

Billow

Ceiling Baffles

WoodGrain Collection

Billow brings refreshing softness to today's hard-edged spaces with curved lines, natural texture, and high sound performance. Multiple sizes, colors, and mounting options give you maximum freedom to precisely create the environment you envision and design a signature pattern to float effortlessly above any space.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Thickness	1/2", 12mm (±10%)
Weight	0.49 lb./ft ² (±10%)
Standard Sizes	Height: 4" up to 12" H (1" increments) Width: 14" W Thickness: 2, 3" T Length: 48, 96" L



Billow Ceiling Baffles in Wine Barrel

Technical

NRC Rating	1.65
Fire Test	ASTM E84, Class A Flame spread index: 15 Smoke developed index: 200
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

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	Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

* PET is recyclable through participating partners.



Colorways

WOODGRAIN



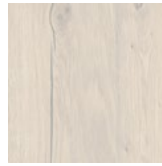
Boat Shed
WQ02



Picket Fence
WQ01



Loft
WQ06



Nordic Plank
WQ15



White Oak
WQ13



Baltic Birch
WQ12



White Elm
WQ07



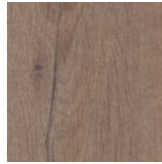
Lyed Larch
WQ30



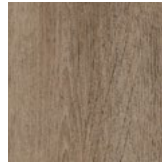
Woodland Fog
WQ22



Weathered Slate
WQ14



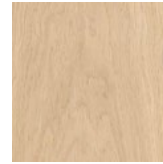
French Bobbin
WQ08



Boardwalk
WQ10



Mountain Lodge
WQ24



Wine Barrel
WQ03



Natural Oak
WQ16



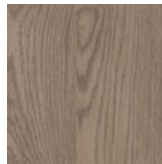
Knotty Spruce
WQ29



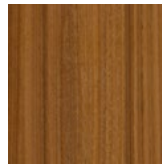
Shadow Oak
WQ28



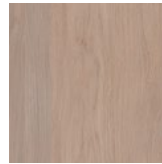
Driftwood
WQ21



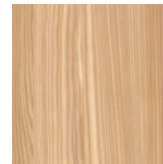
Mocha Legno
WQ25



Teak
WQ18



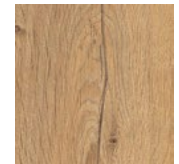
Fumed Oak
WQ19



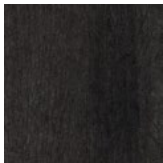
European Larch
WQ17



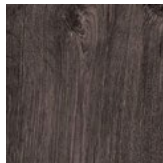
Petrified Ash
WQ23



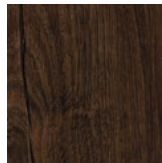
Log Cabin
WQ04



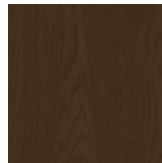
Charred Larch
WQ09



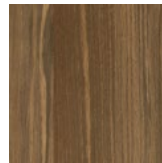
Barn Door
WQ05



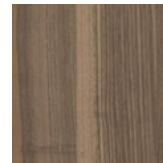
Antique Chest
WQ11



Scorched Timber
WQ26



Espresso Oak
WQ27



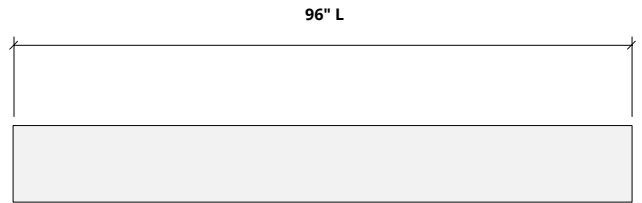
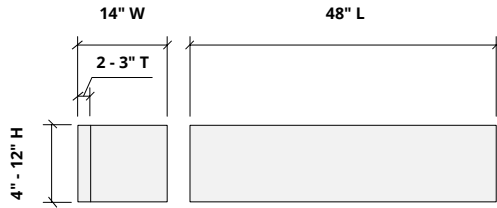
Black Walnut
WQ20

Order samples at acoufelt.com/colorways

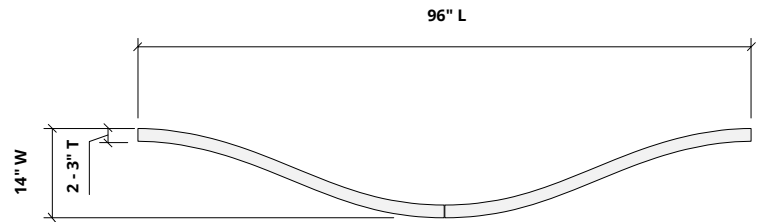
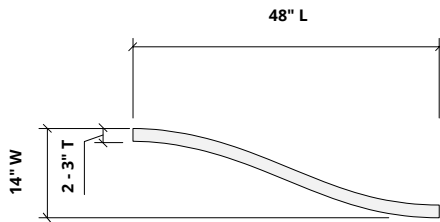
Sizes

Standard Sizes	Height: 4" up to 12" H (1" increments) Width: 14" W Thickness: 2, 3" T Length: 48, 96" L
Thickness	1/2", 12mm (±10%)

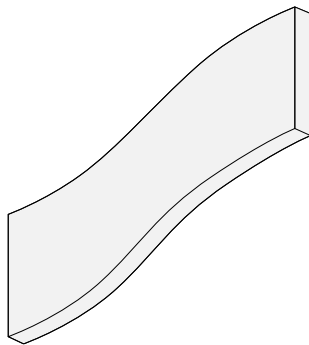
Elevation



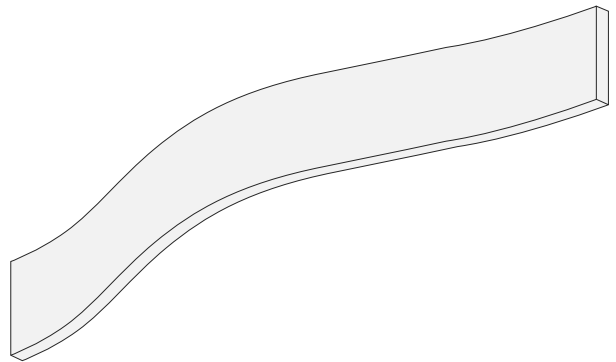
Plan



Perspective



Perspective

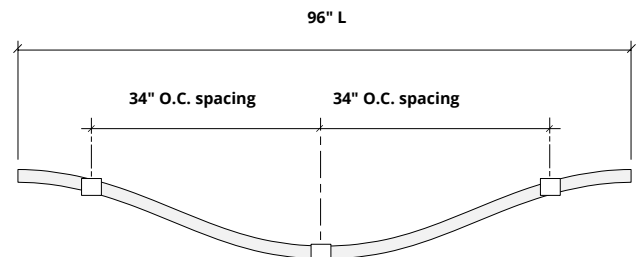
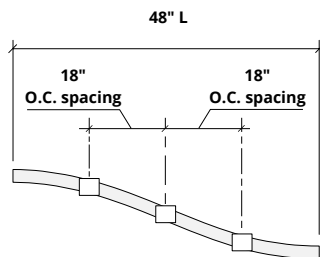
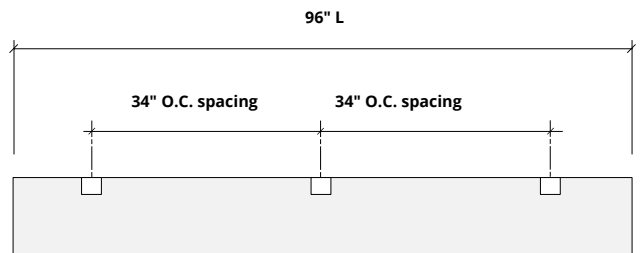
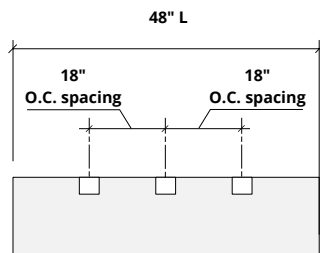


12mm
material thickness



Hardware Spacing

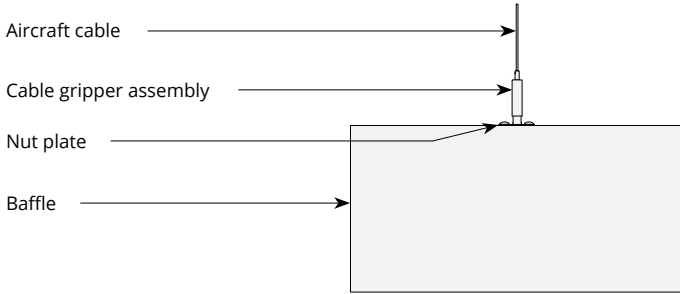
48" L	18" on center spacing
96" L	34" on center spacing



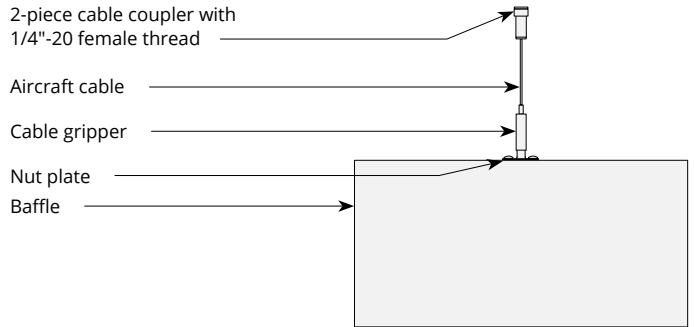
**The number of connection locations may vary depending on mounting methods.*

Mounting Methods

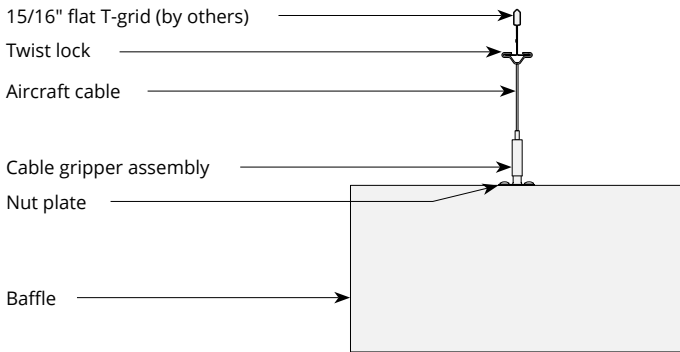
Cable



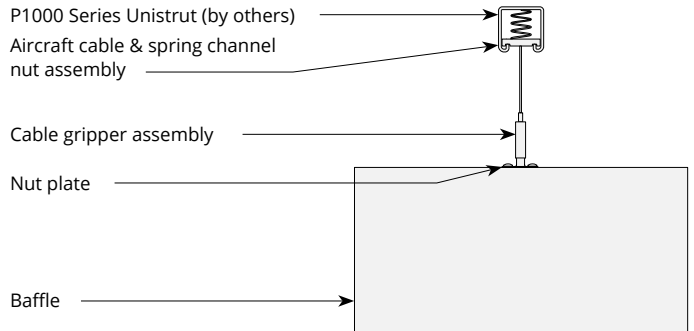
Cable to deck



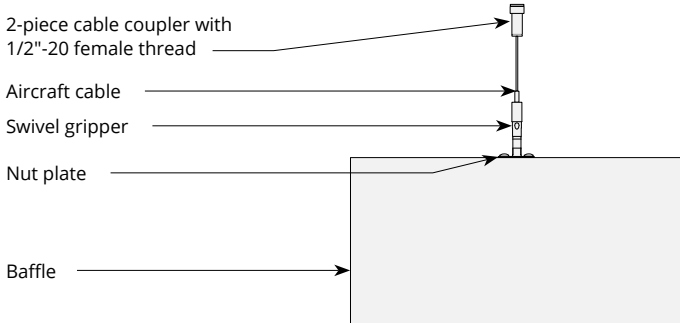
Cable to T-grid



Cable to Unistrut

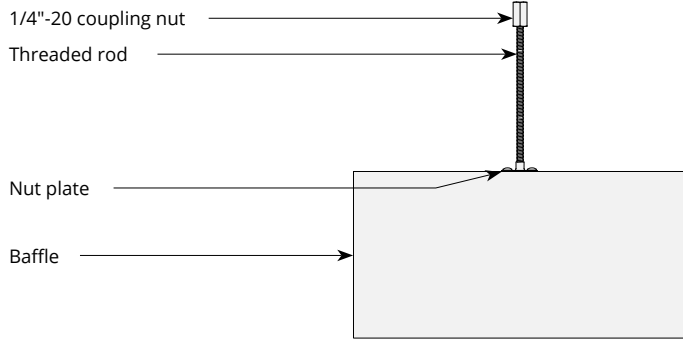


Swivel cable to deck

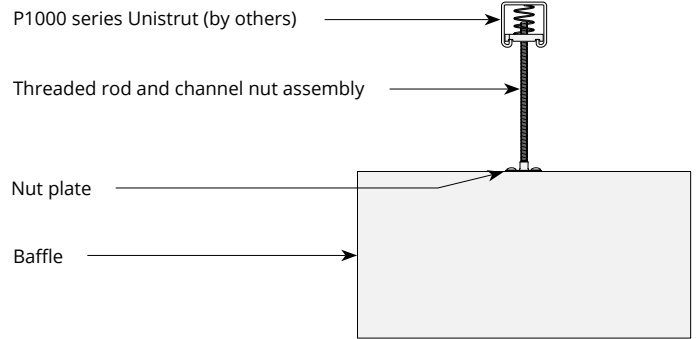


Mounting Methods cont'd.

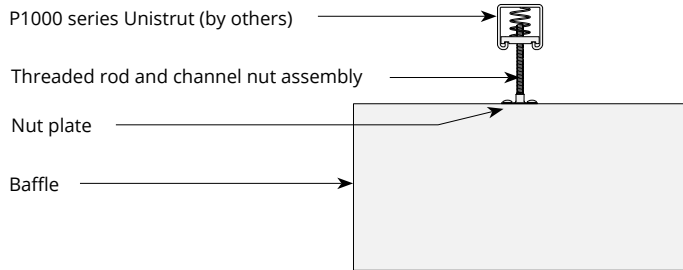
Threaded rod



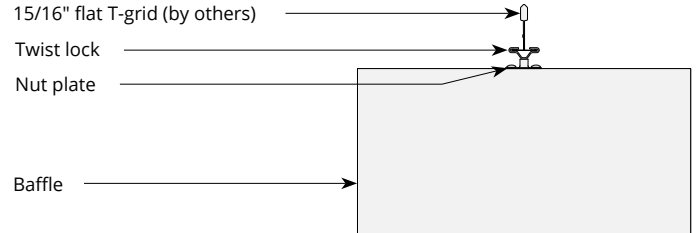
Threaded rod to Unistrut



Direct to Unistrut

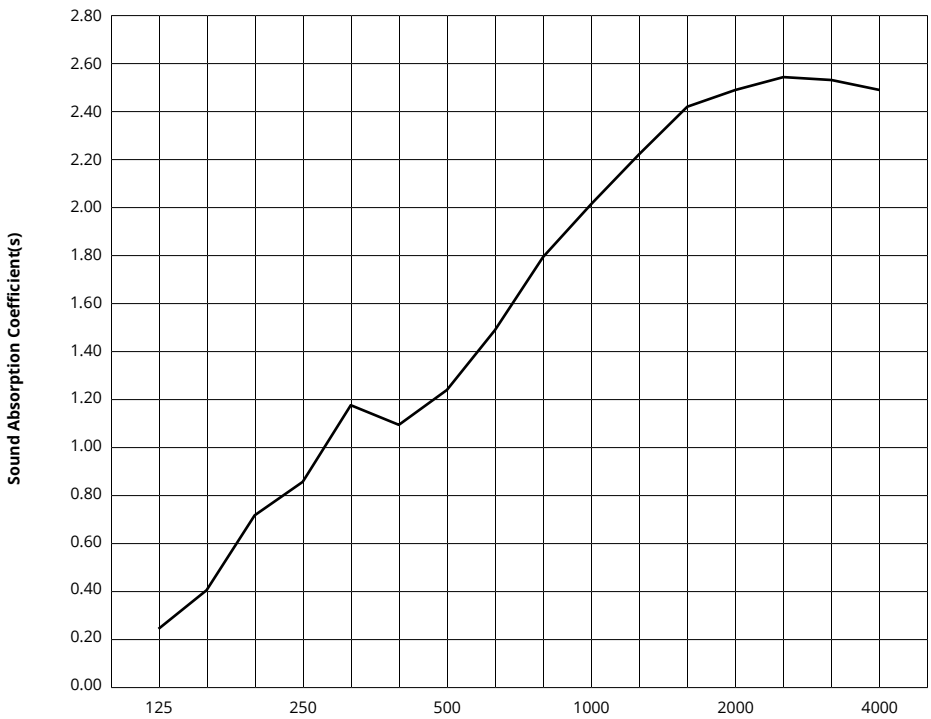


Twist lock to T-grid



Acoustic Performance

Test Method	ASTM E795-16
Install Method	J-600
Rating Method	ASTM C423-17
Mounting Method	Sample tested 5 baffles 110" L x 12" D x 3" T, hanging 600mm from floor and 152mm from each other
Test Results	NRC 1.65 SAA 1.68



Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
12mm	0.26	0.86	1.25	2.02	2.49	2.49	1.65

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.