to indicate where the bottom edge of each shelf will be.

Do not cover **access slots** with brackets. Leave 3" clearance above and below the slots.



2

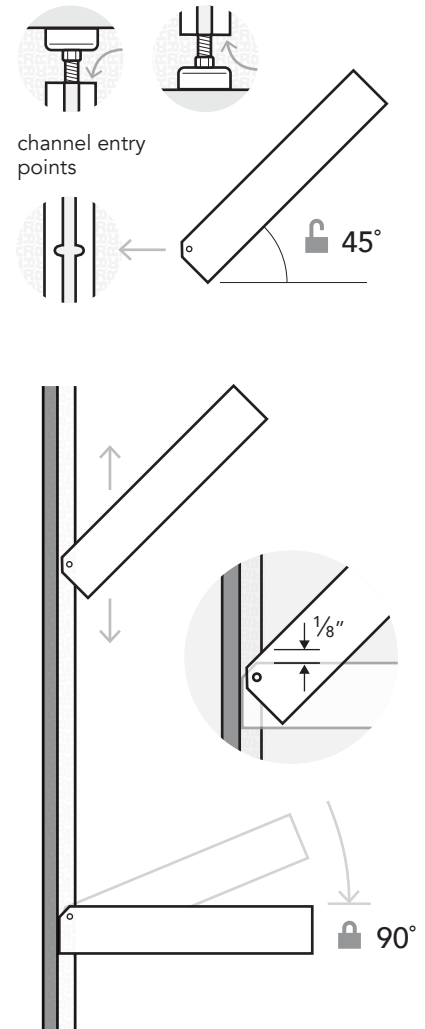
Insert and place bracket.

Use the **channel entry points** at the top or bottom of the pole or standard. If you have requested custom access slots in a tall system, you can use those to insert brackets.

Hold the bracket so it sits $\frac{1}{8}$ " above the marked out location on the pole or standard. It will fall to the mark once it is locked in place. Lock the bracket into position by pulling down firmly.

The bracket will sit at 90° when your shelf is loaded with items.

If you ordered **Rakks bookends** or **tie brackets**, they should be inserted between the brackets in sequence at this time.



3

Align and place the other brackets.

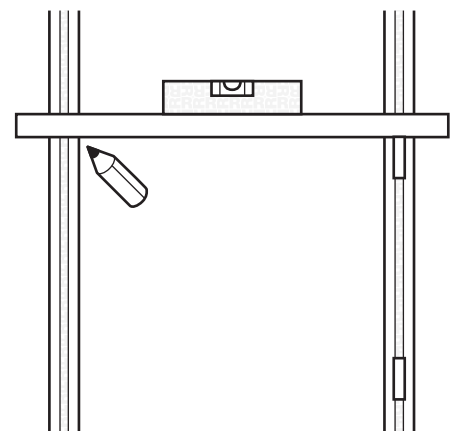
Using a level, rest one end on the installed bracket and the other end against the adjacent installed pole or standard.

If your level is not able to reach the adjacent pole or standard, you can use a shelf and rest your level on top.

Mark your adjacent bracket location and install the bracket.

Repeat for the remaining brackets.

See instructions for securing surfaces to the brackets. Depending on your order, you may have retaining pins, mounting surfaces, glass shelf rests or hold-down clips.



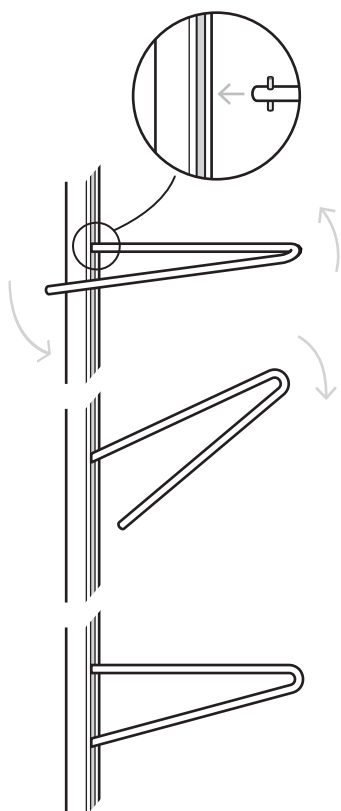
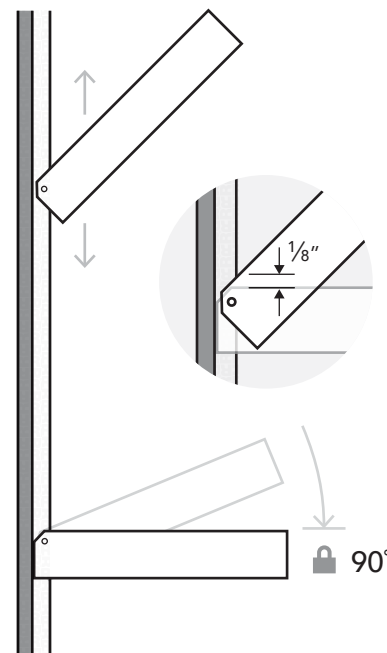
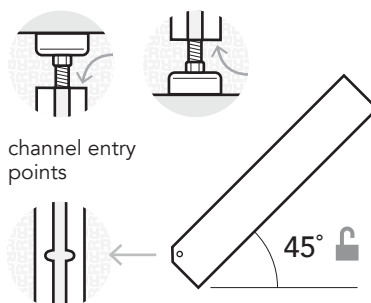
Rakks Style Bookend and Waterfall Bracket

Rakks Style **bookends** and **waterfall brackets** are all installed in the same way. If installed with **BR brackets** or **tie brackets**, the accessories should be inserted between the brackets in sequence.

Use the **channel entry points** at the top or bottom of the pole or standard. If you have requested custom access slots in a tall system, you can use those to insert the accessories.

Do not cover access slots with accessories. Leave 3" clearance above or below the slots.

Hold the accessory so it sits $\frac{1}{8}$ " above the marked out location on the pole or standard. It will fall to the mark once it is locked in place. Lock the accessory into position by pulling down firmly.



Universal Wire Bookend

Insert the **wire bookend** into any Rakks **standard** or **pole**, making sure that the anchor pin is vertical.

Carefully twist the bracket 90° while lifting it into the position shown.

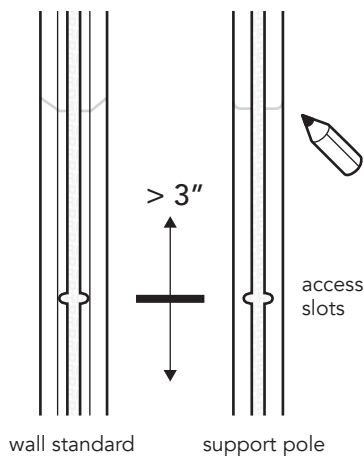
While the bracket is still oriented upward at 45°, slide it to the desired height and then pull it down so that it locks into position with the bottom end fitting into the channel.

1

First, mark out the desk bracket location.

Place marks on one of the **wall standards** or **poles** to indicate where the bottom edge of the desk or work surface will be.

Do not cover **access slots** with brackets. Leave 3" clearance above and below the slots.



2

Insert and place desk bracket.

Note the two untightened screws. Remove **screw A**.

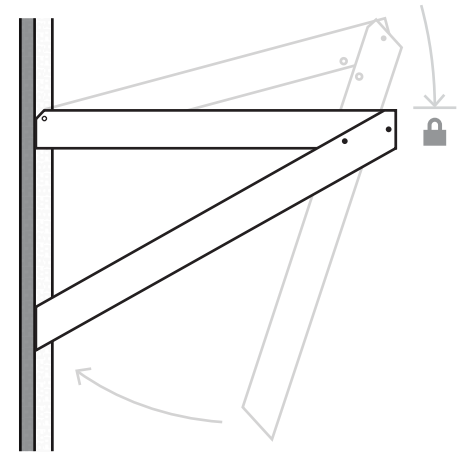
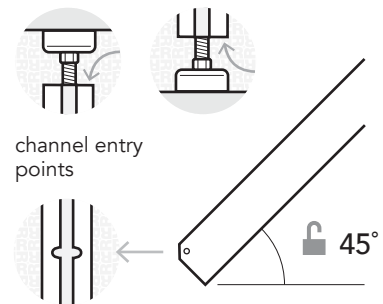
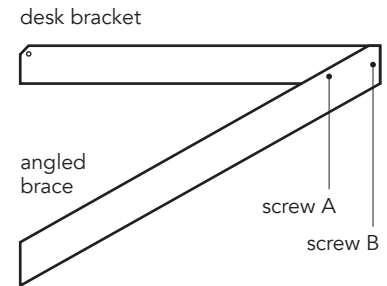
The **angled brace**, attached to the bracket with **screw B**, will hang down vertically.

Hold the desk bracket at a 45° angle and slide it into a **channel entry point** on the pole or standard.

Hold the desk bracket so it sits 1/8" above the marked out location on the pole or standard. It will fall to the mark once it is locked in place. Lock the accessory into position by pulling down firmly.

Swing the angled brace so that it sits flat against the back wall of the channel. The holes for screw A will now be lined up.

Hold the brace in place and insert screw A through the holes. Tighten with the Allen key until snug, then tighten screw B. Do not overtighten.



3

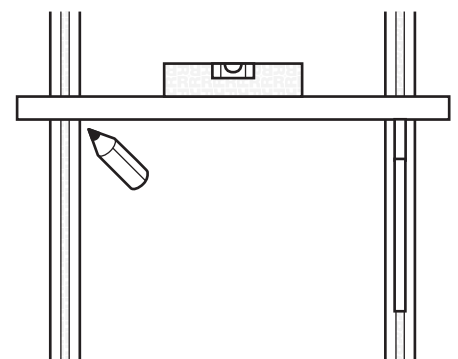
Align and place the other desk bracket(s).

Use a level to ensure that the surface is horizontal. Rest one end on the installed desk bracket and the other end against the adjacent installed pole or standard.

Mark the location along the underside of the level.

Install the desk bracket. Repeat the process for any remaining desk brackets.

See instructions for securing surfaces to the brackets. Depending on your order, you may have mounting surfaces, retaining pins or double-sided foam tape.



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3 ←

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4

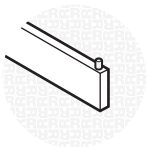
Install Accessories

Shelf Accessories →

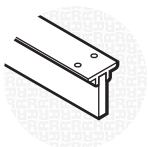
Other Accessories →



**Shelf
Installation**



**Securing Surfaces
with Retaining
Pins**



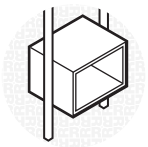
**Securing with
Mounting Surfaces**

**Compatible with
wall-mounted shelving:**

**Compatible with
BR and BL pole shelving:**



**Continental
Shelf**



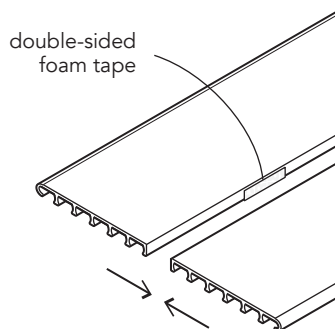
Cabinetry

Rakks shelving systems accommodate several types of shelf with these slight differences in installation:

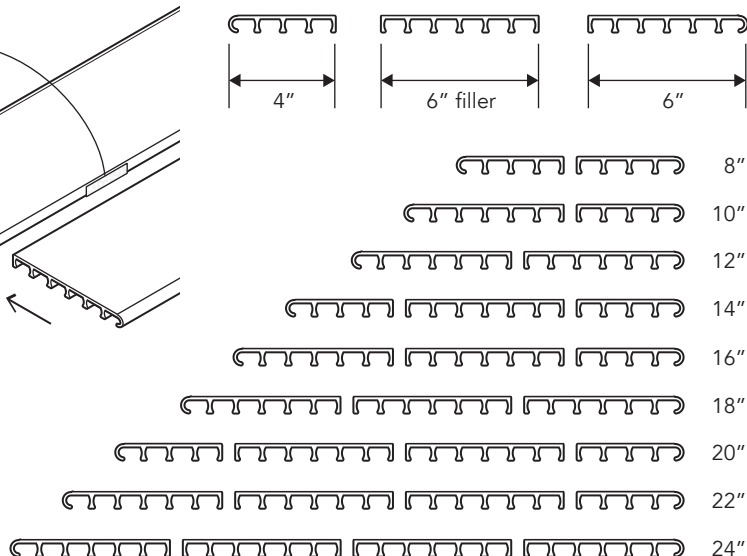
Rakks aluminum shelving comes in multiple pieces to make up the shelf depth. Apply the provided **double-sided foam tape** as shown to prevent side-to-side movement.

Wood shelving is secured by **retaining pins** or screwed into **mounting surfaces**.

If you have glass shelving, your order will include **clear plastic shelf rests** for the tops of the brackets.

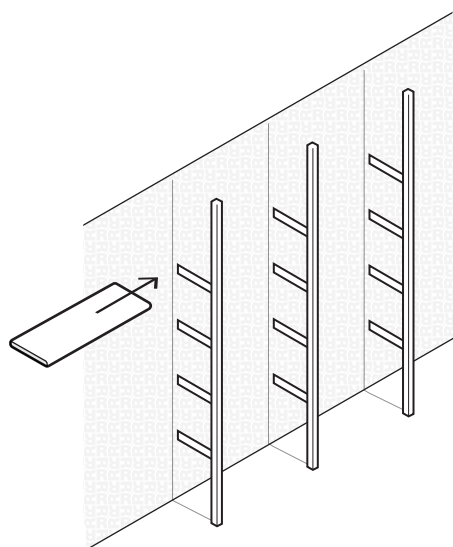


Rakks aluminum shelves

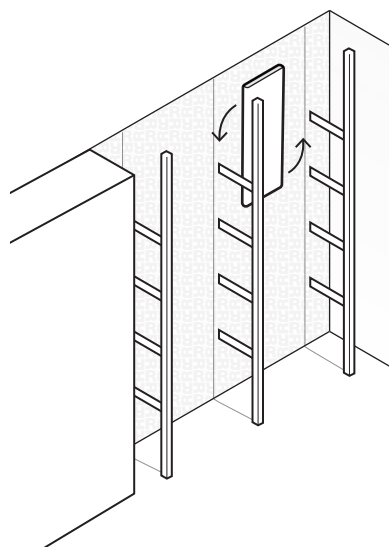


Install shelves one at a time.

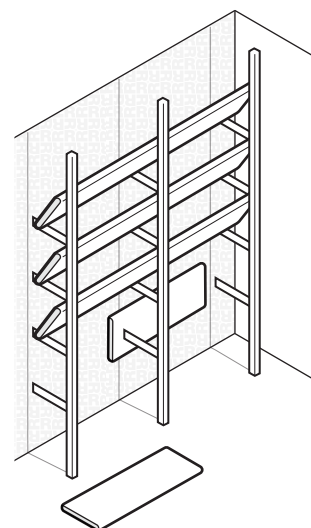
If you have access on any open side of your system, slide your shelves horizontally into position. Start with the top shelf and continue down.



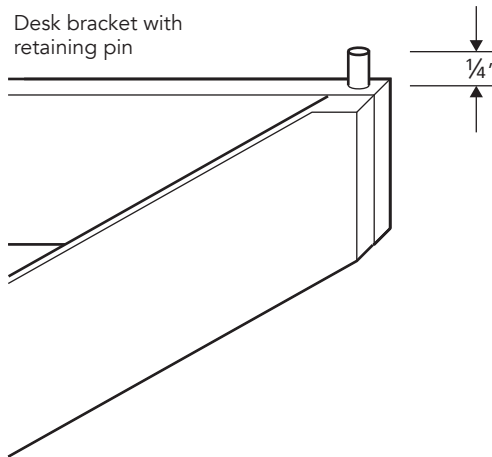
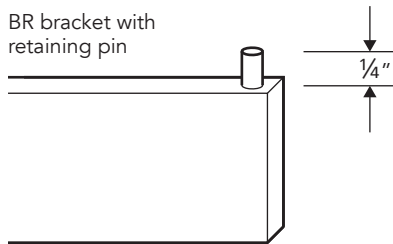
If you have the following accessories, install them now in the desired place before installing the next row of shelves: **hold-down clips**, **sliding wire bookends**, **shelf splines**.



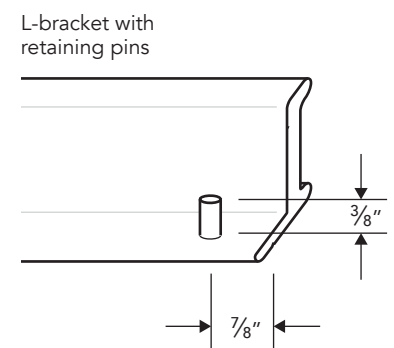
Tip: If no side access is available, try holding the shelf vertically against the wall and between two poles. Rakks brackets allow $\frac{3}{4}$ " so that you can rotate the shelf behind the brackets in a tight area. Don't lower the shelves until all are in place and resting upright on their respective brackets.



If ordered with Rakks **BR brackets** or **desk brackets**, the retaining pin should be located at the front end of the bracket. The pin protrudes $\frac{1}{4}$ " above the bracket.



If ordered with **L-brackets**, the retaining pins are on both ends, protruding $\frac{3}{8}$ " above the bracket.



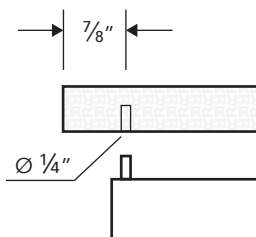
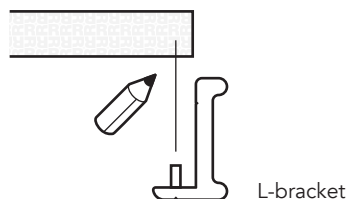
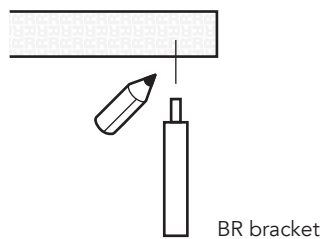
With wood or melamine shelving

To be certain that the hole location is correct, we recommend that you have your shelving system in place before drilling the holes.

If you have retaining pins on your brackets and you are installing wood or melamine shelves, you will need to drill $\frac{1}{4}$ "-diameter holes, $\frac{3}{8}$ " deep, in the underside of your shelf.

To mark the hole location, place the shelf in position on top of the retaining pins and circle the location of each pin.

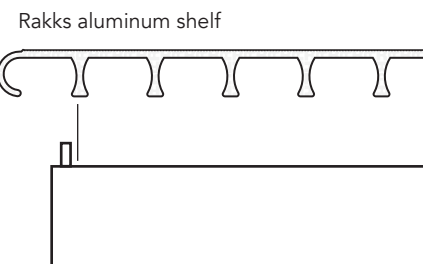
For typical shelf depths (8", 10", 12", 14") the holes will be $\frac{7}{8}$ " on center from the front edge of the shelf. For other depths, contact your Rakks representative.



With Rakks aluminum shelves

Retaining pins prevent Rakks shelves from sliding front to back.

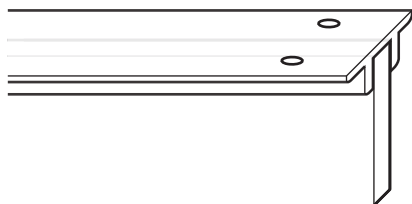
Place the shelf so that the first rib is behind the pin.



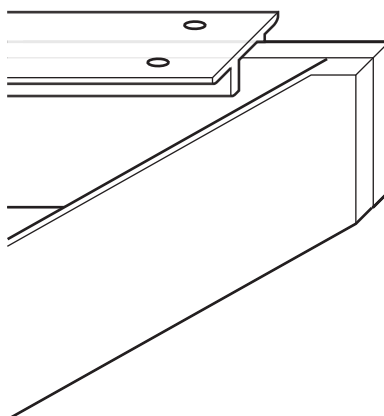
If ordered with Q-standards, when you place the shelf, the first rib is in front of the pin.

If your bracket has a mounting surface attached to the top side, it will have 4 mounting holes.

T-style bracket with mounting surface

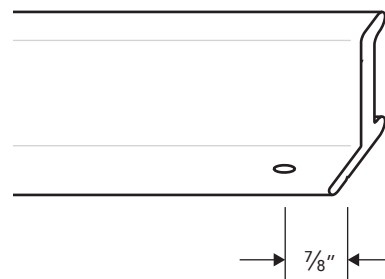


Desk bracket with mounting surface



If ordered with **L-brackets**, the mounting holes will be on both ends.

L-bracket with mounting holes



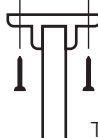
With wood or melamine shelving

Place the work surface on the brackets and mark the hole locations.

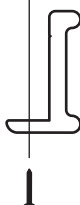
Pre-drill pilot holes that are at least $\frac{1}{4}$ " shorter than the depth of the work surface.

Screw in wood screws (not provided).

Tip: You can also use double-sided foam tape to secure the surface to the bracket.



T-style bracket



L-bracket

1

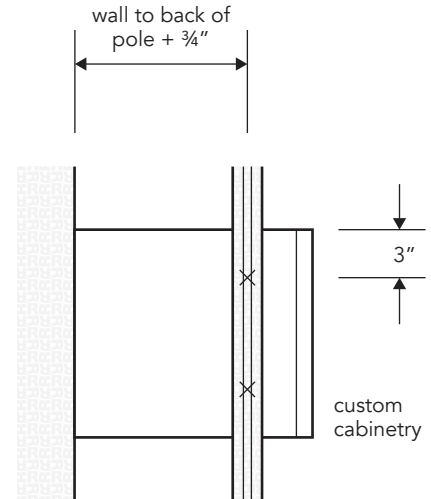
Locate the holes.

The standard horizontal location of the mounting holes in your **cabinet** will be the distance from the wall to the back of the pole plus $\frac{3}{4}$ ". If your order includes the PD6 or PS4 poles, it will be the distance from the wall to the back of the pole plus 1".

The recommended vertical location of the holes is 3" from the top and bottom.

Extra tall cabinets (over 32") will require three screws per side and a tiny cabinet will still require 2 screws per side to prevent tilting.

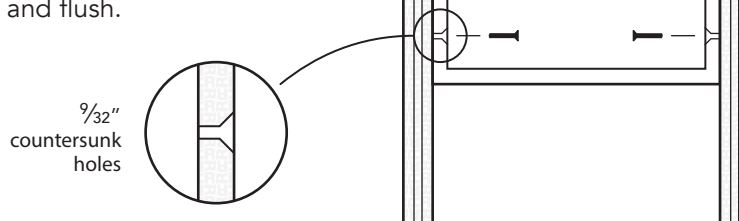
Before drilling the holes, be aware of any internal components such as drawer runners.



2

Drill the holes.

Drill two $\frac{9}{32}$ " holes into each outer side of the cabinet. From the inside of the cabinet, countersink the holes so the screw heads will be recessed and flush.



3

Fasten the cabinets.

Position the cabinet between the poles and against the wall at the desired height. You may wish to cut wood blocks or posts to help support the cabinet during installation.

Screw the cabinet into the poles from the inside using the screws you were provided with. Do not overtighten.

1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4 ←

Install Accessories

Shelf Accessories →

Other Accessories →

Shelf accessories:



Sliding Wire
Bookend



Label Holder



Shelf
Bridge Clip



Hold-down Clip



Shelf Spline

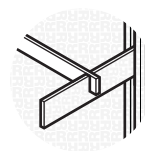


Shelf End

Other accessories:



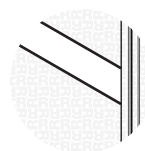
Shelf Lip



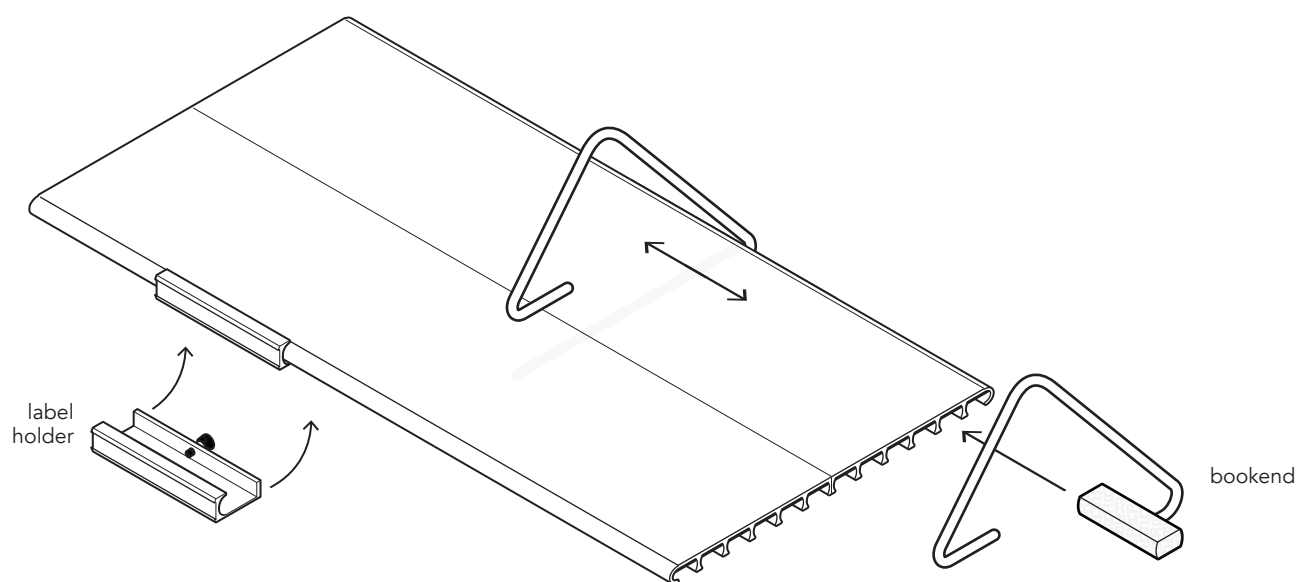
Shelf Stiffener



BR hangbar
with notched
bracket



J-hangbar
with bolt-on
bracket



Label Holder

Clip the **label holder** on the front of the shelf, slide to the desired position, then tighten the thumb screw.

Sliding Wire Bookend

Insert the **bookend** into the second rear channel.

Determine where you would like your bookend to be situated on the shelf.

Tighten the thumb screw to secure the bookend to the shelf.

Hold-down Clip

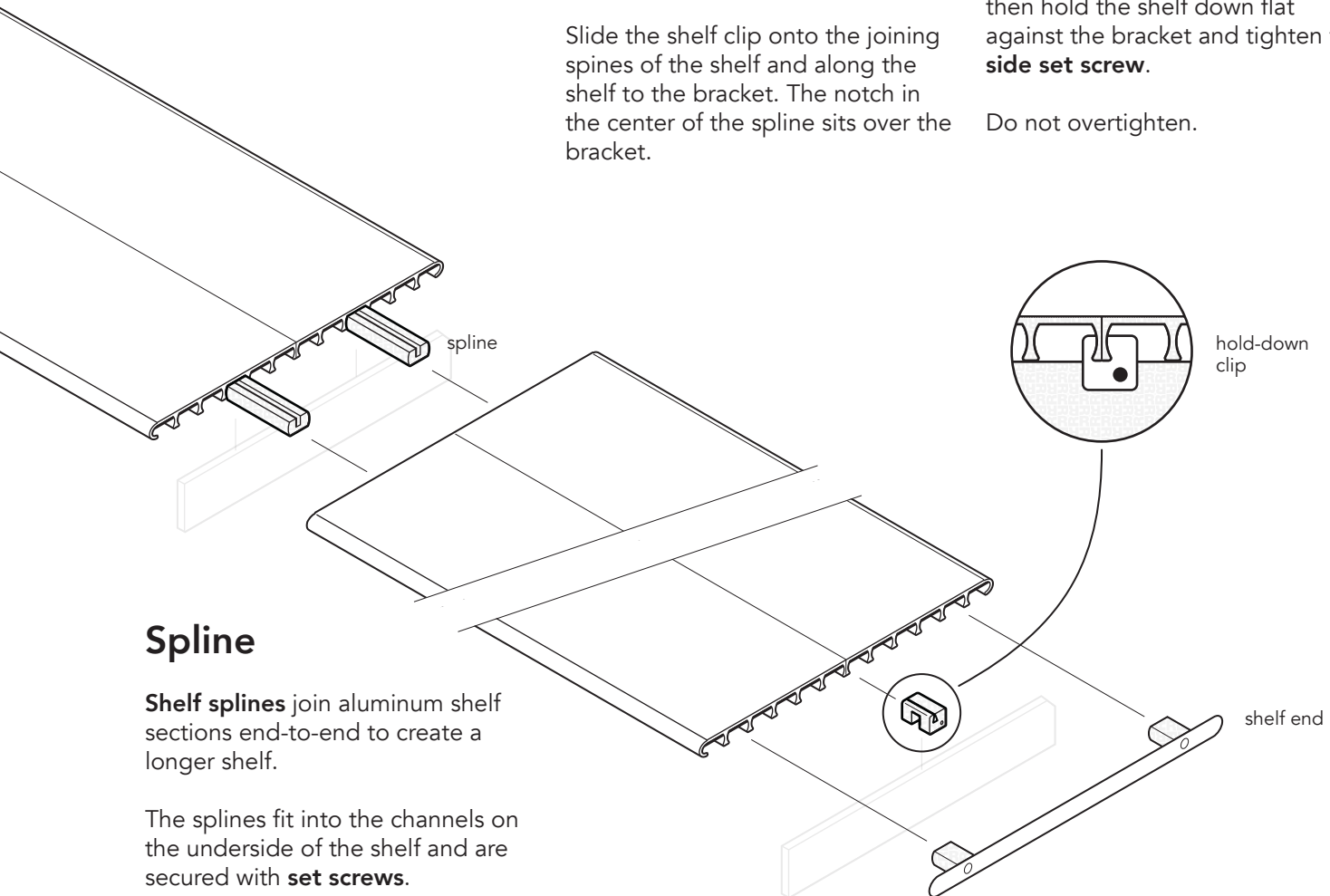
Shelf hold-down clips are used to secure aluminum shelves to a BR bracket, eliminating the need for retaining pins.

Slide the shelf clip onto the joining spines of the shelf and along the shelf to the bracket. The notch in the center of the spline sits over the bracket.

Make sure the shelves are properly positioned and aligned.

Tighten the **bottom set screw** first, then hold the shelf down flat against the bracket and tighten the **side set screw**.

Do not overtighten.



Spline

Shelf splines join aluminum shelf sections end-to-end to create a longer shelf.

The splines fit into the channels on the underside of the shelf and are secured with **set screws**.

Shelves must always join at a bracket.

Do not overtighten.

Shelf End

Align **shelf end inserts** into their respective shelf channels.

Make sure that the **shelf end** is flush with the edge of the shelf. Tighten the **bottom set screws**.

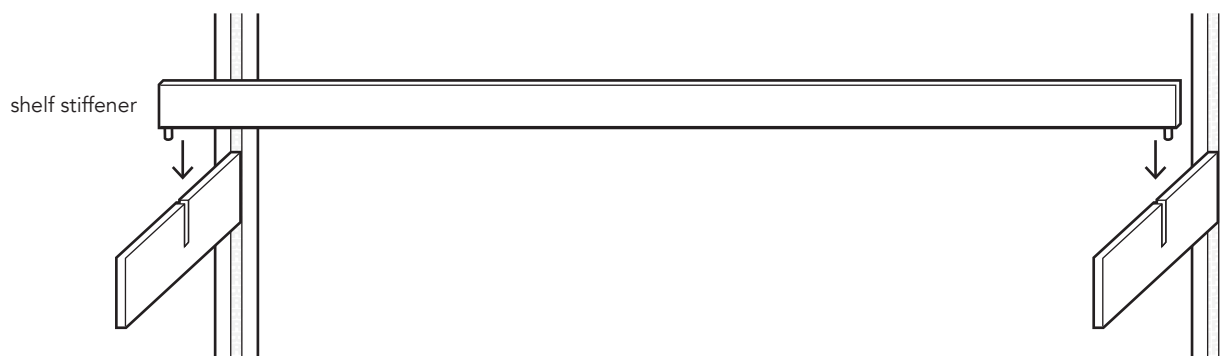
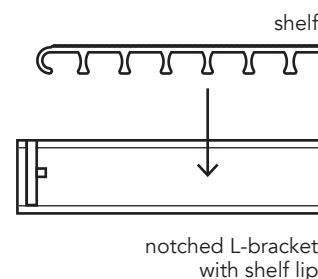
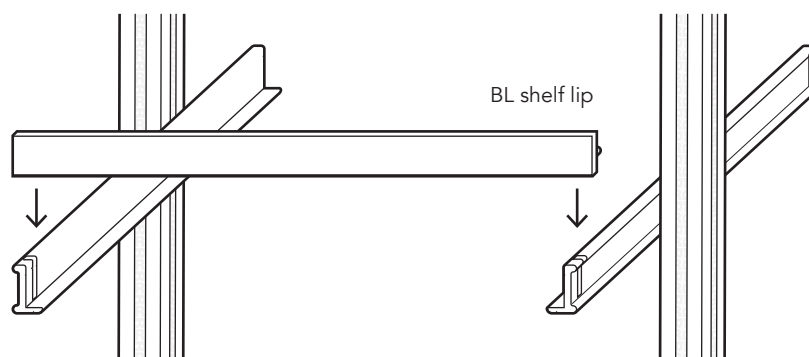
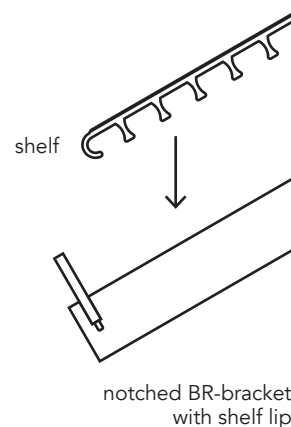
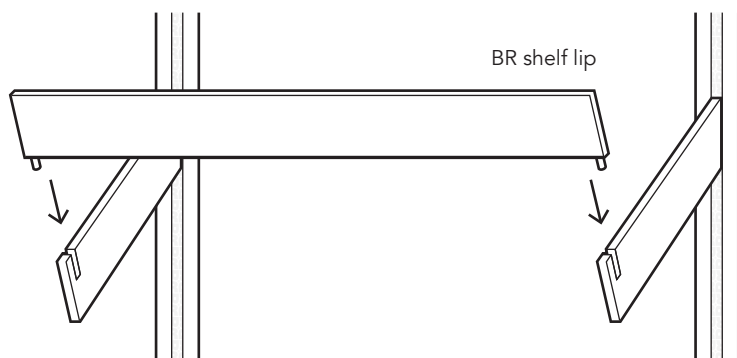
Do not overtighten.

Shelf Lip or Shelf Stiffener

Locate the desired height for your shelf and install the **notched brackets** on a level plane across the standards or poles. (For detailed bracket installation see BR bracket or L-bracket installation guide.)

Place the **shelf lip** or **shelf stiffener** over the notched brackets and install into the notches.

If the shelf lip has pins they should sit on the outer sides of the end brackets.

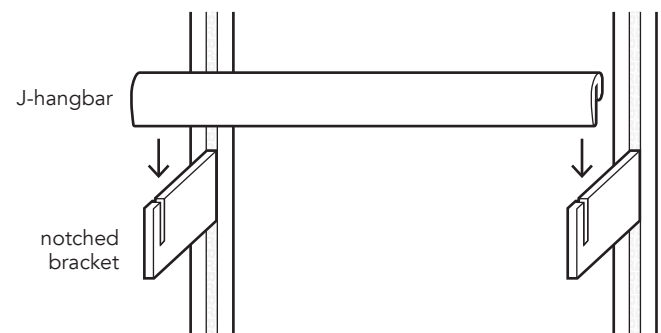
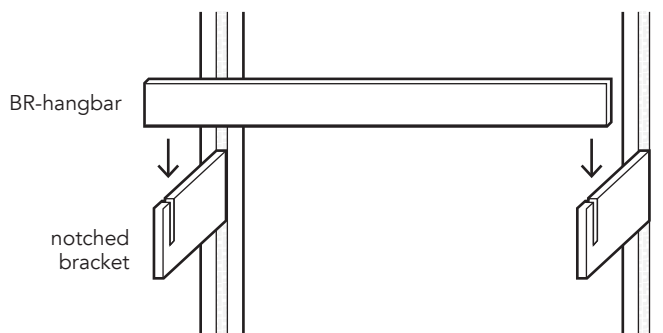


Hangbar on Notched Bracket

Locate the desired height for your **BR-hangbar** or **J-hangbar** and install the **notched brackets** provided on a level plane across the

standards or poles. (For detailed bracket installation see BR bracket installation guide.)

Place the hangbar over the notched brackets and install it into the notches. The pins on either end will sit against the outside of the bracket and prevent the hangbar from moving left to right.

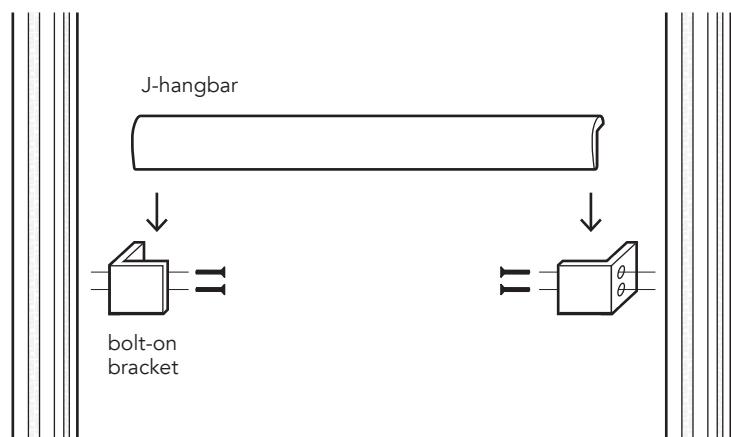


J-hangbar with Bolt-on Brackets

Locate the desired height for your **J-hangbar** on the threaded side of the pole. Install one **bolt-on bracket** with the screws provided at the marked-out location.

On the adjacent pole, use a level and mark the bracket location.

Install the second bracket and place the J-hangbar onto the bolt-on brackets.



1

Anchor the Poles

1A Threaded Compression →

1B Spring Compression →

1C Mitered Tie →

1D Tie Bracket →

2

Secure the Brackets

BR Brackets →

BR Channel Accessories →

Desk Support →

3

Place the Shelves and Surfaces

Shelf Installation →

Securing Surfaces →

Cabinetry →

4

Install Accessories

Shelf Accessories →

Other Accessories →