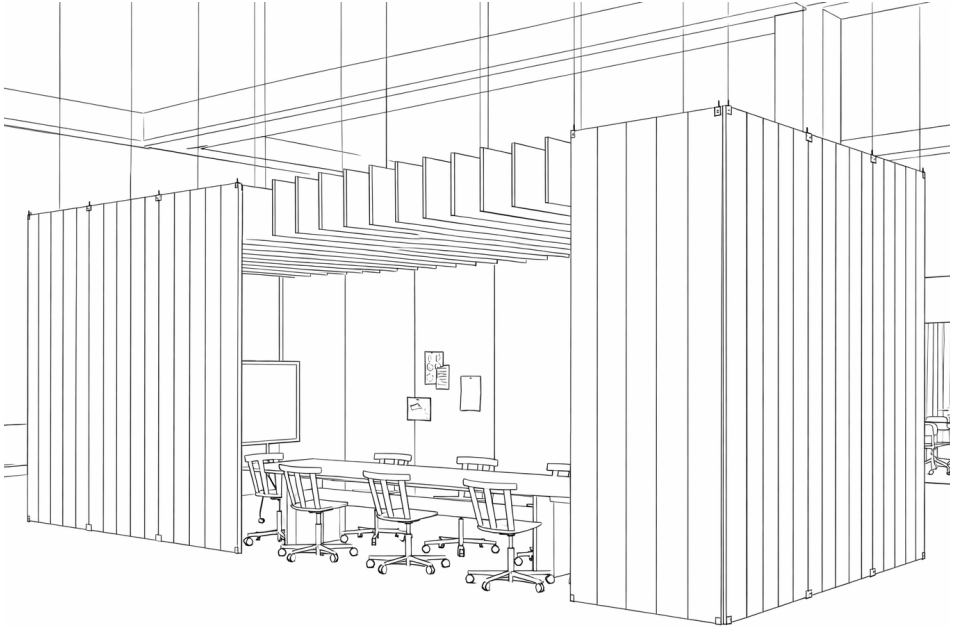


BAUX

Acoustic X-FELT Floating Installation Manual



2. About the material

2. Handling

3. Preparations

4. X-FELT Floating Panels

8. X-FELT Floating Baffles

14. X-FELT Floating Grids

19. Maximum Loads

These instructions serve as a guide. The responsibility for recognising and compensating for field conditions is with the installer. Installer should follow best practices for construction and workmanship. BAUX bears no responsibility for installation or contractor selection.

About the material

X-FELT is a unique, next-generation board made from ultra-fine, high-quality polyester fibres sourced from GRS-certified PET. Using advanced industrial techniques, these fibres are combined to create a smooth, compact, and lightweight structure that is highly sound absorptive and inherently fire-safe due to the elimination of oxygen and fuel components. The fibre structure is then precisely cut into panels and tiles for walls and ceilings, providing a long-lasting solution for your acoustic design needs.

Handling

Be sure to inspect materials carefully upon delivery and note any damages or quality rejections to BAUX immediately. Claims will not be accepted after the panels have been installed.



Carry boxes and panels upright to avoid bending of panels.



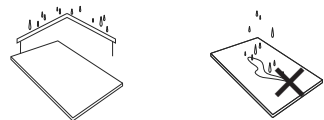
Do not carry Baffles flat, as this may cause bending or cracking.



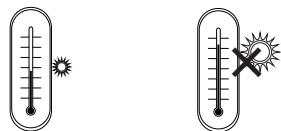
Store boards and panels flat to avoid bending.



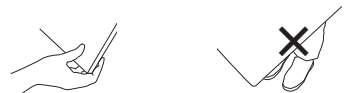
Keep dry and avoid humid areas.



Store in a cool dry place. Avoid 65°C/150°F or grater.



Be careful with the edges.



Preparations

Ensure you have the appropriate tools and materials to complete the installation.



Power Drill



Laser



Folding ruler



Wire Cutter



Ladder



Sharp blade



Straight edge

Adaptating the panels

You can easily adapt the BAUX Acoustic X-FELT Floating Panels, Baffles and Grids.

Use a Sharp Blade

Ensure the blade is sharp for clean, precise cuts.

Support with a Straight Edge

For best results, secure a straight edge to guide the cut.

Make the Cut

Hold the blade at a 90° angle to the Panel or tile for square edges and smooth joints.

Cut Gradually

Apply light pressure and make several passes rather than cutting through in one go.

Maintain Blade Sharpness

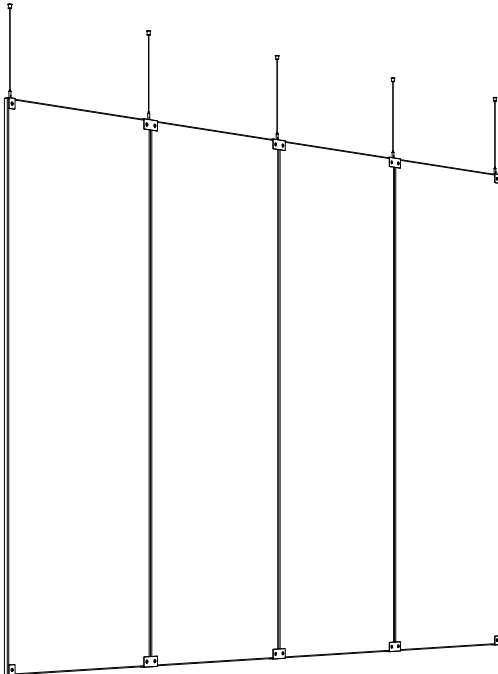
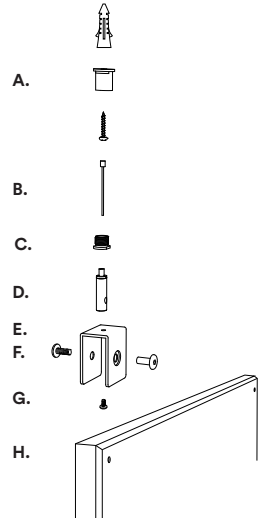
Regularly replace the blade to ensure consistent, accurate cuts.

X-FELT FLOATING PANELS

X-FELT Floating Panels

Installation Overview (for details, see next pages)

1. Install Threaded Ceiling Sockets (A)
For maximum loads, see final section of this document.
2. Attach the Wires (B) and the Caps (C)
3. Assemble the Grippers (D) to the Brackets (E)
4. Feed the Wires (B) to the Gripper (D) and adjust the height
5. Mount the Panels (H) to the Brackets (E) and adjust to final height
6. Install Bottom Brackets (E)
7. Trim Excess Wires



X-FELT Floating Panels

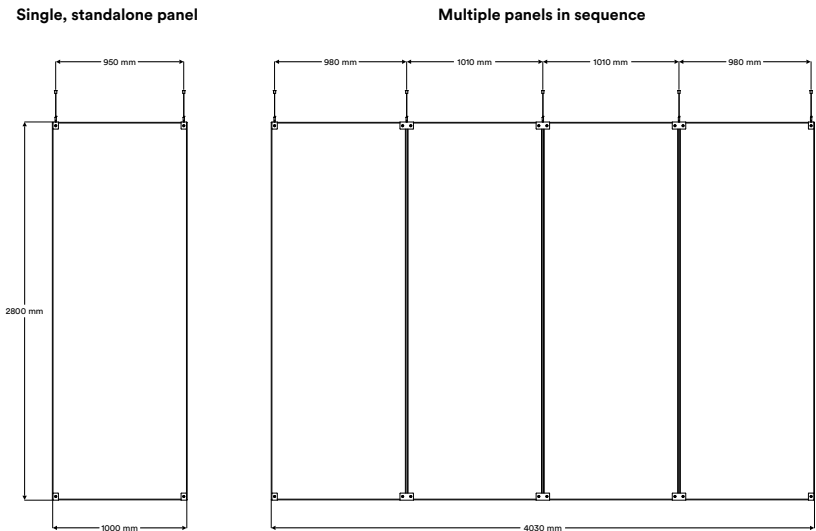
Detailed Installation Instructions

1. Install Threaded Ceiling Sockets (A):

Secure the threaded Ceiling Sockets (A) to the ceiling. Ensure the spacing between each Socket matches your intended panel layout, see examples below.

The Wire Kit includes a universal screw and plug set, however - it is the installer's responsibility to assess local site conditions and select an appropriate method for achieving a safe, secure ceiling installation.

For maximum loads, see final section of this document.



Please note that the screw-hole spacing varies depending on the installation type. Panels installed as **single, standalone units** require a spacing of **950 mm**. For installations with **multiple panels in sequence**, the **start and end panels** require a spacing of **980 mm**, while each **mid-connecting panel** requires a spacing of **1010 mm**. Each connecting panel creates a **10 mm gap** between panels.

2. Attach the Wires (B) and the Caps (C):

Guide the Wires (B) through the Caps (C) and fasten the Caps securely to the Ceiling Sockets (A). Each Wire Kit includes three metres of Wire.

X-FELT Floating Panels

Detailed Installation Instructions

3. Assemble the Grippers (D) to the Brackets (E):

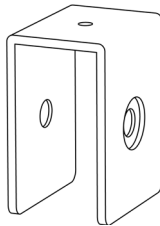
Attach the Grippers (D) to the Brackets (E) using the Attachment Screws (F).

Note that two Bracket types are available depending on the installation layout: a Small Bracket and a Large Bracket.

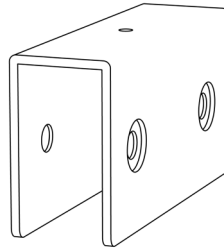
For single, standalone panels, only **Small Brackets** are required.

For installations with multiple panels in sequence, the system must **begin and end with a Small Bracket**. Every connection point between panels requires a **Large Bracket**.

Small Bracket



Large Bracket



4. Feed the Wires (B) to the Gripper (D) and adjust the height:

Feed the Wires (B) through the Grippers (D).

Adjust the Brackets to a suitable height for the installation of the Panels.

5. Mount the Panels (H) to the Brackets (E):

Fix the Panels (H) to the Brackets (E) using the Binding Screws (G).

Adjust the Panels to the desired final height.

6. Install Bottom Brackets:

Install the Bottom Brackets using the Binding Screws (G) to ensure proper alignment and a secure connection across all Panels.

7. Trim Excess Wires:

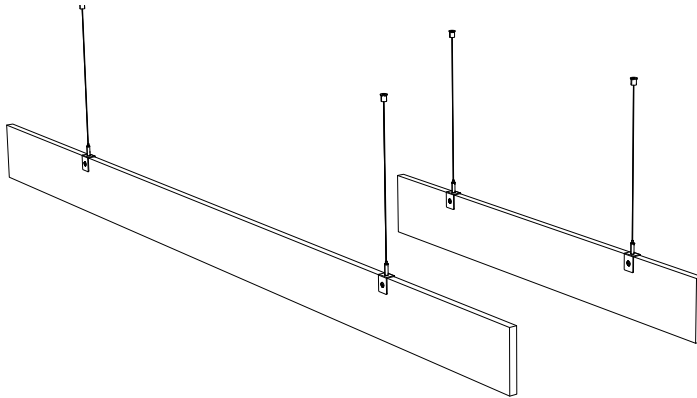
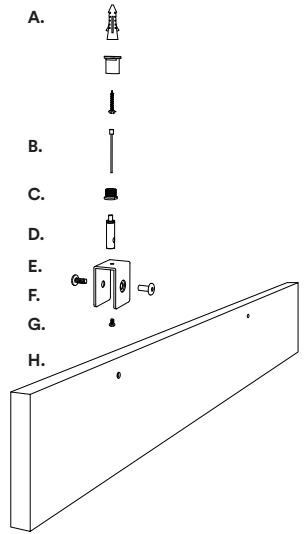
Once the Panels are correctly positioned, trim the excess Wires to the desired length.

X-FELT FLOATING BAFFLES

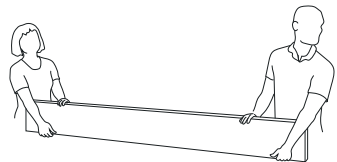
X-FELT Floating Baffles - Wire Install

Installation Overview (for details, see next pages)

1. Install Threaded Ceiling Sockets (A)
For maximum loads, see final section of this document
2. Attach the Wires (B) and the Caps (C)
3. Assemble the Grippers (D) to the Brackets (E)
4. Feed the Wires (B) to the Gripper (D) and adjust the height
5. Mount the Baffles (H) to the Brackets (E) and adjust to final height
6. Trim Excess Wires



IMPORTANT: Handle the baffles in an upright and supported position: **do not carry them flat**, as this may cause bending or cracking.



X-FELT Floating Baffles - Wire Install

Detailed Installation Instructions

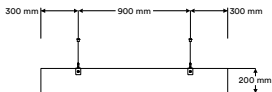
1. Install Threaded Ceiling Sockets (A):

Secure the threaded Ceiling Sockets (A) to the ceiling. Ensure the spacing between each Socket matches your intended baffle, see guidance below.

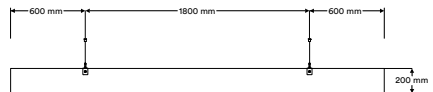
The Wire Kit includes a universal screw and plug set, however - it is the installer's responsibility to assess local site conditions and select an appropriate method for achieving a safe, secure ceiling installation.

For maximum loads, see final section of this document

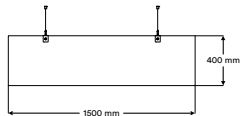
Floating Baffle h20 w150



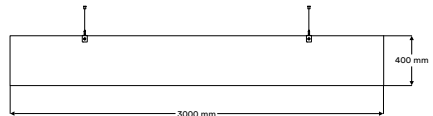
Floating Baffle h20 w300



Floating Baffle h40 w150



Floating Baffle h40 w300



2. Attach the Wires (B) and the Caps (C):

Guide the Wires (B) through the Caps (C) and fasten the Caps securely to the Ceiling Sockets (A). Each Wire Kit includes three metres of Wire.

3. Assemble the Grippers (D) to the Brackets (E):

Attach the Grippers (D) to the Brackets (E) using the Attachment Screws (F).

4. Feed the Wires (B) to the Gripper (D) and adjust the height:

Feed the Wires (B) through the Grippers (D)
Adjust the Brackets to a suitable height for the installation of the Baffles.

5. Mount the Baffles (H) to the Brackets (E) and adjust to final height:

Fix the Baffles (H) to the Brackets (E) using the Binding Screws (G).
Adjust the Baffles to the desired final height.

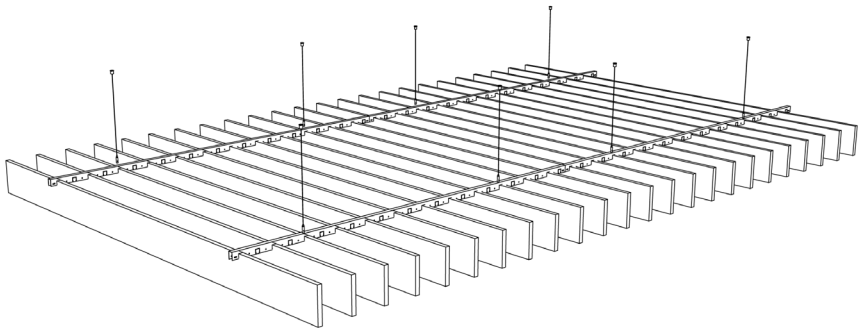
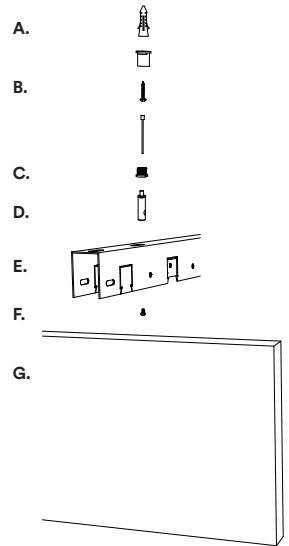
6. Trim Excess Wires:

Once the Baffles are correctly positioned, trim the excess Wires to the desired length.

X-FELT Floating Baffles - Profile Install

Installation Overview (for details, see next pages)

1. Install Threaded Ceiling Sockets (A)
For maximum loads, see final section of this document
2. Attach the Wires (B) and the Caps (C)
3. Assemble the Grippers (D) to the Metal Profiles (E)
4. Feed the Wires (B) to the Gripper (D) and adjust the height
5. Prepare the Metal Profile (E) and mount the Baffles (G)
6. Adjust to final height and trim Excess Wires



NOTE:

The metal profile may also be **fixed directly to the ceiling**, without using the wire suspension system or grippers. Before installation, ensure that the **ceiling surface is level**. Position the metal profiles so they are **accurately aligned and installed in a straight line**.

The metal profile is **pre-drilled with $\varnothing 7$ mm fixing holes**, located near the beginning and end of the profile, as well as at **600 mm intervals along its length**. Use appropriate fixings for the ceiling type and ensure all fixings are securely tightened to provide a stable installation.

X-FELT Floating Baffles - Profile Install

Detailed Installation Instructions

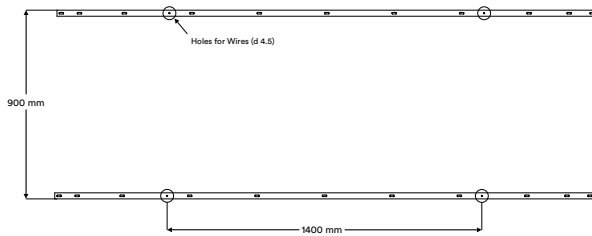
1. Install Threaded Ceiling Sockets (A):

Secure the threaded Ceiling Sockets (A) to the ceiling. Ensure the spacing between each Socket matches your intended baffle, see guidance below.

The Wire Kit includes a universal screw and plug set, however - it is the installer's responsibility to assess local site conditions and select an appropriate method for achieving a safe, secure ceiling installation.

For maximum loads, see final section of this document

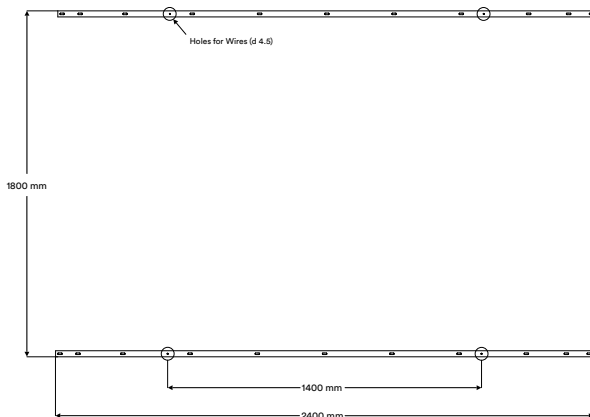
Metal Profile Positioning - Baffle 1500 mm



Provide four ceiling fixing points that form a rectangle, measuring 900 mm x 1400 mm (centre-to-centre).

The Metal profile is 2400 mm and the holes for wires are located 500 mm from the edge.

Metal Profile Positioning - Baffle 3000 mm



Provide four ceiling fixing points that form a rectangle, measuring 1800 mm x 1400 mm (centre-to-centre).

The Metal profile is 2400 mm and the holes for wires are located 500 mm from the edge.

X-FELT Floating Baffles - Profile Install

Detailed Installation Instructions

2. Attach the Wires (B) and the Caps (C): Guide the Wires (B) through the Caps (C) and fasten the Caps securely to the Ceiling Sockets (A). Each Wire Kit includes three metres of Wire.

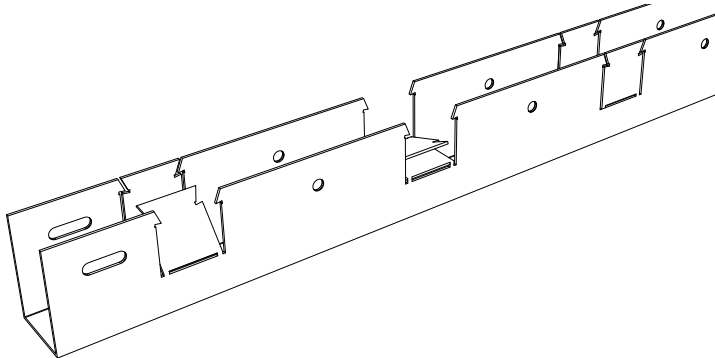
3. Assemble the Grippers (D) to the Metal Profiles (E): Attach two Grippers (D) to each Metal Profile (E) using the Attachment Screws (F). Please note the two pre-drilled holes positioned **500 mm** from the edge of the Metal Profile.

4. Feed the Wires (B) to the Gripper (D) and adjust the height: Feed the Wires (B) through the Grippers (D). Adjust the Brackets to a suitable height for the installation of the Baffles.

5. Prepare the Metal Profile (E) and mount the Baffles (G): Each Profile has insertion slots for baffles at **100 mm** intervals. Determine the desired baffle distance, then prepare for panel insertion by gently bending the insertion tab inwards. Be aware of **sharp edges** to avoid cutting or injuring yourself.

Fix the Baffles (G) to the Metal Profile (E) by pressing them into the selected slots. Ensure each baffle is aligned vertically.

To readjust or remove a baffle, press firmly to slightly compress the baffle and carefully slide it out of the Metal Profile to avoid damage.



6. Adjust to final height and trim excess Wires: Adjust the Baffles to the desired final height. Once the Baffles are correctly positioned, trim the excess Wires to the desired length.

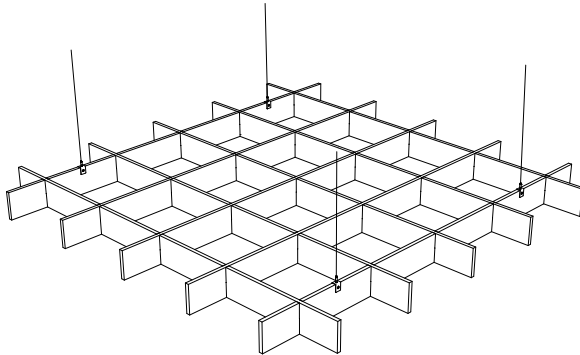
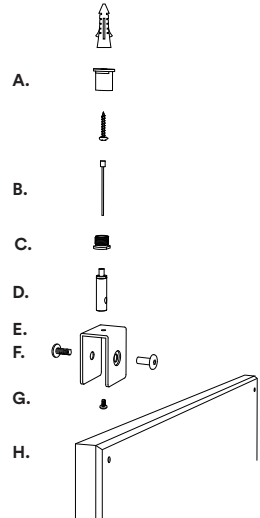
X-FELT FLOATING GRIDS

X-FELT Floating Grids

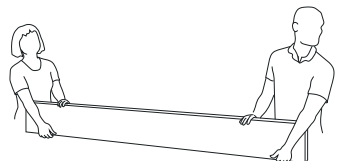
Installation Overview (for details, see next pages)

1. Install four Threaded Ceiling Sockets (A)
For maximum loads, see final section of this document.
2. Attach the Wires (B) and the Caps (C)
3. Assemble the Grippers (D) to the Brackets (E)
4. Feed the Wires (B) to the Gripper (D) and adjust the height
5. Mount Baffle #1 and #2 (featuring two bracket-mounting holes)
6. Mount Baffle #3 to #7 (three upward- and two downward- facing slots)
7. Mount Baffle #8 to #10 (five downward-facing slots)
8. Adjust to final height
9. Trim excess Wire

NOTE: If the ceiling height is less than 2.8 metres, the complete grid structure may be assembled on the floor. Once fully assembled, attach the wires and then adjust the installation to its final height. Ensure the floor surface is clean to avoid damaging the panels.



IMPORTANT: Handle the baffles in an upright and supported position: **do not carry them flat**, as this may cause bending or cracking.



X-FELT Floating Grids

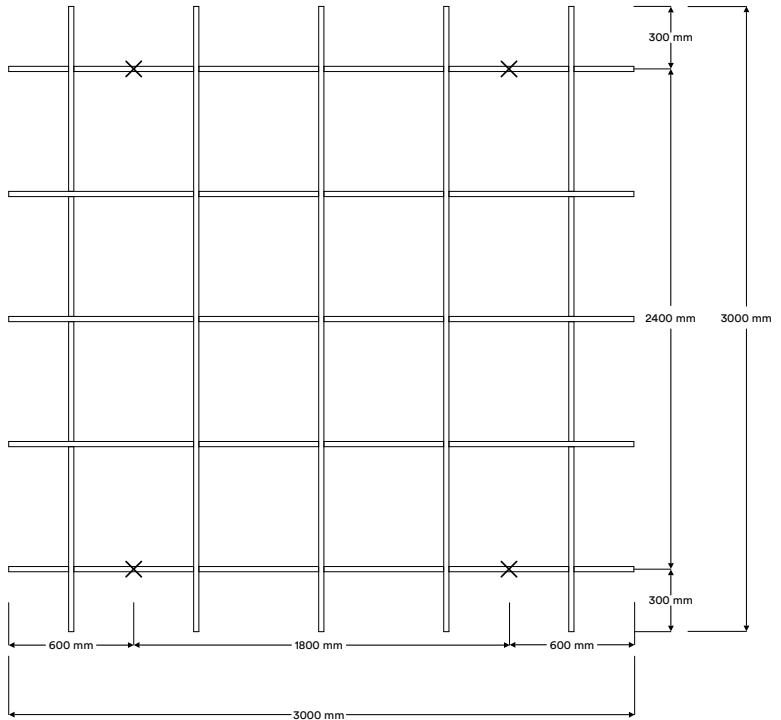
Detailed Installation Instructions

1. Install Threaded Ceiling Sockets (A):

Secure the threaded Ceiling Sockets (A) to the ceiling. Ensure the spacing between each Socket matches your intended baffle, see guidance below.

The Wire Kit includes a universal screw and plug set, however - it is the installer's responsibility to assess local site conditions and select an appropriate method for achieving a safe, secure ceiling installation.

For maximum loads, see final section of this document.



2. Attach the Wires (B) and the Caps (C):

Guide the Wires (B) through the Caps (C) and fasten the Caps securely to the Ceiling Sockets (A). Each Wire Kit includes three metres of Wire.

3. Assemble the Grippers (D) to the Brackets (E):

Attach the Grippers (D) to the Brackets (E) using the Attachment Screws (F).

X-FELT Floating Grids

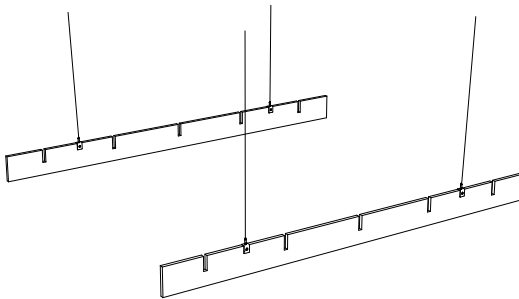
Detailed Installation Instructions

4. Feed the Wires (B) to the Gripper (D) and adjust the height: Feed the Wires (B) through the Grippers (D) Adjust the Brackets to a suitable height for the installation of the Baffles.

5. Mount Baffle #1 and #2: Identify Baffle #1 and Baffle #2, each featuring two bracket-mounting holes and five upward-facing slots. Handle the baffles in an upright and supported position; do not carry them flat, as this may cause bending or cracking.

Attach each baffle to its corresponding pair of Brackets (E) using the Binding Screws (G), ensuring a secure and stable connection.

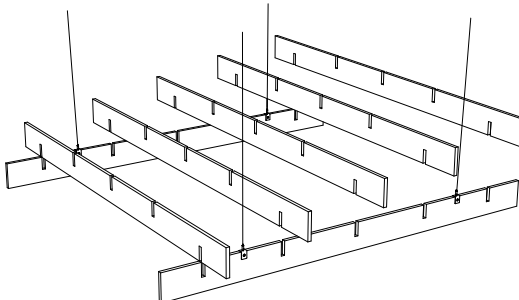
NOTE: If the ceiling height is less than 2.8 metres, the complete grid structure may be assembled on the floor. Once fully assembled, attach the wires and then adjust the installation to its final height. Please ensure the floor surface is clean to avoid damaging the panels.



6. Mount Baffle #3 to #7: Identify Baffle #3 to Baffle #7, each featuring three upward-facing slots and two downward facing slots. Handle the baffles in an upright and supported position to avoid bending or cracking.

Handle the baffles in an upright and supported position to avoid bending or cracking.

Slide Baffle #3 to #7 into their assigned slots. Ensure that all baffles are aligned vertically and fit securely in position.



X-FELT Floating Grids

Detailed Installation Instructions

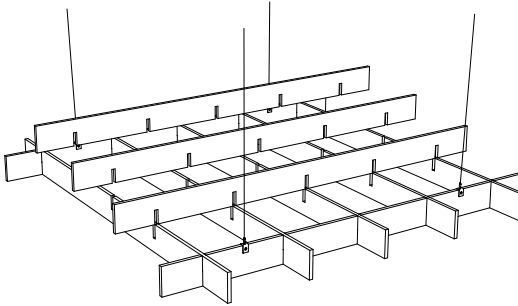
7. Mount Baffle #8 to #10:

Identify Baffle #8, #9 and #10, each featuring five downward-facing slots and no bracket mounting holes.

Handle the baffles in an upright and supported position to avoid bending or cracking.

Slide Baffle #8 to #10 into their assigned slots.

Ensure that all baffles are aligned vertically and fit securely in position.

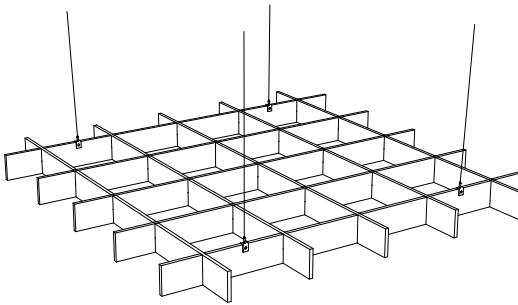


8. Adjust the height:

Adjust the grid to the desired final height by gradually fine-tuning the wire length on all four grippers, making small, even adjustments to keep the system level.

9. Trim excess Wire:

Once the grid is fully aligned and set to the correct height, trim the excess Wire to the desired length.



MAXIMUM LOADS

Maximum Loads

Ensure that all fixings are suitable for the specific ceiling construction and installation method.

The loads stated below apply to the various installation configurations shown. The stated maximum loads refer **only to the self-weight of the product** and do not include any additional imposed loads.

Local regulations and project-specific requirements must always be considered.

Installation		kg per fixing point	lbs per fixing point
Floating Panels		5.0	12.0
Floating Grid	Floating Grid h20	4.0	9.0
	Floating Grid h40	8.0	18.0
Floating Baffles Wire Install	Floating Baffles h20 w150	0.5	2.0
	Floating Baffles h40 w150	1.0	3.0
	Floating Baffles h20 w300	1.0	3.0
	Floating Baffles h40 w300	2.0	5.0
Floating Baffles Profile Install c/c 100mm	Floating Baffles h20 w150	5.0	12.0
	Floating Baffles h40 w150	8.0	18.0
	Floating Baffles h20 w300	8.0	18.0
	Floating Baffles h40 w300	16.0	36.0
Floating Baffles Profile Install c/c 200mm	Floating Baffles h20 w150	3.0	7.0
	Floating Baffles h40 w150	5.0	12.0
	Floating Baffles h20 w300	5.0	12.0
	Floating Baffles h40 w300	8.0	18.0
Floating Baffles Profile Install c/c 300mm	Floating Baffles h20 w150	2.0	5.0
	Floating Baffles h40 w150	4.0	9.0
	Floating Baffles h20 w300	4.0	9.0
	Floating Baffles h40 w300	6.0	14.0

Need help?

For very specific installations or scenarios that aren't covered in this installation manual, visit [baux.com](https://www.baux.com) or contact us at info@baux.com

BAUX
LET'S BUILD!