

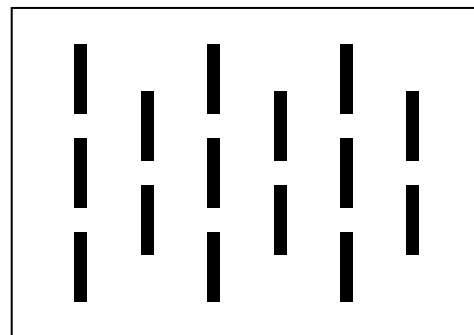
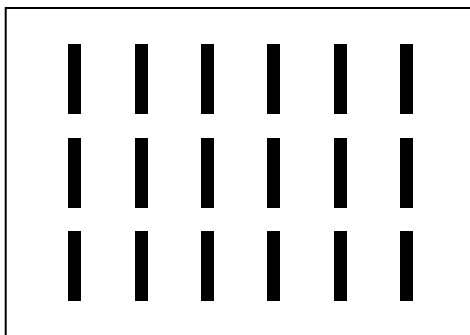
ECOSCAPES

Blades Installation Manual

Installation Tips

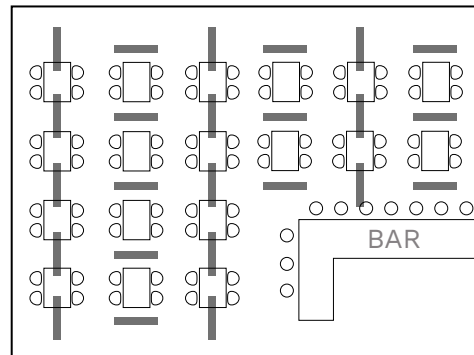
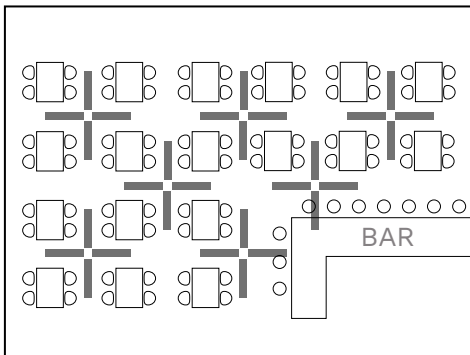
Density

The number of baffles in a given area will determine the rate of sound absorption. This can vary depending on room size and noise levels. For optimum acoustic performance, 12" (305mm) between the face of each baffle is recommended.



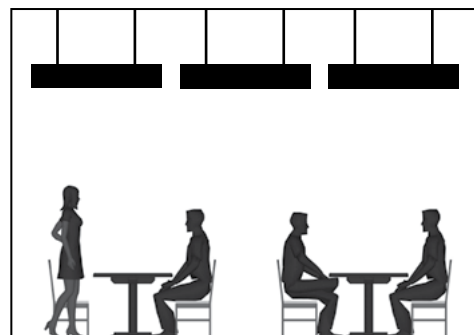
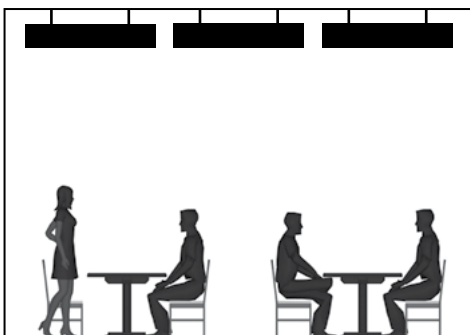
Pattern

Spread evenly for general sound control, or alternate baffle direction to absorb sound waves moving in multiple directions. Using a grid-like 'tic-tac-toe' layout will improve the performance as more random energy will be absorbed in the room. Notice that the baffles are suspended in both X and Y axes so that noise will be captured in both directions.



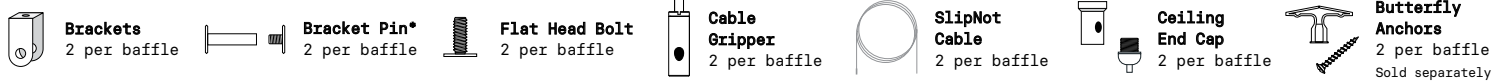
Suspension Height

Leave a minimum 3" (76mm) of air space between the baffle and ceiling, up to a maximum of 24" (610cm).

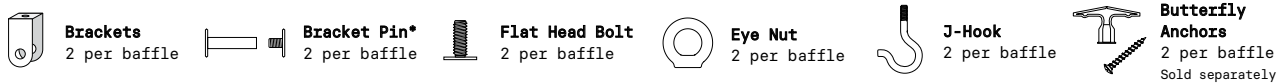


EcoScapes Blades are versatile enough to be installed on most common ceiling types. The installation method and hardware required will vary depending on your ceiling type and the method you use to suspend them.

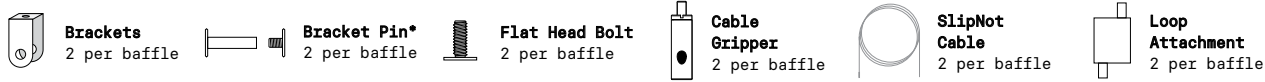
Suspending from a Standard Ceiling with SlipNot Cable



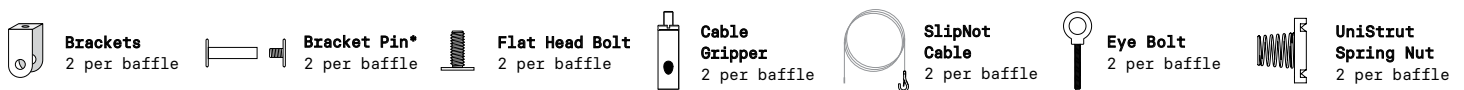
Suspending directly from a Standard Ceiling



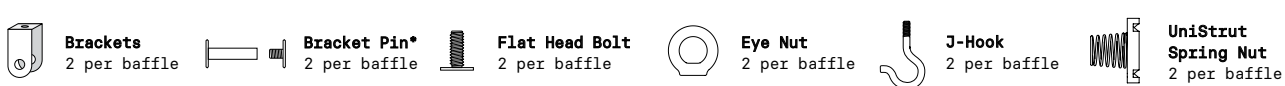
Suspending with Looped Cable



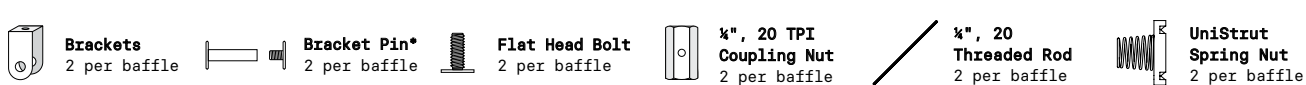
Suspending from Unistrut with SlipNot Cable



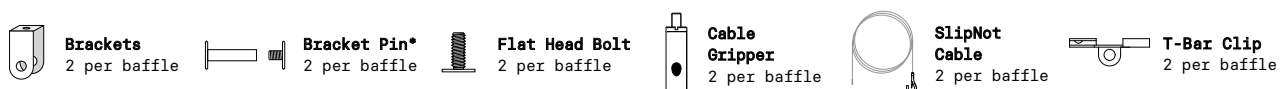
Suspending directly from Unistrut



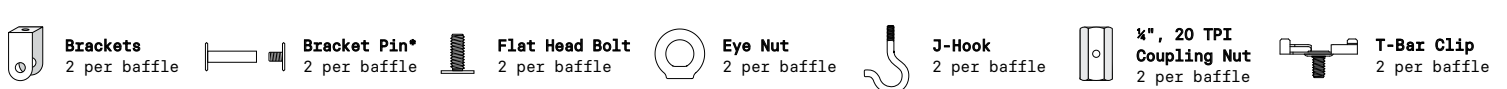
Suspending from Unistrut with Threaded Rod



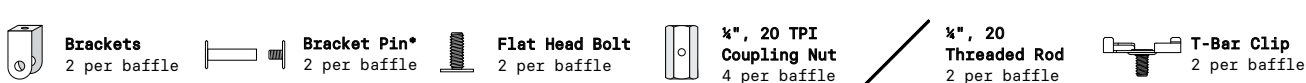
Suspending from T-Bar with SlipNot Cable



Suspending directly from T-Bar



Suspending from T-Bar with Threaded Rod



* Can be substituted with 1/4"-3/8" #8 screws (wood, dry-wall or sheet metal types). Do not use self-drilling screws.

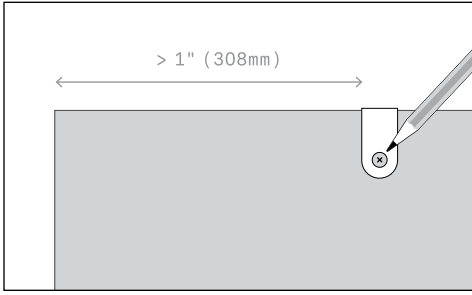
Tools Required

Stepladder/Scaffolding, Measuring Tape, Bubble Level, Drill, Screwdriver, Hammer, Wire Clippers

PET Panel Hole Punch
(E001 0002 00)
Sold Separately



1. Preparing the Baffles: *All Install Methods*

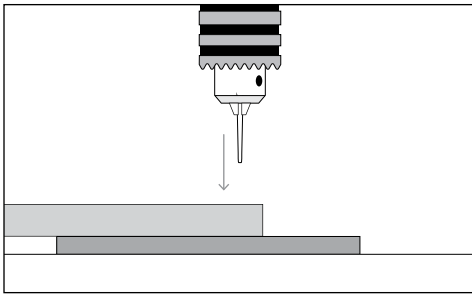


1. Mark Bracket Locations

Measure and mark the locations you want to place your suspension Brackets on the long edge of the Baffle. Use the Bracket as a guide to measure the correct distance in from the edge. The Bracket should be a minimum of 1' (308mm) in from the Baffle's short side edge.

If suspending from Unistrut, the distance between your strut channels will determine the width between your Brackets.

If suspending from a drop ceiling, the size of your ceiling grid will determine the width between your Brackets. Suspension points should be as far apart as possible while keeping within the 1' (308mm) boundaries.



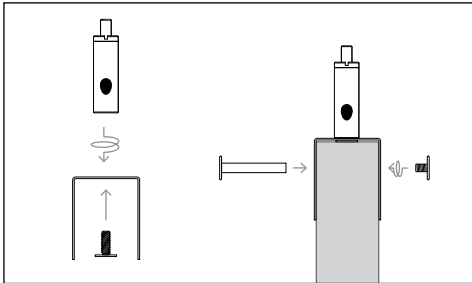
2. Punch/Drill Holes in the Baffle

Insert a PET hole punch tool into an electric drill or drill press. Place a small scrap piece of PET panel under the Baffle to be perforated. Keeping the electric drill square to the Baffle and on the marks made in step 1, drill straight through the Baffle into the scrap piece below. Be careful not to go beyond the scrap piece.

3 Attach the Brackets to the Baffles

Then, depending on your suspension method, choose one of the following options:

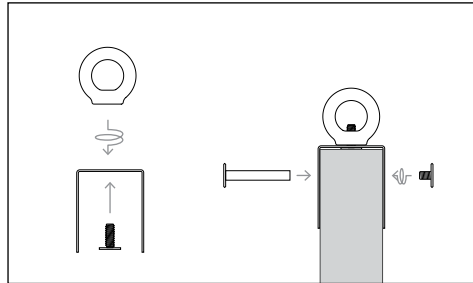
a. Using SlipNot Cable:



Push one of the Flat Head Bolts through the hole in the centre of the Bracket. Screw the Cable Gripper onto the Flat Head Bolt and tighten. Repeat for the other Bracket.

To attach the Bracket to the Baffle, align the Bracket holes with the hole made in step 2. Using the Bracket Pins, secure the Brackets to the Baffle.

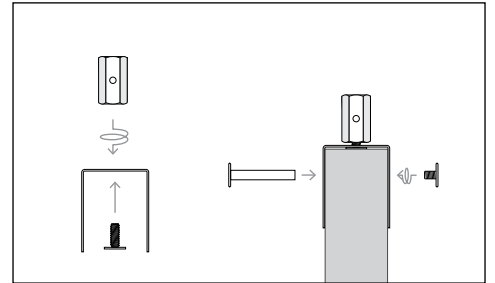
b. Suspending Directly:



Push one of the Flat Head Bolts through the hole in the centre of the Bracket. Twist one of the Eye Nuts onto it. Repeat for the other Bracket.

To attach the Bracket to the Baffle, align the Bracket holes with the hole made in step 2. Using the Bracket Pins, secure the Brackets to the Baffle.

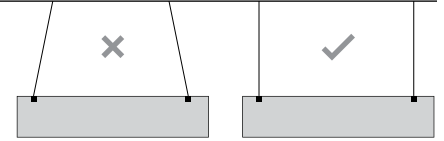
c. Using Threaded Rod:



Push one of the Flat Head Bolts through the hole in the centre of the Bracket. Twist one of the Coupling Nuts onto it (do not over-tighten the Coupling Nut - the Flat Head Bolt should still be able to rotate freely). Repeat for the other Bracket.

To attach the Bracket to the Baffle, align the Bracket holes with the hole made in step 2. Using the Bracket Pins, secure the Brackets to the Baffle.

2A. Suspending the Baffles from a Standard Ceiling



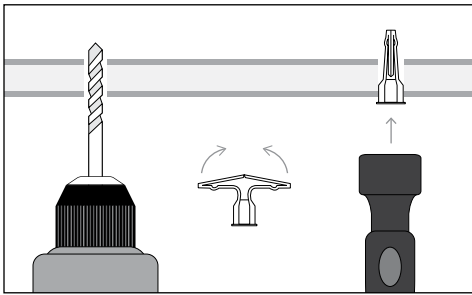
1. Mark the Ceiling

Measure and mark your ceiling for suspension point locations. Pay close attention to where you want the Baffle to be located. Each anchor location should be spaced to mirror the distance between the Baffle Brackets, so the SlipNot Cables hang straight, down, creating a dead hang.

2. Determine the Ceiling Type

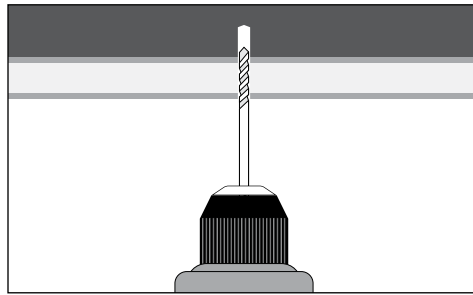
The next steps will vary, depending on the type of ceiling you are suspending your Baffles from. Using a hammer, tap a nail into each ceiling anchor location to determine whether your ceiling has a solid or hollow backing.

a. Hollow-backed Ceiling:



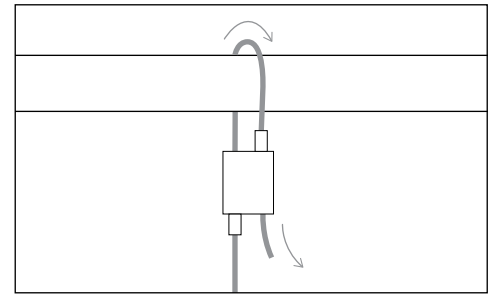
If the backing above your ceiling is hollow, use a 5/16" (7.9mm) drill bit to make a hole for a Butterfly Anchor. Fold the Butterfly Anchor and hammer it into place. Make sure you choose an anchor with sufficient weight capacity for your Baffle. Go to step 3

b. Solid-backed Ceiling:



If one or more of your ceiling anchor locations are on a solid backing, such as a joist, no Butterfly Anchors are required. Simply use a 1/8" (3.2mm) drill bit to make a pilot hole. Go to step 3

c. Looped:



You also have the option to loop the SlipNot Cable over an element such as a pipe, joist, or beam. Before doing so, please check the maximum weight the element you are suspending the panel can hold.

Thread the unterminated end of the SlipNot Cable through one hole in the Loop Attachment and pull enough cable through to loop around your element.

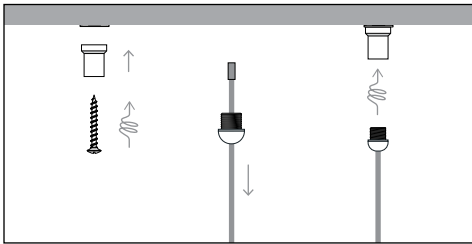
Loop the SlipNot Cable loosely over the element, then thread it back through the second hole in the Loop Attachment.

Finally, pull the SlipNot Cable tight around the element. Then repeat for the other SlipNot Cable.

3. Attach the Ceiling Hardware:

Depending on your suspension method, choose one of the following two options:

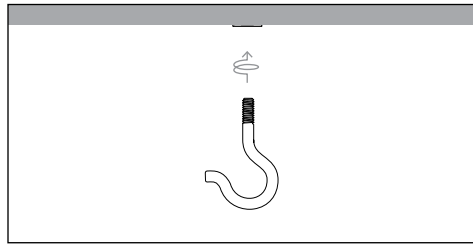
a. Suspending with Cable:



Screw the cylindrical section of the Ceiling End Cap into each anchor/hole.

Then, thread the unterminated end of the SlipNot Cable down through the hole in the domed section of the Ceiling End Cap. Finally, screw the two sections together. Repeat for the other anchor point.

b. Suspending directly:

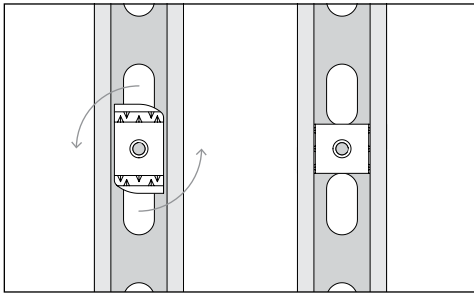
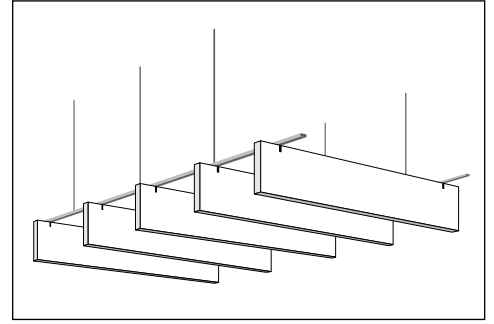
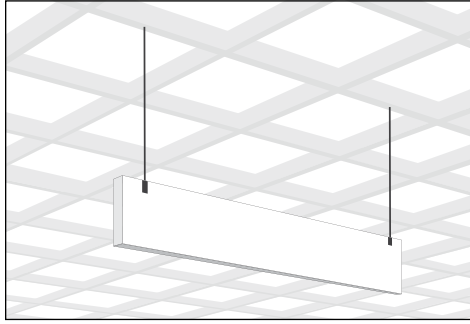


Twist a J-Hook into each anchor/hole.

2B. Suspending the Baffles from UniStrut

Arrays

As an alternative to suspending the baffles directly from a pre-existing UniStrut system, you can also use UniStrut to create large baffle arrays. The array can be built on the ground, and then suspended in one go, requiring far fewer mount points on the ceiling. Be sure to check the weight limits for your ceiling before beginning.



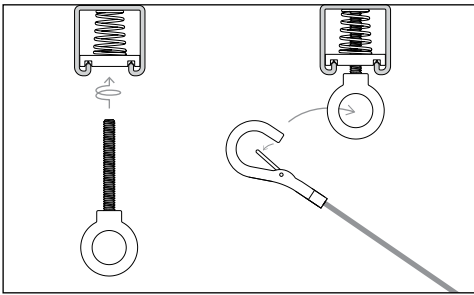
1. Attach the Spring Nuts

Take a Spring Nut and press it (spring first) into the channel of your UniStrut. If the UniStrut is perforated, try to choose an area between the holes. Twist the Spring Nut counter-clockwise 90° until it sits securely in the UniStrut rail. Repeat for the other Spring Nut, making sure the two nuts are parallel to one another.

2. Attach the UniStrut Hardware

Then, depending on your suspension method, choose one of the following options:

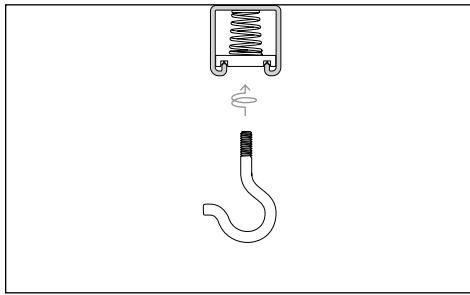
a. Suspending with SlipNot Cable



Twist an Eye Bolt into each of the Spring Nuts until secure.

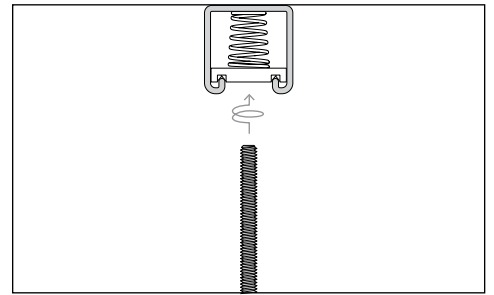
Take one of the SlipNot Cables, and clip the carabiner attachment onto the Eye Nut. Repeat for the other SlipNot Cable.

b. Suspending Directly



Twist a J-Hook into each of the Spring Nuts until secure.

c. Suspending with Threaded Rod

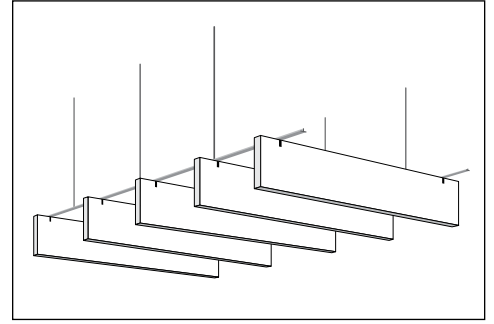
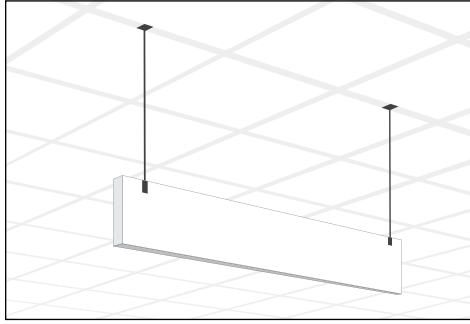


Twist a Threaded Rod into each Spring Nut until secure.

2C. Suspending the Baffles from a T-Bar Ceiling

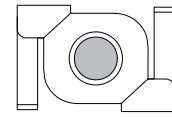
Arrays

As an alternative to suspending the baffles directly from a pre-existing T-Bar ceiling, you can also use T-Bar to create large baffle arrays. The array can be built on the ground, and then suspended in one go, requiring far fewer mount points on the ceiling. Be sure to check the weight limits for your ceiling before beginning.

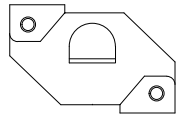


1. Attach the T-Bar Clips

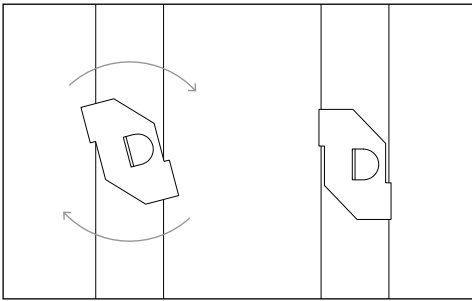
The specific design of T-Bar Clip included with your hardware will vary depending on your install method, but both types can be clipped onto the T-Bar grid in the same way.



Clip with Bolt



Clip with Loop

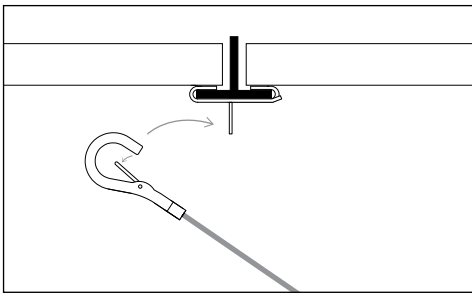


Stand below the first mount point on a stable surface within easy reach of the ceiling struts. Press the first T-Bar Clip against the strut at a slight anti-clockwise angle (10 o'clock). Gradually twist the T-Bar Clip clockwise onto the strut (12 o'clock). This shouldn't require excess pressure and can be done by hand. You may need to briefly push up the surrounding ceiling tiles to allow space for the T-Bar Clip.

2. Attach the T-Bar Hardware

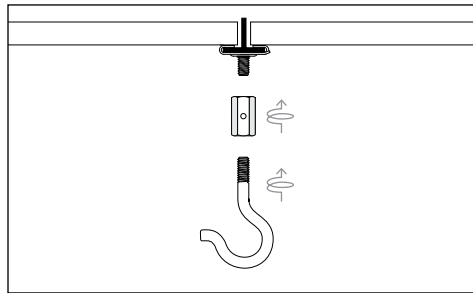
Then, depending on your suspension method, choose one of the following options:

a. Suspending with SlipNot Cable



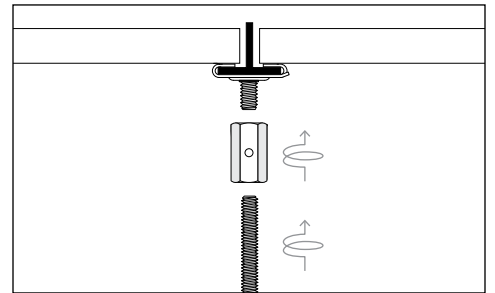
Take one of the SlipNot Cables, and clip the carabiner attachment through the hole on the T-Bar Clip. Repeat for the other SlipNot Cable.

b. Suspending Directly



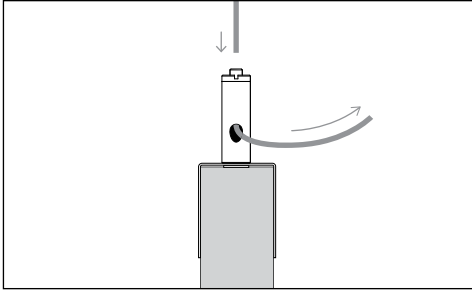
Twist a Coupling Nut onto the bolt at the bottom of each T-Bar Clip, followed by a J-Hook.

c. Suspending with Threaded Rod



Twist a Coupling Nut onto the bolt at the bottom of each T-Bar Clip, followed by a Threaded Rod.

3A. Suspending the Baffles with SlipNot Cable

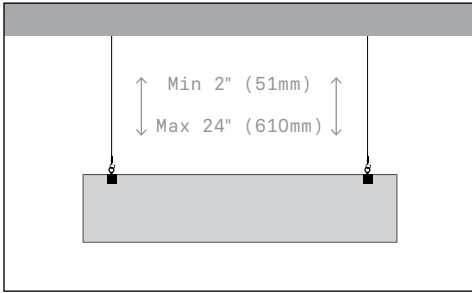


1. Attach the Baffle

Lift the Baffle until it is level with the hanging ends of the SlipNot Cables, parallel with the ceiling.

Depress the centre pin on the cable gripper, which will then allow you to insert the cable. Thread the cable through the centre pin and out through the side hole until panels are hanging at roughly the desired height.

Attach both SlipNot Cables before letting go of the panel.

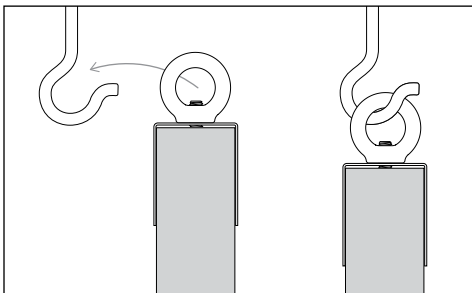


2. Adjust

With the Baffle suspended, you can fine-tune the SlipNot Cable lengths by pressing the centre pin of the Cable Grippers to release the cable. Level the panel and set the spacing between the ceiling and the baffle. For the best acoustic performance, maintain a minimum spacing of 2" (51mm).

Trim any protruding cable with wire clippers.

3B. Suspending the Baffles Directly from the Ceiling

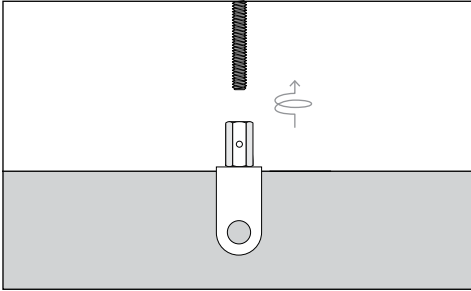


1. Attach the Baffle

Lift the Baffle until it is level with the J-Hooks, parallel with the ceiling. Hook the Eye Nuts on to the J-Hooks.

Attach both sides before letting go of the panel.

3C. Suspending the Baffles with Threaded Rod



1. Attach the Baffle

Lift the Baffle until it is level with the Threaded Rod, parallel with the ceiling.

Rotate the Coupling Nut to screw it onto the Threaded Rod. Attach both Coupling Nuts before letting go of the panel.

Limited Warranty

Please inspect products immediately after receiving your purchase. Primacoustic acoustic products are guaranteed to be free of manufacturing defects for a period of 3 years after purchase. In the unlikely event that a defect is uncovered, please call 604-942-1001 to obtain a RA number (Return Authorization number) from Primacoustic before the 3 year warranty period expires. Once you have obtained a RA number you must return the product, freight prepaid, within fifteen (15) days after the date the RA number is issued. Please return the product in the original packaging (or another, affording an equal degree of protection) with all of the following: (1) RA number clearly marked on the returned package; (2) a receipt or bill of sale showing proof of purchase from an authorized seller; plus (3) a letter describing the defect. Please include your name, address, telephone number and the applicable RA number. You are solely responsible for all shipping and insurance costs for returning the product to Primacoustic, and you will not be reimbursed or compensated for any loss or damage incurred during return shipping. Primacoustic will at its sole discretion repair or replace the product. Should the product no longer be available, Primacoustic reserves the right to exchange this with a product of similar performance and value. Due to different dye lots, Primacoustic cannot guarantee exact color match. This Warranty shall solely extend to the original owner and is limited to manufacturing defects and excludes damage due to improper installation, freight handling, wear and tear, abuse, misuse, misapplication, color fading or deterioration due to prolonged exposure to ultra violet light, smoke, humidity or other environmental factors. It is understood that the use and suitability of the product is entirely the responsibility of the buyer or specifying engineer and as such, these parties agree to hold Primacoustic, or its associated company, and/or officers, harmless from any responsibility whatsoever other than what is clearly outlined in this warranty.

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