acoufelt

Wing
Ceiling Baffles

Premier Collection

Wing ceiling baffles give designers a new angle to play with scale and form, light and shadow, color and tone. Combine them with other baffle shapes if you like. They easily install to create a sound-absorbing mass, drop room reverberation, and add visual interest anywhere. Ceiling baffles are a great first course in your soundscaping strategy.

Specifications

Surface	Ceiling
Material	Filasorb™ polyester felt
Thickness	1/2", 12mm (±10%) 1", 24mm (±10%)
Weight	0.49 lb./ft^2 (±10%) 0.98 lb./ft^2 (±10%)
Standard Sizes	*Height ranges from end-to-end (2:1)* Height A: 4" up to 24" (2" increments) Height B: 2" up to 12" (1" increments) Lengths: Range from 12" up to 110" *See page 4 for more details. Custom sizes available*

Wing Ceiling Baffle in Grey

Technical

NRC Rating	**12mm** 1.30 **24mm** 1.15
Fire Test	ASTM E84, Class A Flame spread index: 15 Smoke developed index: 200
Colorfastness	ISO 105-B02, 6-7

Details

Lead Time	3 – 6 weeks
Origin	Manufactured and assembled in the US
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	Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

** PET is recyclable through participating partners.*

Colorways

PREMIER

White
WH12

Almond
AL55

Pistachio
PI25

Celery
CE65

Metal
ME03

Flamingo
FL61

Quartz
QU67

Turmeric
TU60

Platinum
PL04

Pearl
PE21

Eucalyptus
EU71

Sencha
SE58

Periwinkle
PE23

Amethyst
AM69

Valentine
VA70

Wheat
WH68

Grey
GR02

Ivory
IV11

Wasabi
WA29

Sea Salt
SE57

Marine
MA15

Lilac
LI13

Peach
PE19

Popcorn
PO26

Slate
SL27

Umber
UM54

Thistle
TH28

Peacock
PE20

Iris
IR10

Berry
BE06

Peppercorn
PE22

Carrot
CA08

Charcoal
CH01

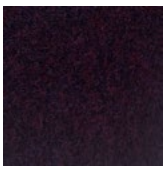
Walnut
WA56

Oregano
OR18

Azure
AZ05

Granite
GR62

Flint
FL64



Shiraz
SH63

Currant
CU59

Piano Black
PI24

Midnight
MI16

Kale
KA12

Denim
DE09

Order samples at **acoufelt.com/colorways**

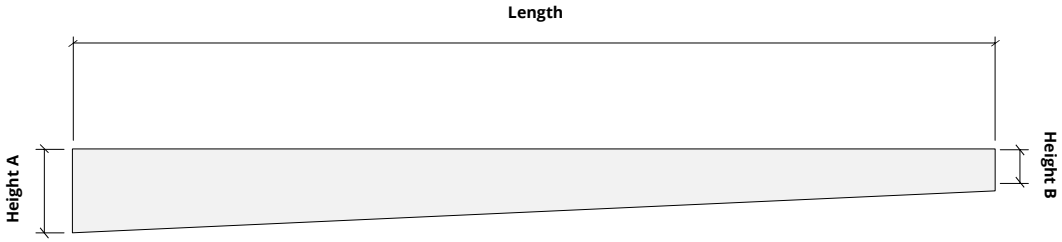
Sizes

Standard Heights *Height ranges from end-to-end (2:1)*
Height A: 4" up to 24" (2" increments)
Height B: 2" up to 12" (1" increments)
Custom sizes available

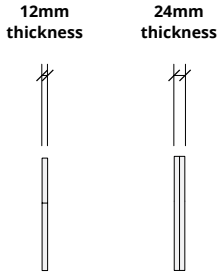
Thickness 1/2", 12mm (±10%)
1", 24mm (±10%)

Standard Lengths 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 110"L
Custom sizes available

Height A	Height B
4"	2"
6"	3"
8"	4"
10"	5"
12"	6"
14"	7"
16"	8"
18"	9"
20"	10"
22"	11"
24"	12"



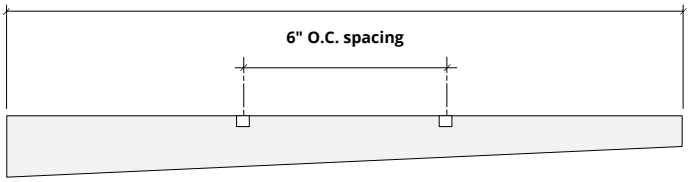
Height range from Point A to Point B is 2:1



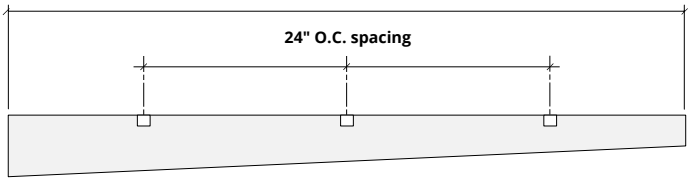
Hardware Spacing

12, 18" L	6" on center spacing
24, 30" L	12" on center spacing
36, 42, 48, 54" L	24" on center spacing
60, 66, 72, 78, 84, 90" L	24" on center spacing
96, 102, 108, 110" L	30" on center spacing

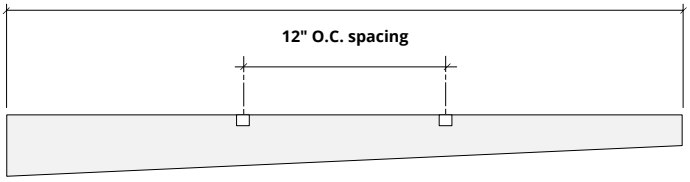
12,18" L



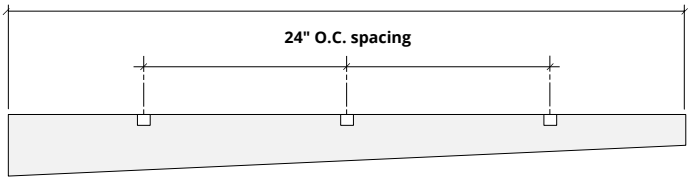
60, 66, 72, 78, 84, 90" L



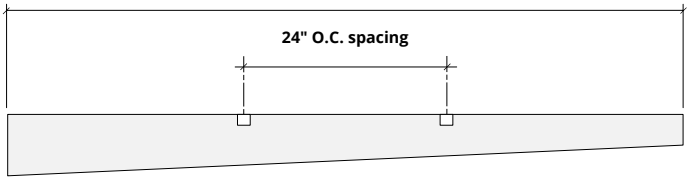
24, 30" L



96, 102, 108, 110" L

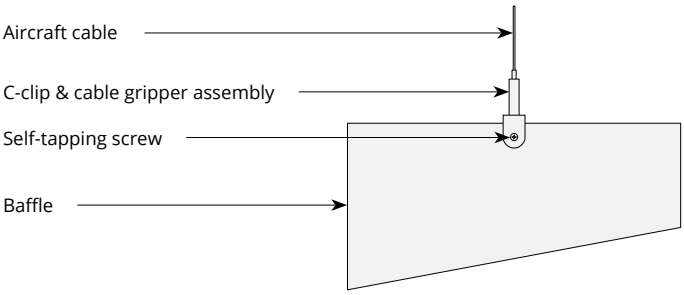


36, 42, 48, 54" L

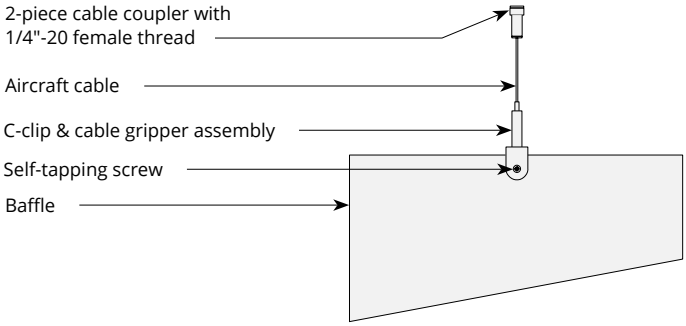


Mounting Methods

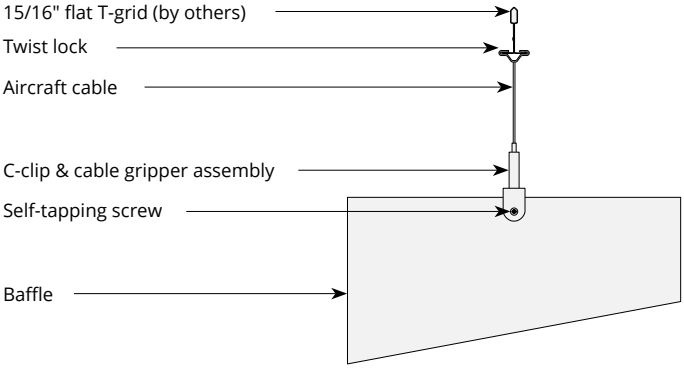
Cable



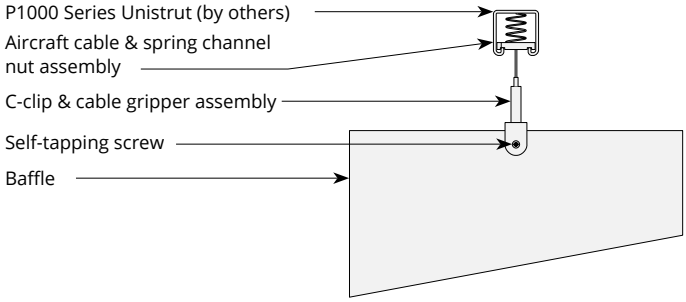
Cable to deck



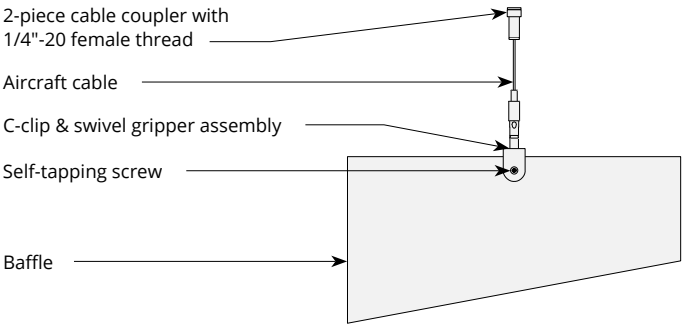
Cable to T-grid



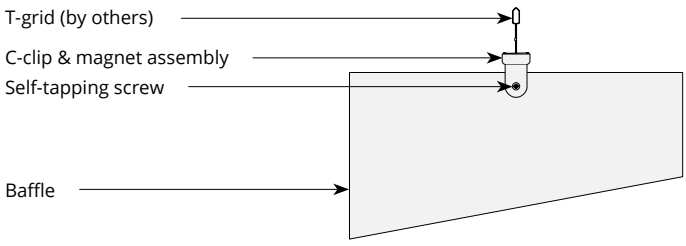
Cable to Unistrut



Swivel cable to deck

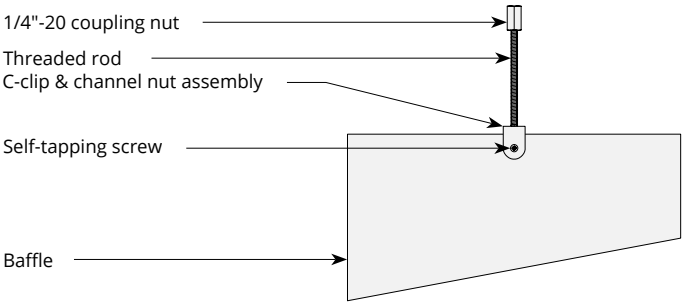


Magnet to T-grid

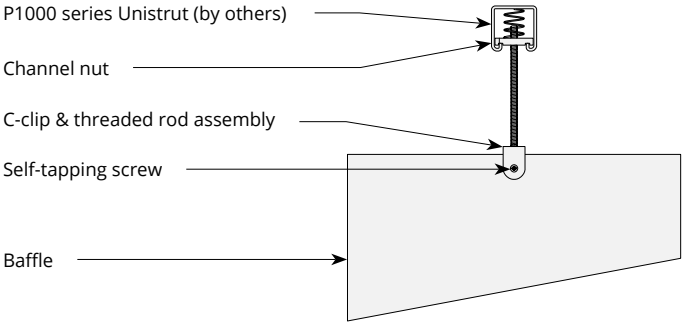


Mounting Methods cont'd.

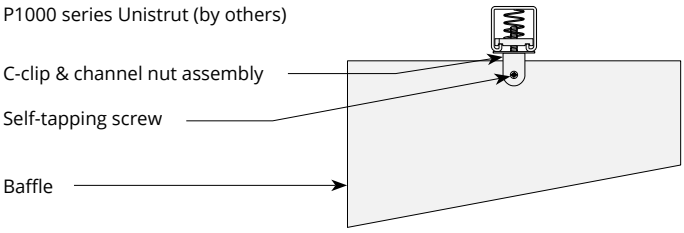
Threaded rod



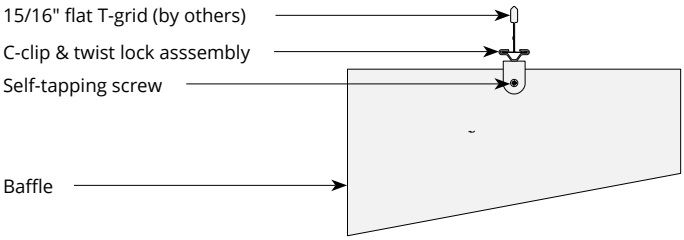
Threaded rod to Unistrut



Direct to Unistrut

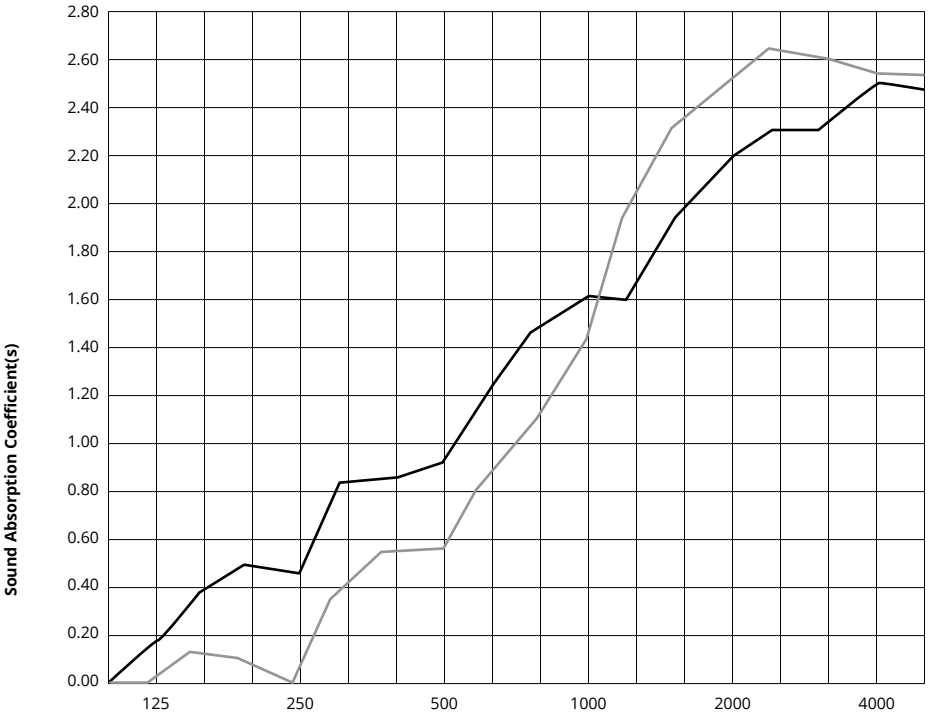


Twist lock to T-grid



Acoustic Performance

Test Method	ASTM E795-16
Install Method	J-600
Rating Method	ASTM C423-17
Mounting Method	Sample tested 6 baffles 110"L x 12"D, 12mm and 24mm thickness, sample hanging 600mm from floor and 6" O.C. from each other
Test Results	**12mm** NRC 1.30 SAA 1.32, no air gap **24mm** NRC 1.15



	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.