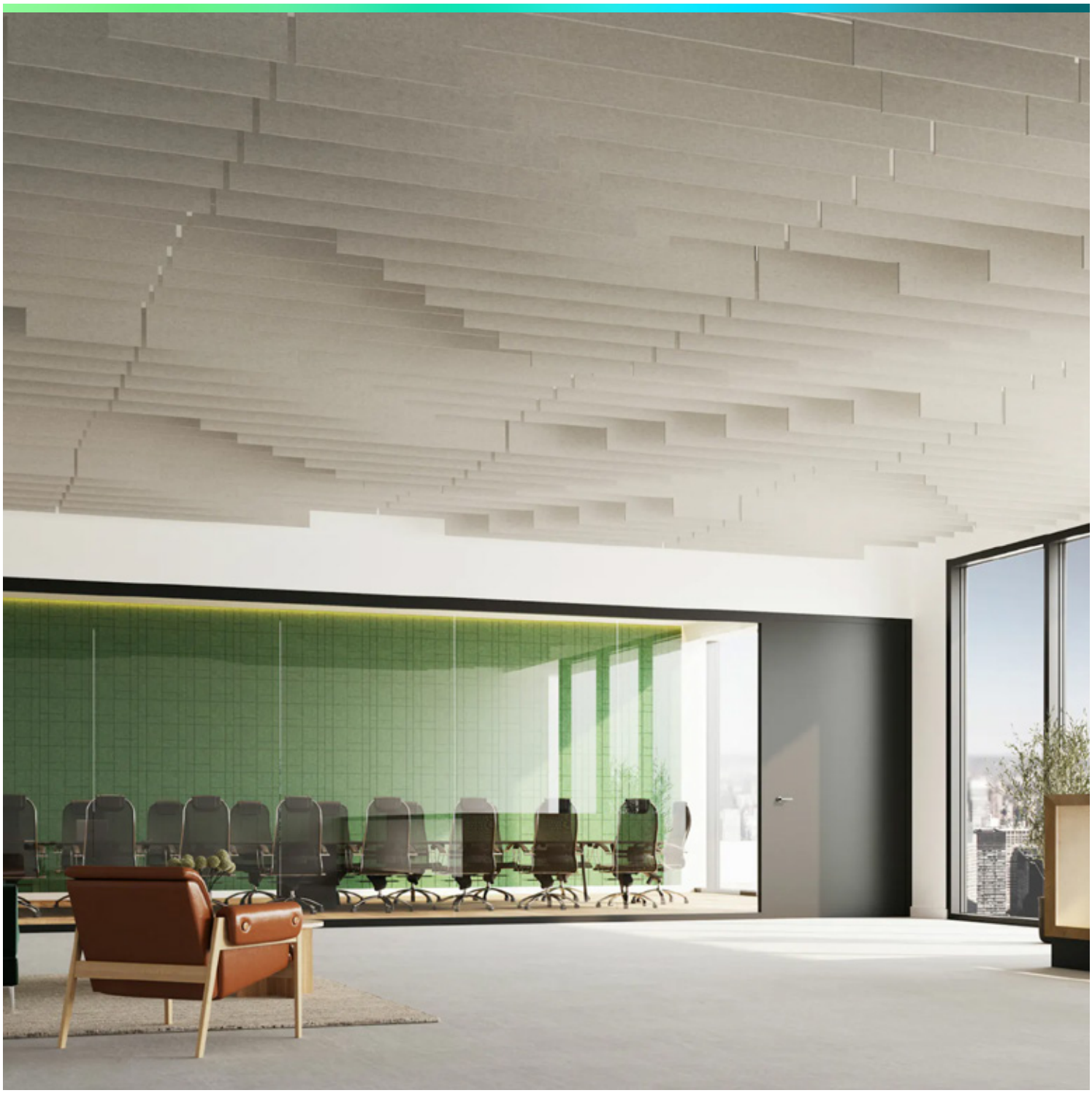
acoufelt



Step
Ceiling Baffles

Premier Collection

A stair-step approach to providing movement, Step Ceiling Baffles provide plenty of areas to capture unwanted sound. The series of six baffles installed in various sequences provide interesting textural effects.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Weight	2400gsm 2800gsm
Standard Sizes	*Height ranges from end-to-end (2:1)* Height A: 102mm up to 610mm H (51mm increments) Height B: 51mm up to 305mm H (25mm increments) Lengths: Range from 305mm up to 2794mm L *See page 4 for more details. Custom sizes available*



Step Ceiling Baffles in Ivory

Technical

NRC Rating	**12mm*** 1.30 **24mm*** 1.15
Fire Test	Test Results Pending
Water Sorption	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
Colorfastness	ISO 105-B02, 6-7

** Test results available upon request*

Details

Lead Time	Refer to Product Lead Time Matrix
Origin	Australia
Warranty	Product: 20 years* Colorfastness: 20 years*

** Conditions apply*

Environmental

Recycled Content	Minimum 60%
Energy	Generated using 40% solar energy
Indoor Air Quality	VOC less than/equal to 0.5mg/m3
Recyclable	100%*
Certifications	Health Product Declaration (HPD)** Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

** PET is recyclable through participating partners*

*** HPD only applies to 12mm thickness*

® The Health Product Declaration® logo is a registered trademark of HPD Collaborative.

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Colorways

White
WH12


Milkyway
MI74


Ivory
IV11

Pearl
PE21


Valentine
VA70


Quartz
QU67


Stonewash
ST72


Sea Salt
SE57


Platinum
PL04


Almond
AL55


Pistachio
PI25


Turmeric
TU60


Flamingo
FL61


Amethyst
AM69


Periwinkle
PE23


Peacock
PE20


Metal
ME03


Mushroom
MU75


Celery
CE65


Wheat
WH68


Peach
PE19


Lilac
LI13


Marine
MA15


Sencha
SE58


Grey
GR02


Umber
UM54


Wasabi
WA29


Popcorn
PO26


Currant
CU59


Berry
BE06


Azure
AZ05


Oregano
OR18


Charcoal
CH01


Walnut
WA56


Eucalyptus
EU71


Carrot
CA08


Loganberry
LO77


Granite
GR62


Denim
DE09


Kale
KA12

Piano Black
PI24

Slate
SL27

Nori
NO76

Peppercorn
PE22

Shiraz
SH63

Flint
FL64

Midnight
MI16

For questions or additional product information,
visit **acoufelt.com.au or call 1800 626 462**

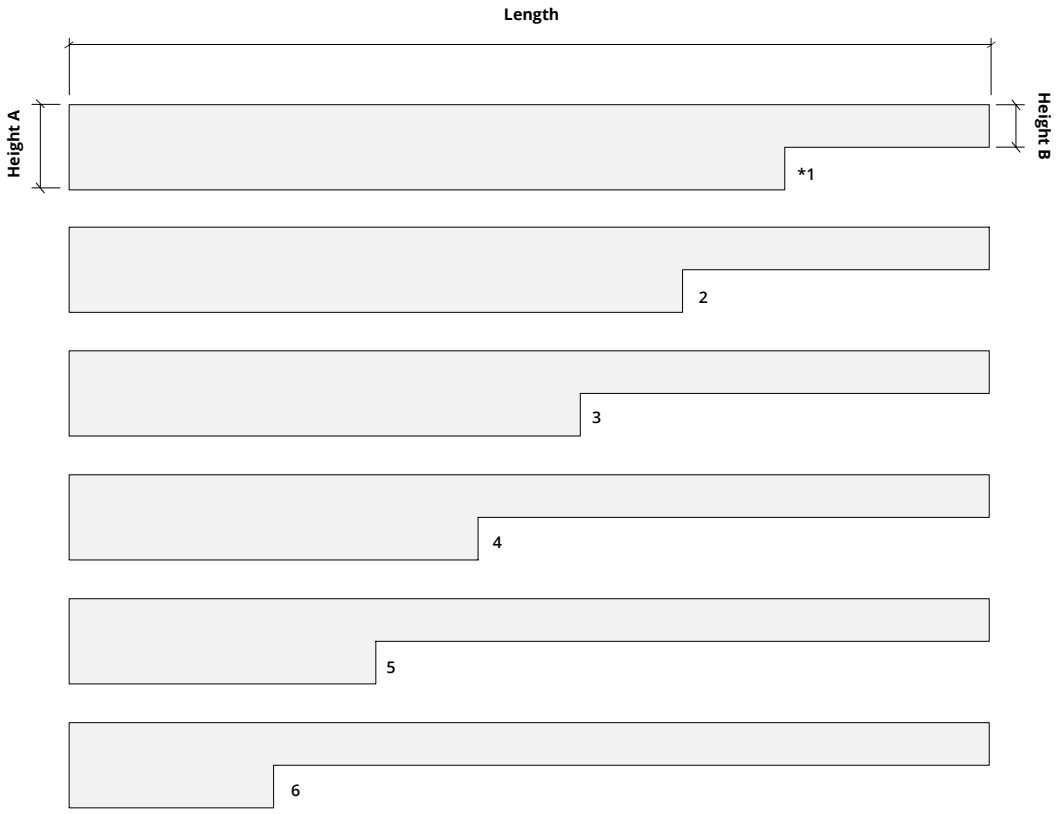
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Sizes

Standard Heights *Height ranges from end-to-end (2:1)*
Height A: 102mm up to 610mm H (51mm increments)
Height B: 51mmup to 305mm H (25mm increments)
Custom sizes available

Standard Lengths 305, 457, 610, 762, 914, 1067, 1219, 1372, 1524, 1676, 1829, 1981, 2134, 2286, 2438, 2591, 2743, 2794mm L
Custom sizes available

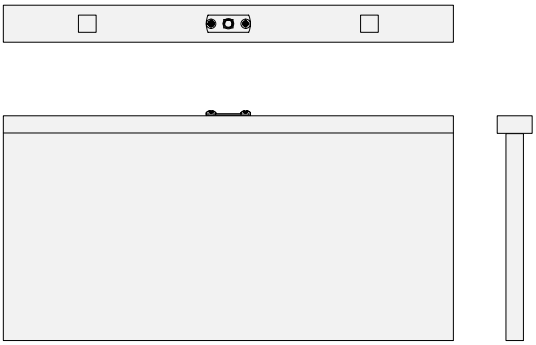
Height A	Height B
102mm	51mm
152mm	76mm
203mm	102mm
254mm	127mm
305mm	152mm
356mm	178mm
406mm	203mm
457mm	229mm
508mm	254mm
559mm	279mm
610mm	305mm



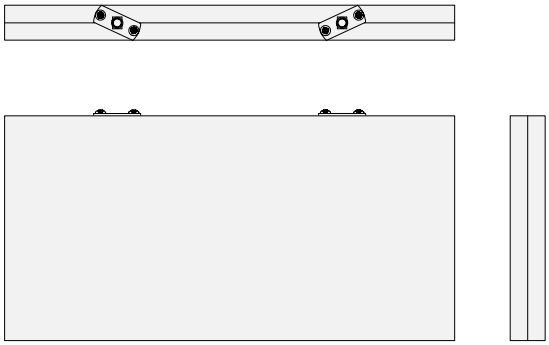
Height range from Point A to Point B is 2:1

**Refer to page 6 for baffle plan and sequences.*

12mm Baffle with Stiffener and Nut Plate



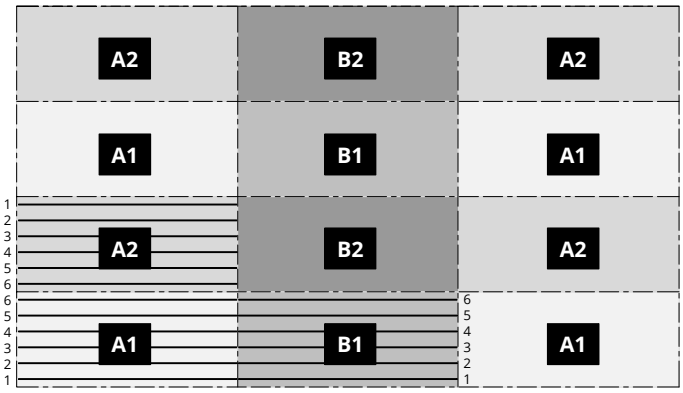
24mm Baffle with Nut Plate



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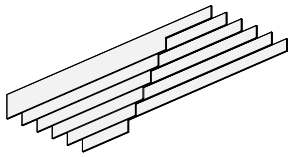
Recommended Layouts

Typical layout

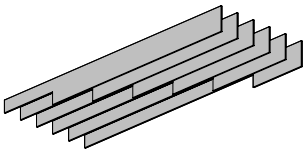


Module layouts

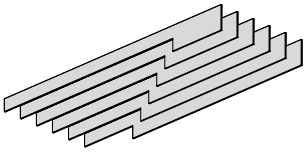
A1



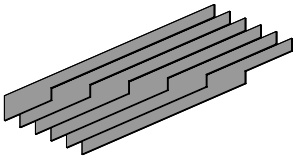
B1
Reflected direction of A1



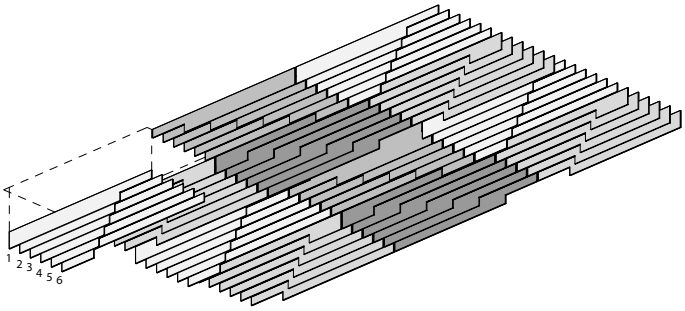
A2
Reverse order of A1



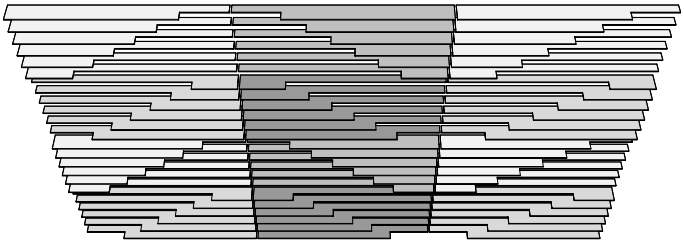
B2
Reverse order of B1



Perspective



Front perspective



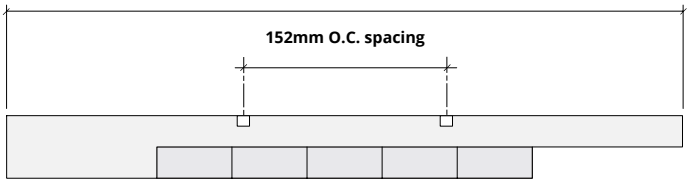
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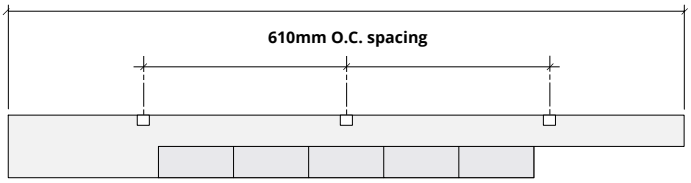
Hardware Spacing

305, 457mm L	152mm on center spacing
610, 762mm L	305mm on center spacing
914 - 1372mm L	610mm on center spacing
1524 - 2286mm L	610mm on center spacing
2438 - 2794mm L	762mm on center spacing

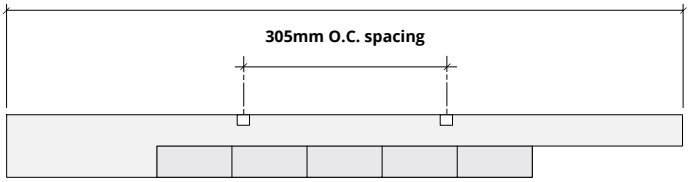
305, 457mm L



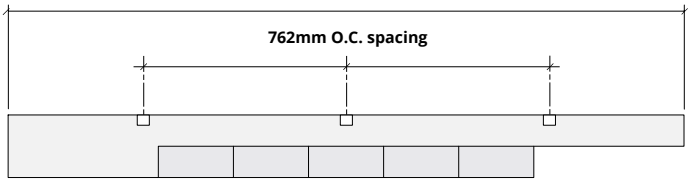
1524 - 2286mm L



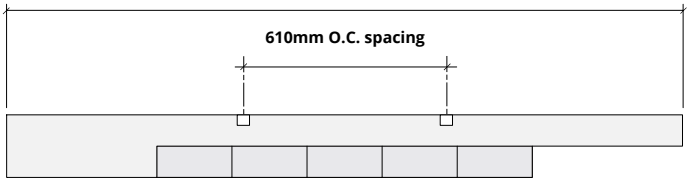
610, 762mm L



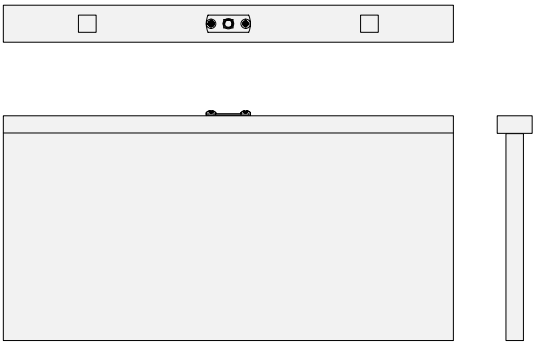
2438 - 2794mm L



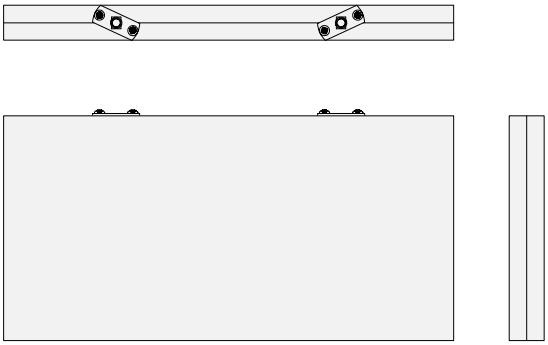
914 - 1372mm L



12mm Baffle with Stiffener and Nut Plate



24mm Baffle with Nut Plate



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How to Specify

1. Choose Module Size | **2. Choose Module Quantity** | **3. Choose Mounting Method**

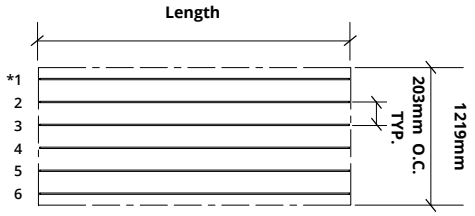
Determine preferred material thickness, length and height.

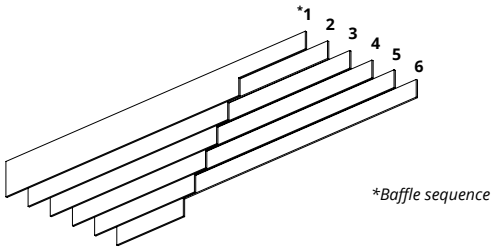
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1. Choose Module Size | **2. Choose Module Quantity** | **3. Choose Mounting Method**

Each module includes 6 baffles installed 203mm on center.

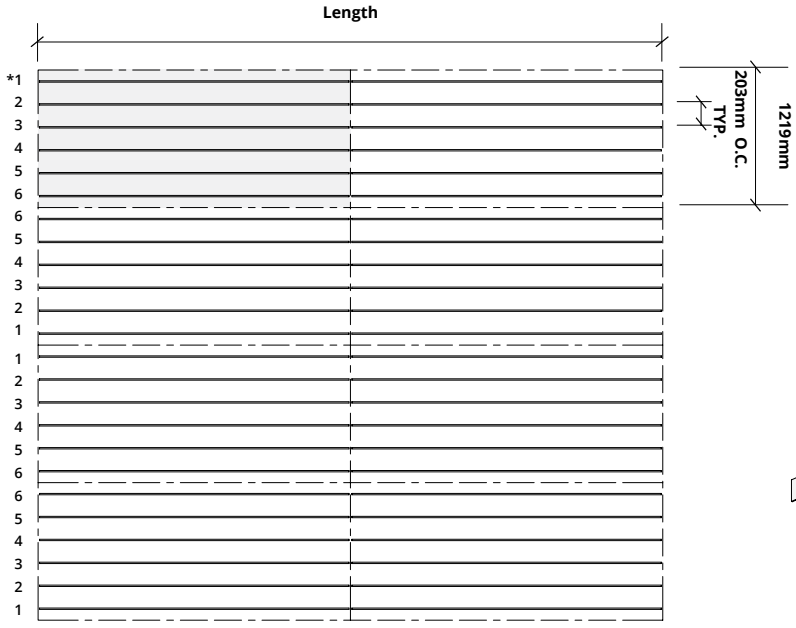
Single module

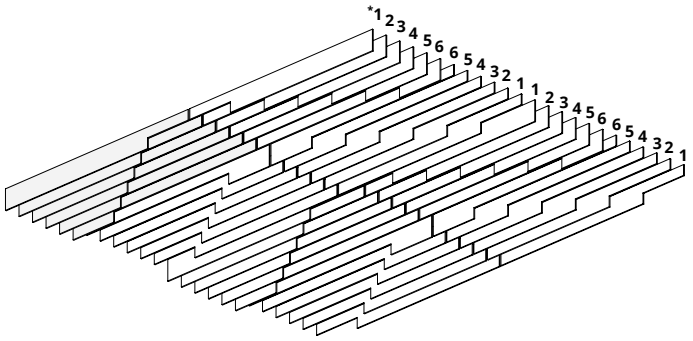




**Baffle sequence*

Multiple modules





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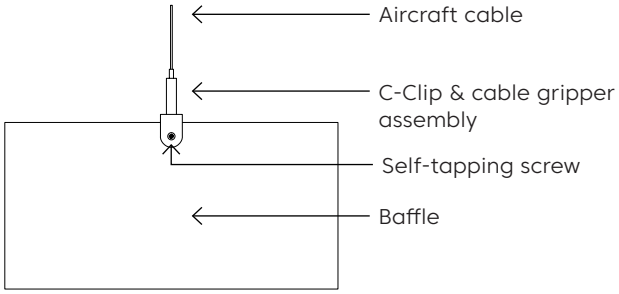
1. Choose Module Size | **2. Choose Module Quantity** | **3. Choose Mounting Method**

There are several mounting methods available. Choose one that works best for your project needs and preferred aesthetic.

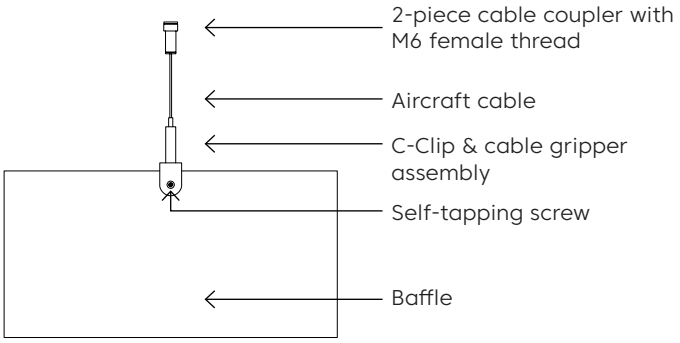
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Mounting Methods

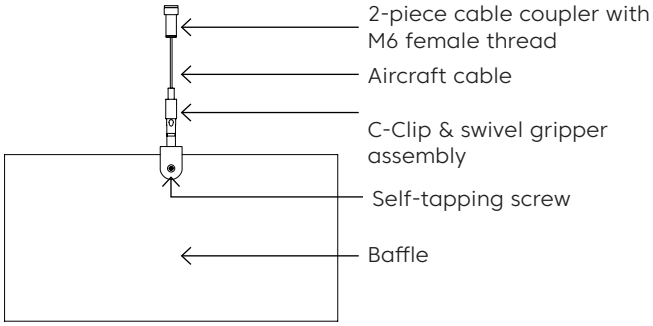
Cable



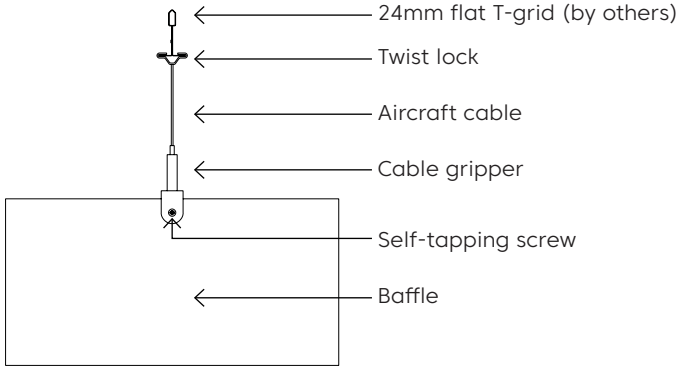
Cable to deck



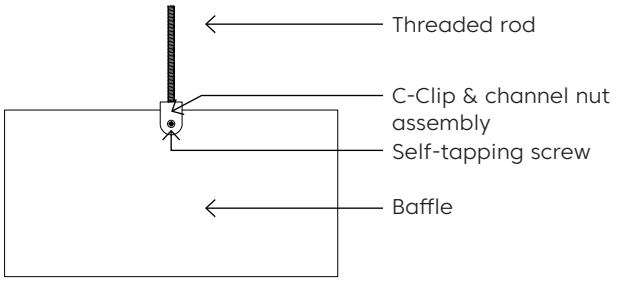
Swivel cable to deck



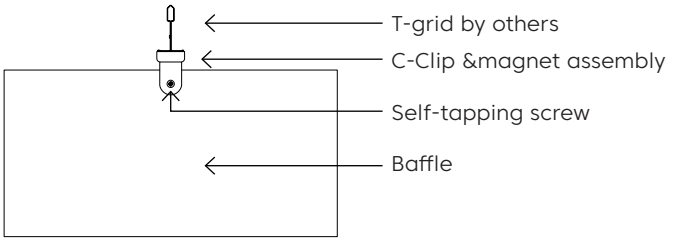
Cable to T-grid



Threaded Rod

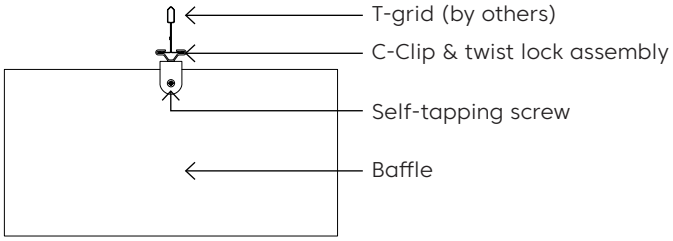


Magnet to T-grid



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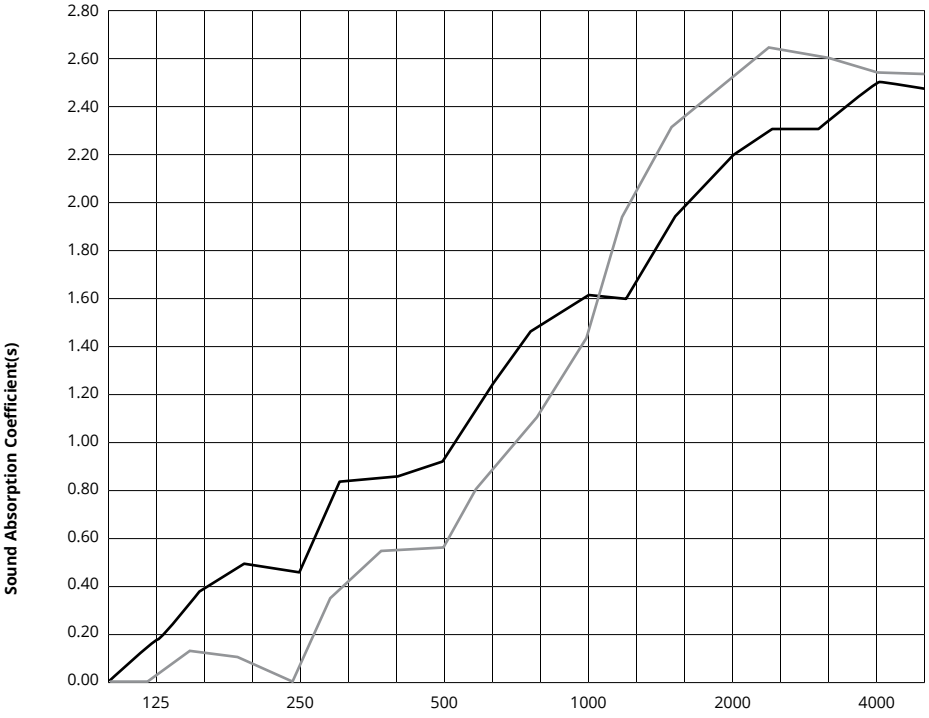
Twist lock to T-grid



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Acoustic Performance

Test Method	ASTM E795-16	
Install Method	J-600	
Rating Method	ASTM C423-17	
Mounting Method	Sample tested 6 baffles 2794mm L x 305mm D, 12mm and 24mm thickness, sample hanging 600mm from floor and 152mm O.C. from each other	
Test Results	**12mm** NRC 1.30 SAA 1.32	**24mm** NRC 1.15 SAA 1.19



	Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
	12mm	0.17	0.44	.93	1.62	2.20	2.51	1.30
	24mm	0.01	0.00	0.56	1.45	2.52	2.55	1.15

What is a Noise Reduction Coefficient (NRC)?

You'll find the NRC rating in the specifications of all of our products. This acronym stands for Noise Reduction Coefficient, and is expressed as a single number, a rating that describes the degree to which acoustic products can absorb sound.

You can use NRC values to understand the overall performance of our acoustic wall and ceiling products. The higher the NRC, the better the product is at soaking up the sound.

Performance Indices: Noise Reduction Coefficient (NRC) results represent the absorption coefficients measured at the one third octave bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customization of installation of the product could alter the results. Sound Absorption Average (SAA) indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz.

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