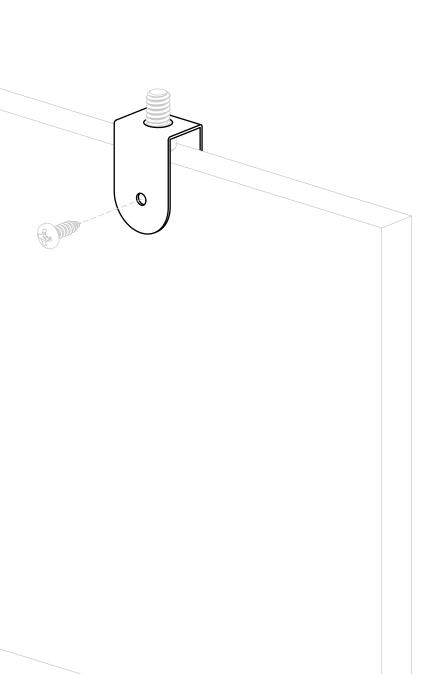
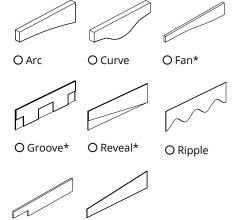
# Ceiling Baffles Installation Guide

Premier, WoodGrain Collections



# **C-clip Connection**

#### FOR THESE PRODUCTS:



#### FOR THESE MOUNTING METHODS:

O Wing\*

O Step

- O Cable to Deck
  O Cable to T-grid
  O Cable to Strut Channel
  O Cable
- O Swivel Cable
- O Threaded Rod to Strut Channel
  O Threaded rod
- O Twist Lock to T-grid
- O Magnet to T-grid



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### Introduction

Acoufelt's ceiling baffles offer both acoustic performance and aesthetic appeal, enhancing a wide variety of spaces. This guide provides step-by-step instructions for installing baffles using a c-clip system, ensuring a secure and seamless installation no matter the setting. Carefully follow these guidelines to achieve optimal results while maintaining the integrity of the design and structure.

#### **Important Notes**

When installing Acoufelt baffles, consult with other relevant trades to ensure that the hanging baffles will not interfere with the performance of any other systems within the installation space.

Verify that all Acoufelt baffles are installed in the correct orientation as indicated in the Acoufelt print and installation plan to maintain consistency and avoid variations that could impact the overall appearance of the finished installation.

Carefully evaluate structural conditions, project load, and load requirements to determine the appropriate anchoring solutions needed for a secure and stable installation.

#### Assembly notes and warnings:

Read and follow all instructions carefully before beginning the installation and retain these instructions for future reference. Failure to adhere to these guidelines may result in improper installation, which could compromise the safety, functionality, or aesthetic quality of the finished project. Ensure all components are properly assembled and secured according to the installation plan and follow workplace safety standards while using appropriate personal protective equipment during installation.

#### Disclaimer

Acoufelt strives to fulfill the needs of their customers by producing the highest quality felt products; however, due to the fine, fibrous, and textural nature of the product, slight visual imperfections may be seen when viewing the product from less than 3 to 5 feet. These slight visual imperfections are within a normal manufacturing industry tolerance and do not affect the product's performance or durability.

Consult local building codes and/or a fire engineer to determine the proper locations for any baffles in relation to any fire suppression system located with the installation space.

#### Installation Tolerances

Variation of baffle dimensions  $\pm$  [1/16" (1.6mm)] in 110" (2800mm), noncumulative

Variation of baffle thickness ± [10%] in 12mm thickness, noncumulative

### Setup and Unpacking

Product shall be stored in a dry interior location and shall remain in boxes prior to installation to avoid damage. The boxes shall be stored in crated orientation and not stacked with any added weight. Proper care should be taken when handling to avoid damage or soiling.

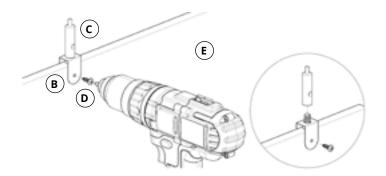
Product containers should only be opened in a clean area, free of construction dust. Wearing clean, cloth gloves, carefully remove the components from the packing materials. Verify all items listed on the packing list are included.

Inspect products after opening. If products appear to be damaged or defective on visual inspection, do not install and contact your Acoufelt representative immediately.

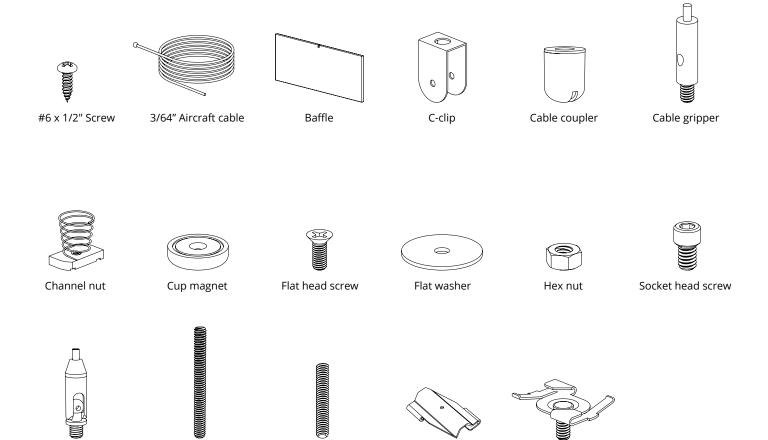
### Using the Instructions

Begin by locating your ceiling mounting method in the table of contents (on the previous page), then refer to its corresponding page in the document.

Each mounting method includes a list of required tools (provided by the installer) and parts. Each part will be labeled with a corresponding letter, which will serve as a guide through the mounting method steps and drawings (see example below).



# Hardware

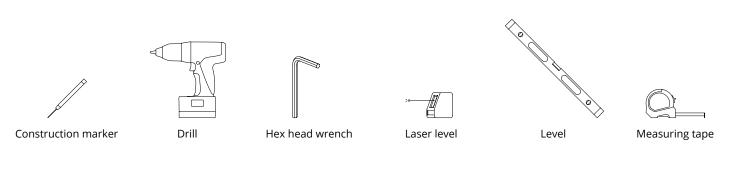


Twist lock

Twist lock with stud

### **Tools**

Swivel gripper



Threaded stud



Wire rope cutter

Threaded rod

# 1 Cable to Deck

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Socket head screw

C. Cable gripper

D.#6 x 1/2" Screw

E. Baffle

\*Quantities will vary

#### **TOOLS**

Drill

Hex head wrench











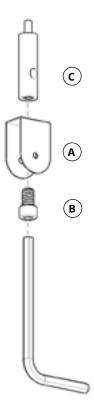






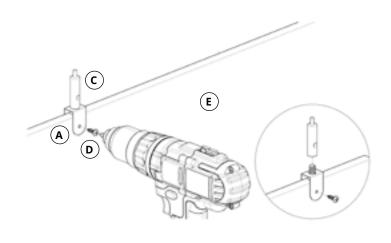
#### Step 1: Connect c-clips to cable grippers

Attach the c-clips to the cable grippers using the socket head screws provided and tighten with a hex wrench.



#### Step 2: Secure the c-clips to baffle

Align the c-clip and screws with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided  $\#6 \times 1/2$ " screws. Drill the screws until the c-clip is securely in place.



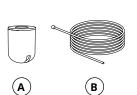
# Part II: Mounting your baffle

#### **PARTS LIST\***

A. Cable Coupler

B. 3/64" Aircraft cable

\*Quantities will vary



#### **TOOLS**

Measuring tape

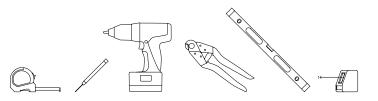
Construction marker

Drill

Wire rope cutter

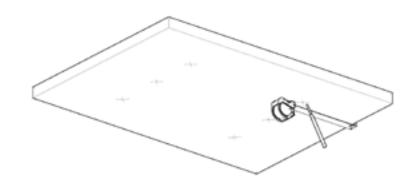
Level

Laser level



#### **Step 1: Mark connection points on deck**

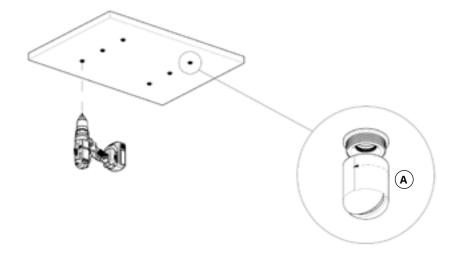
Use a measuring tape or laser level and a construction marker to measure and mark the desired deck connection location. If project-specific installation drawings have been provided, reference the connection layout to ensure proper placement/ mounting locations.



#### Step 2: Prepare the cable coupler

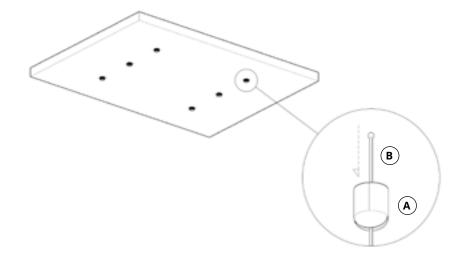
Remove the screw nut from the cable coupler. Keep the coupler barrel accessible. Next, drill a hole into the deck, and secure the screw nut with an appropriate anchor or screw.

NOTE: Consult a structural engineer to determine the appropriate anchors or screws for specified mounting surface/substrate.



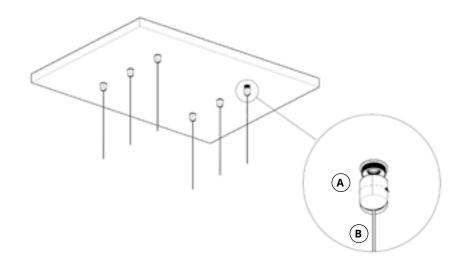
#### **Step 3: Securing aircraft cable**

Insert the aircraft cable into the bottom of the coupler barrel and ensure the aircraft cable feeds through fully so the ball stop rests securely inside the cable coupler.



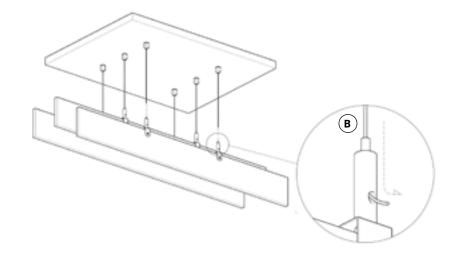
#### **Step 4: Thread coupler barrel**

Thread the coupler barrel back onto the screw nut, ensuring it is properly and securely attached.



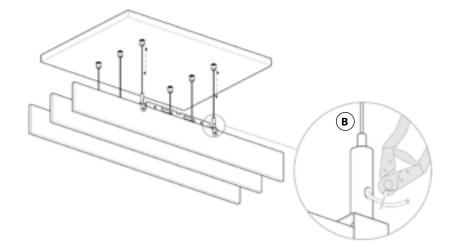
#### Step 5: Insert the aircraft cable into the cable gripper

Press down on the plunger located on top of the cable gripper and insert the aircraft cable. Ensure the aircraft cable is correctly inserted by verifying that its end exits through the hole on the side of the cable gripper. This step should occur after the aircraft cable has been connected to the ceiling.



### Step 6: Adjust aircraft cable length

Use the plunger on the cable gripper to adjust the length of the aircraft cable, setting the baffles to the desired height. Utilize a laser level or level to ensure all baffles are level and meet the specified design height. Once the baffles are properly positioned and level, trim the excess aircraft cable.



# <sup>2</sup> Cable to T-grid

Our cable to T-grid mounting method is only compatible with 15/16" flat T-grids.

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Socket head screw

C. Cable gripper

D.#6 x 1/2" Screw

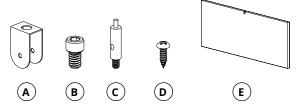
E. Baffle

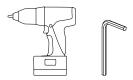
\*Quantities will vary

#### **TOOLS**

Drill

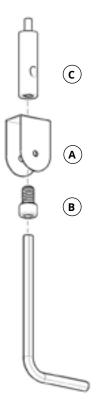
Hex head wrench





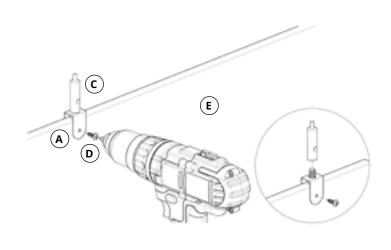
#### Step 1: Connect c-clips to cable grippers

Attach the c-clips to the cable grippers using the socket head screws provided and tighten with a hex wrench.



#### Step 2: Secure the c-clips to baffle

Align the c-clip and screws with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided  $\#6 \times 1/2$ " screws. Drill the screws firmly until the c-clip is securely in place.



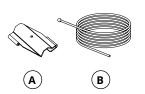
# Part II: Mounting your baffle

#### **PARTS LIST\***

A. Twist lock

B. 3/64" Aircraft cable

\*Quantities will vary



#### **TOOLS**

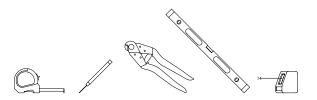
Measuring tape

Wire rope cutter

Level

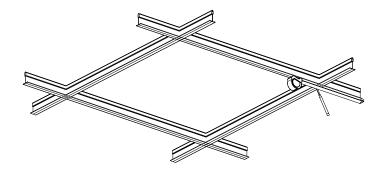
Laser level

Construction marker



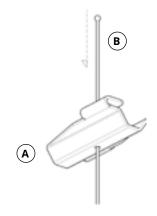
#### **Step 1: Mark connection points**

Use a measuring tape or laser level and a construction marker to measure and mark the desired T-grid connection location. If project-specific installation drawings have been provided, reference the connection layout to ensure proper placement/ mounting locations.



#### Step 2: Thread the aircraft cable

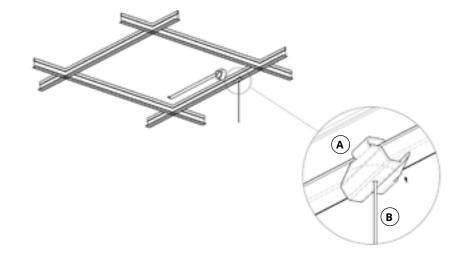
Thread the aircraft cable through the circular opening on the twist lock until the ball at the end of the aircraft cable catches and can't move any further. Ensure the orientation of the twist lock matches the image on the right.



### Mounting Method 2 Cable to T-grid Continued

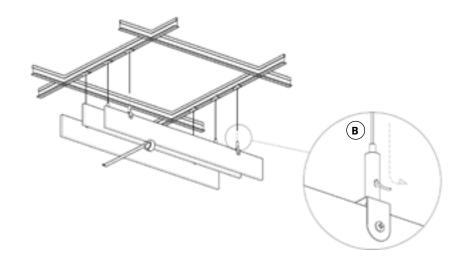
#### Step 3: Attach the twist lock clip

Measure attachment locations on the T-grid based on provided drawings. Attach the twist lock clip to the T-grid by turning it until it snaps in place. Verify the clip is fully secure on both sides of the T-grid.



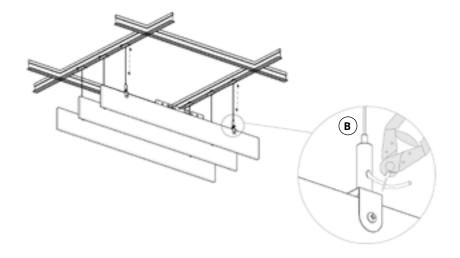
#### Step 4: Insert the aircraft cable into the cable gripper

After the aircraft cable has been connected to the ceiling, press down on the plunger located on top of the cable gripper and insert the aircraft cable. Ensure the aircraft cable is correctly inserted by verifying that its end exits through the hole on the side of the cable gripper.



#### Step 5: Adjust aircraft cable length

Use the plunger on the cable gripper to adjust the length of the aircraft cable, setting the baffles to the desired height. Utilize a laser level or level to ensure all baffles are level and meet the specified design height. Once the baffles are properly positioned and level, trim the excess aircraft cable.



# 3 Cable to Strut Channel

Our cable to T-grid mounting method is compatible with P1000 and P3300 Unistrut Profiles.

### Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Socket head screw

C. Cable gripper

D.#6 x 1/2" Screw

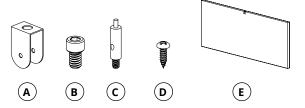
E. Baffle

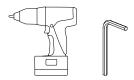
\*Quantities will vary

#### **TOOLS**

Drill

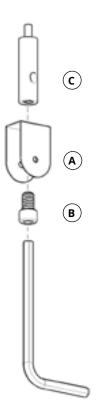
Hex head wrench





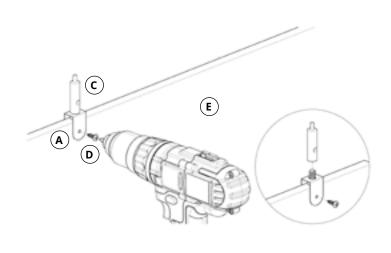
#### Step 1: Connect c-clips to cable grippers

Attach the c-clips to the cable grippers using the socket head screws provided and tighten with a hex wrench.



#### Step 2: Secure the c-clips to baffle

Align the c-clip and screws with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided  $\#6 \times 1/2$ " screws. Drill the screws firmly until the c-clip is securely in place.



#### Mounting Method 3 Cable to Strut Channel Continued

# Part II: Mounting your baffle

#### **PARTS LIST\***

A. Twist lock

\*Quantities will vary

B. Flat washer

C. Cable coupler

D. 3/64" Aircraft cable

**TOOLS** 

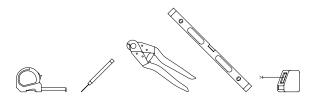
Measuring tape

Construction marker

Wire rope cutter

Level

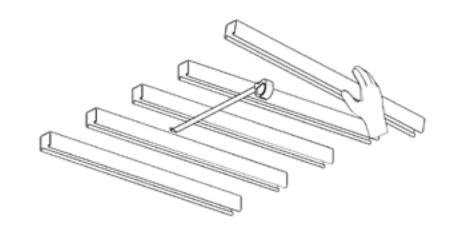
Laser level



#### **Step 1: Strut channel layout** and installation

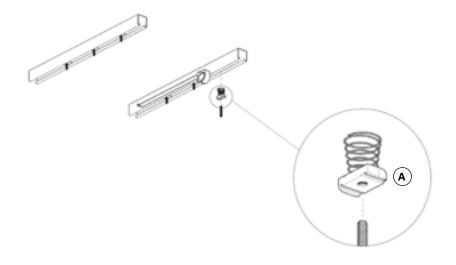
(B)

Layout the strut channels according to the installation drawing provided by Acoufelt or based on the desired spacing. If an installation drawing is available, start at the designated point in the drawing. Use a measuring tape to ensure accurate spacing between strut channels. Follow the strut channel manufacturer's recommendations and instructions for proper installation.



#### Step 2: Hardware layout and installation

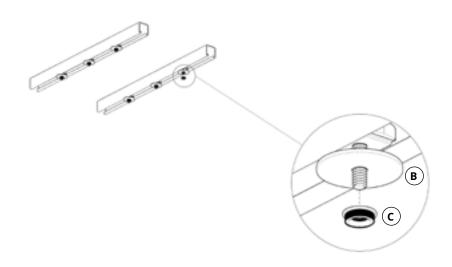
Measure from the center of the specified starting point and mark the hardware connection locations on the strut channel. Insert the threaded stud into channel nuts and then insert the channel nut into the strut channel at the marked locations. Make sure the grooves in the channel nut sit on top of the rails of the strut channel.



### Mounting Method 3 Cable to Strut Channel Continued

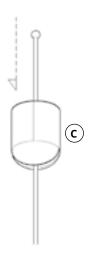
#### Step 3: Attach washer and screw nut

Remove the screw nut from the cable coupler and keep it accessible. Place the flat washer onto threaded stud and fasten the washer tightly with the screw nut. Confirm the washer and screw nut are securely in place on the threaded stud.



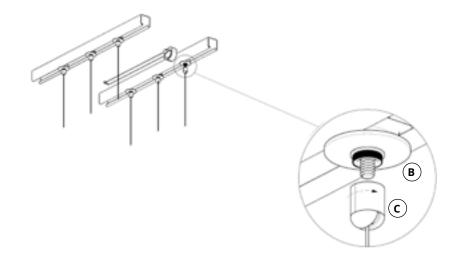
#### **Step 4: Thread the aircraft cable**

Thread the aircraft cable through the opening on the coupler barrel until the ball at the end of the aircraft cable catches and can't move any further.



#### Step 5: Attach coupler barrel to strut channel

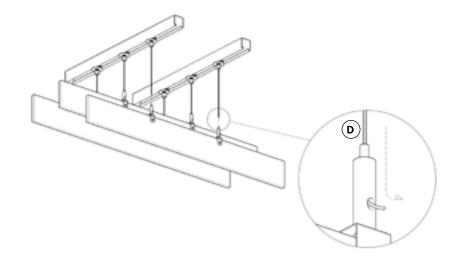
Twist the coupler barrel clockwise onto the threaded stud until it is securely attached to the strut channel.



### Mounting Method 3 Cable to Strut Channel Continued

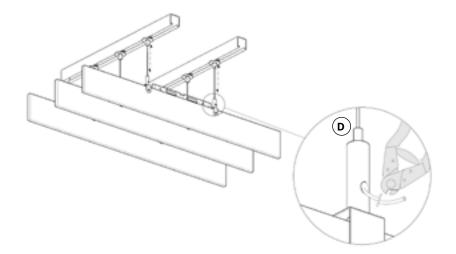
#### Step 6: Insert the aircraft cable into the cable gripper

Press down on the plunger located on top of the cable gripper and insert the aircraft cable. Ensure the aircraft cable is correctly inserted by verifying that its end exits through the hole on the side of the cable gripper. This step should occur after the aircraft cable has been connected to the ceiling.



#### Step 7: Adjust aircraft cable length

Use the plunger on the cable gripper to adjust the length of the aircraft cable, setting the baffles to the desired height. Use a laser level or level to ensure all baffles are level and meet the specified design height. Once the baffles are properly positioned and level, trim the excess aircraft cable.



# 4 Cable Only

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Socket head screw

C. Cable gripper

D.#6 x 1/2" Screw

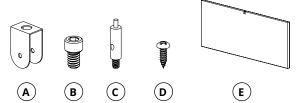
E. Baffle

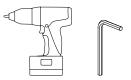
\*Quantities will vary

#### **TOOLS**

Drill

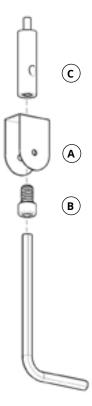
Hex head wrench





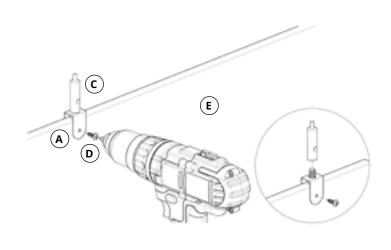
#### Step 1: Connect c-clips to cable grippers

Attach the c-clips to the cable grippers using the socket head screws provided and tighten with a hex wrench.



#### Step 2: Secure the c-clips to baffle

Align the c-clip and screws with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided  $\#6 \times 1/2$ " screws. Drill the screws firmly until the c-clip is securely in place.



# Part II: Mounting your baffle

#### **PARTS LIST\***

A. 3/64" Aircraft cable

\*Quantities will vary

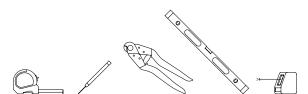


#### TOOLS (by others)

Measuring tape

Construction marker

Wire rope cutter

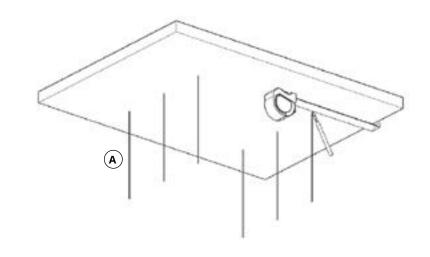


Level

Laser level

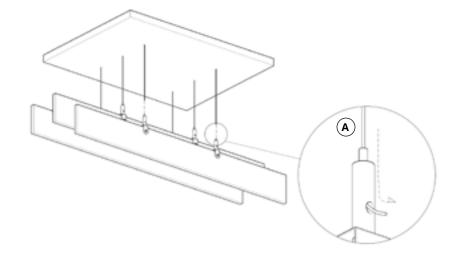
#### Step 1: Mark connection points and attach to ceiling

Use a measuring tape or laser level and a construction marker to measure and mark the desired ceiling connection location. If layout drawings are provided, reference them to ensure proper placement. Attach aircraft cables to your preferred ceiling mounting hardware (not provided by Acoufelt).



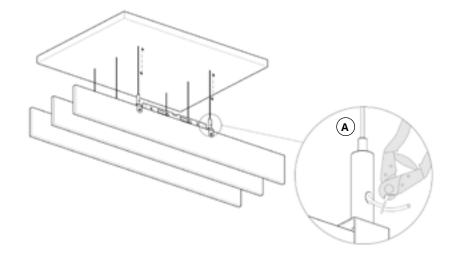
### Step 2: Insert the aircraft cable into the cable gripper

After the aircraft cable has been connected to the ceiling, press down on the plunger located on top of the cable gripper and insert the aircraft cable. Ensure the aircraft cable is correctly inserted by verifying that its end exits through the hole on the side of the cable gripper.



#### Step 3: Adjust aircraft cable length

Use the plunger on the cable gripper to adjust the length of the aircraft cable, setting the baffles to the desired height. Utilize a laser level or level to ensure all baffles are level and meet the specified design height. Once the baffles are properly positioned and level, trim the excess aircraft cable.



# 5 Swivel Cable to Deck

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Hex nut

C. Swivel gripper

D.#6 x 1/2" Screw

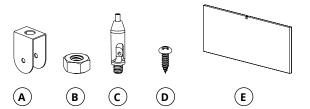
E. Baffle

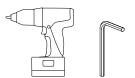
\*Quantities will vary

#### **TOOLS**

Drill

Hex head wrench



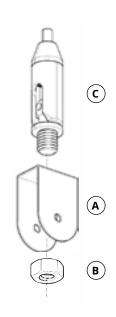


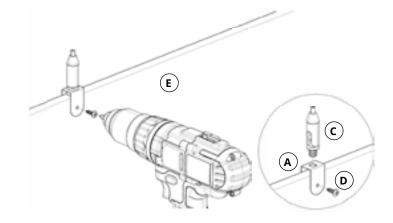
#### **Step 1: Connect c-clips to swivel grippers**

Attach the c-clips to the swivel grippers using the hex nuts provided and tighten with a hex wrench.

#### Step 2: Secure the c-clips to baffle

Align the c-clip and screws with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided #6 x 1/2" screws. Drill the screws firmly until the c-clip is securely in place.





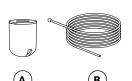
# Part II: Mounting your baffle

#### **PARTS LIST\***

A. Cable coupler

B. 3/64" Aircraft cable

\*Quantities will vary



#### TOOLS (by others)

Measuring tape

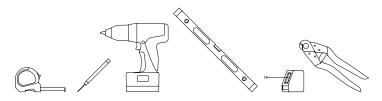
Construction marker

Drill

Level

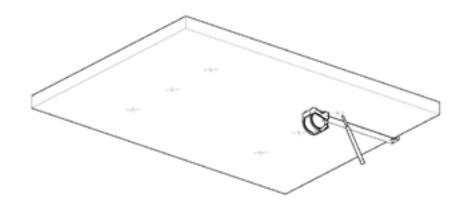
Laser level

Wire rope cutter



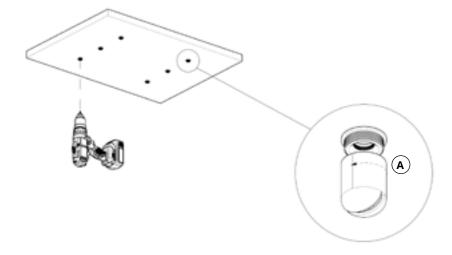
#### **Step 1: Mark connection points**

Use a measuring tape or laser level and a construction marker to measure and mark the desired deck connection location. If project-specific installation drawings have been provided, reference the connection layout to ensure proper placement/ mounting locations.



#### Step 2: Prepare the cable coupler

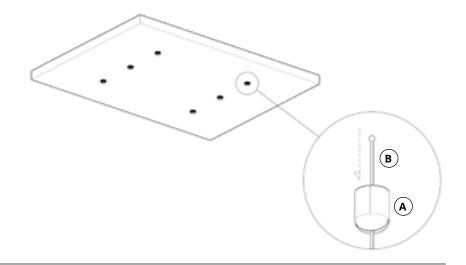
Remove the screw nut from the cable coupler. Keep the coupler barrel accessible. Next, drill a hole into the deck, and secure the screw nut with an appropriate anchor or screw. NOTE: Consult a structural engineer to determine the correct anchors or screws needed.



### Mounting Method 5 Swivel Cable to Deck Continued

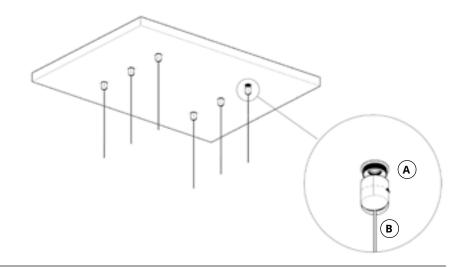
#### **Step 3: Securing aircraft cable**

Insert the aircraft cable into the bottom of the coupler barrel and ensure the aircraft cable feeds through fully so the ball stop rests securely inside the coupler barrel.



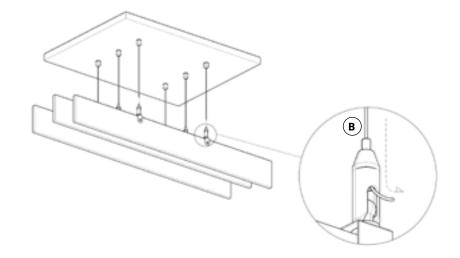
#### **Step 4: Attach the coupler barrel**

Attach the coupler barrel onto the screw nut by twisting clockwise. Ensure it is properly anchored to the deck.



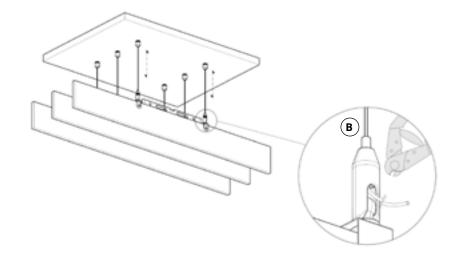
#### Step 5: Insert aircraft cable into swivel gripper

After the aircraft cable has been connected to the ceiling, press down on the plunger located on top of the swivel gripper and insert the aircraft cable. Ensure the aircraft cable is correctly inserted by verifying that its end exits through the hole on the side of the cable gripper.



### Step 6: Adjust aircraft cable length

Use the plunger on the swivel gripper to adjust the length of the aircraft cable, setting the baffles to the desired height. Utilize a laser level or level to ensure all baffles are level and meet the specified design height. Once the baffles are properly positioned and level, trim the excess aircraft cable.



# 6 Threaded Rod Only

#### **PARTS LIST\***

A. C-clip

B. Hex nut

C. Threaded rod

D.#6 x 1/2" Screw

E. Baffle

\*Quantities will vary

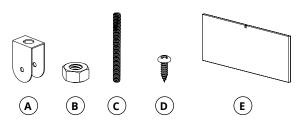
#### **TOOLS**

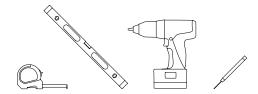
Measuring tape

Laser level

Construction marker

Drill





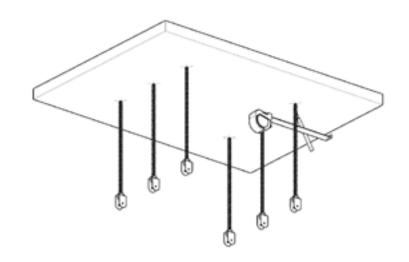
#### Step 1: Connect threaded rod to c-clip

Screw a hex nut onto the threaded rod, followed by the c-clip. Secure the assembly by adding a second hex nut beneath the clip, ensuring the threaded rod is firmly held in place and does not shift.



# Step 2: Mark connection points and attach threaded rod to ceiling

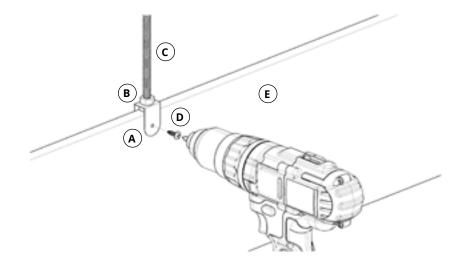
Use a measuring tape or laser level and a construction marker to measure and mark the desired ceiling connection location. If layout drawings are provided, reference them to ensure proper placement. Attach threaded rod to your preferred ceiling mounting hardware (not provided by Acoufelt).



# Mounting Method 6 Threaded Rod Only Continued

### Step 3: Attach c-clip to baffle

Align the c-clips to the pre-drilled holes in the baffle. Secure with a drill using the #6x1/2" screws.



# 7 Threaded Rod to Strut Channel

#### **PARTS LIST\***

A. C-clip

B. Hex nut

C. Threaded rod

D. Channel nut

E. Flat washer

F. Hex nut

G. #6 x 1/2" Screw

H. Baffle

\*Quantities will vary

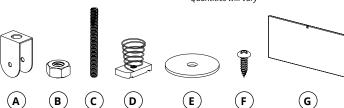
#### **TOOLS**

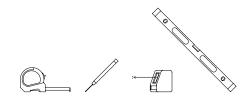
Measuring tape

Construction marker

Laser level

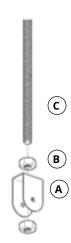
Level





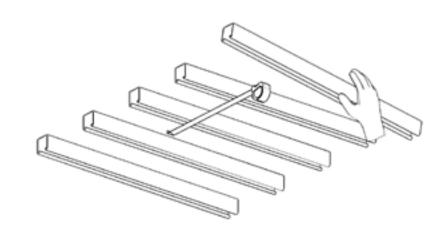
#### Step 1: Connect threaded rod to c-clip

Screw a hex nut onto the threaded rod, followed by the c-clip. Secure the assembly by adding a second hex nut beneath the clip, ensuring the threaded rod is firmly held in place and does not shift.



# Step 2: Strut channel layout and installation

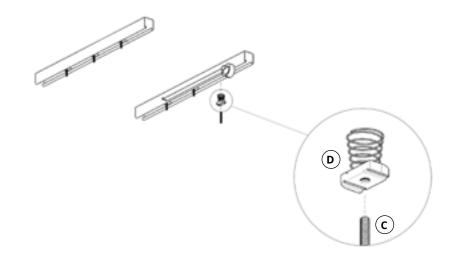
Layout the strut channels according to the installation drawing provided by Acoufelt or based on the desired spacing and starting point. Use a measuring tape to ensure precise spacing between channels. Refer to the strut channel manufacturer's guidelines for proper installation.



#### Mounting Method 7 Threaded Rod to Strut Channel Continued

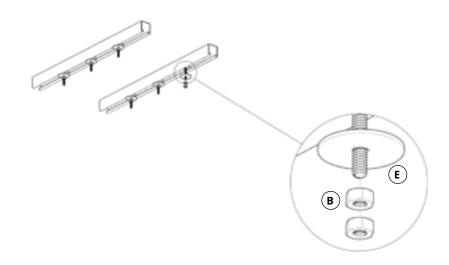
#### Step 3: Hardware layout and installation

Measure from the center of the specified starting point and mark the hardware connection locations on the strut channel. Insert the threaded rods into channel nuts and then insert the channel nut into the strut channel at the marked locations. Make sure the grooves in the channel nut sit on top of the rails of the strut channel.



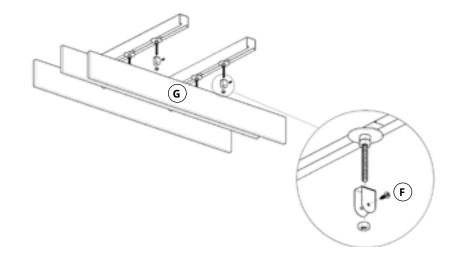
#### Step 4: Attach washer and hex nuts

Place the flat washer onto threaded rod and fasten the washer tightly with the hex nuts. Confirm the washer and hex nuts are securely in place on the threaded rod.



#### **Step 5: Connect baffle to strut channel**

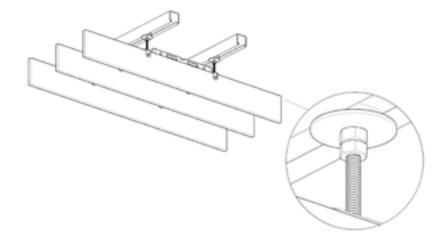
Attach the baffle to the strut channel by screwing the threaded rod into the c-clip. Hold the baffle steady while twisting because the threaded rod will exit the channel nut as it tightens into the c-clip.



### Mounting Method 7 Threaded Rod to Strut Channel Continued

### **Step 6: Verify baffle position**

Ensure all the threaded rods are securely attached to both the c-clip and channel nut. Use a laser level or level to ensure all baffles are level, are equally spaced, meet the specific design height, and are centered from the starting point.



# Twist Lock to T-grid

Our cable to T-grid mounting method is only compatible with 15/16" flat T-grids.

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Hex nut

C. Twist lock with stud

D.#6 x 1/2" Screw

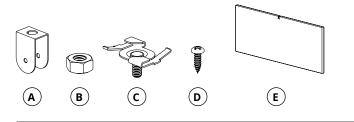
E. Baffle

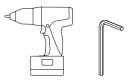
\*Quantities will vary

#### **TOOLS**

Drill

Hex head wrench



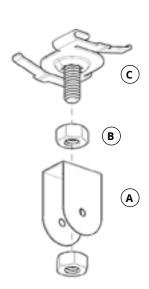


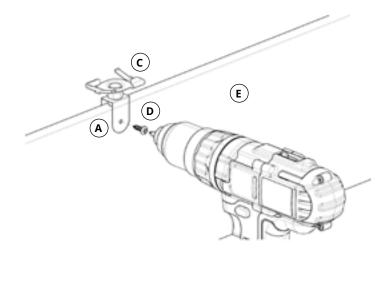
#### Step 1: Attach twist lock to c-clip

Screw hex nut onto the threaded twist lock follow by the clip. Leave enough space to fasten c-clip with a second hex nut. This will secure the c-clip onto the threaded twist lock so it does not move.

#### Step 2: Attach c-clip to baffle

Install c-clip and threaded twist lock to baffle by aligning to the predrilled holes at the top of the baffle. Secure the assembly by using a drill and a #6x12" screw.





# Part II: Mounting your baffle

#### **NO ADDITIONAL PARTS NEEDED**

#### TOOLS (by others)

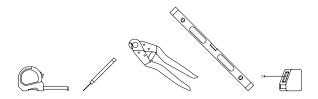
Measuring tape

Level

Construction marker

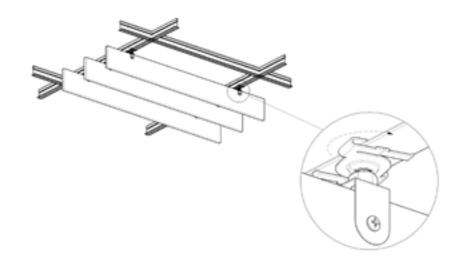
Laser level

Wire rope cutter



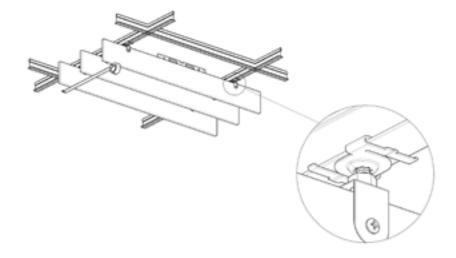
#### Step 1: Attach twist lock to T-grid

Hook the clip of the twist lock onto the T-grid and rotate the twist lock until it snaps in place. Verify it is fully secure on both sides of the T-grid.



#### **Step 2: Verify baffle position**

Ensure all the twist locks are securely attached to the T-grid. Use a laser level or level to ensure all baffles are level, are equally spaced, meet the specific design height, and are centered from the starting point.



# Magnet to T-grid

# Part I. Attach the c-clip

#### **PARTS LIST\***

A. C-clip

B. Hex head nut

 $(\mathsf{B})$ 

C. Cup magnet

D. Flat head screw

E. #6 x 1/2" Screw

F. Baffle

\*Quantities will vary

 $(\mathbf{E})$ 

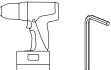
#### **TOOLS**

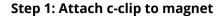
Drill

Hex head wrench



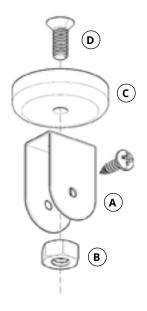
**(F)** 





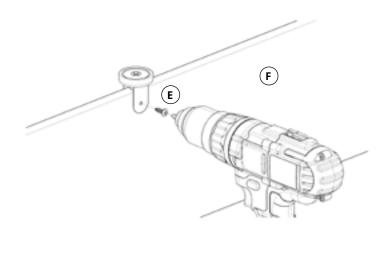
Secure the C-clip to the magnet by inserting a flat-head screw through the top and fastening it with a hex nut at the bottom.

 $(\mathtt{D})$ 



#### Step 2: Secure c-clip to baffle

Align the c-clip with the pre-drilled holes on the baffle, ensuring proper placement. Attach the c-clips to the baffle using the provided  $\#6 \times 1/2$ " screws. Drill the screws until the c-clip is securely in place.



# Part II: Mounting your baffle

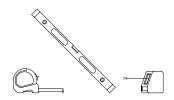
#### **NO ADDITIONAL PARTS NEEDED**

#### TOOLS (by others)

Measuring tape

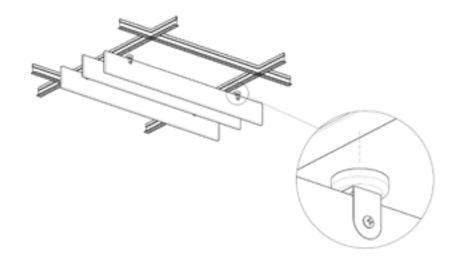
Laser level

Level



#### Step 1: Connect magnets to T-grid

Secure the magnets to the T-grid, ensuring they are properly aligned. Once all magnets are attached to the baffle, the magnetic connection will allow the baffle to easily snap into place on the T-grid, holding it securely.



#### Step 2: Verify baffle position

Ensure all the magnets are securely attached to the T-grid. Use a laser level or level to ensure all baffles are level, meet the specified design height, and are centered from the starting point.

