acoufelt

Truss

Ceiling Baffles

WoodGrain Collection

Truss is an acoustic ceiling baffle designed to mimic the natural aesthetic of a real wood beam, without the associated weight and sound reverberation of natural wood. The variety of sizes allows Truss Baffles to be used as a singular beam, in various configurations, or together in multiple sizes to create an interesting architectural design.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Thickness	1/2", 12mm (±10%)
Weight	0.49 lb./ft^2 (±10%)
Standard Sizes	Height: 3" up to 20" H (1" increments) Depth: 2" up to 12" D (1" increments) Length: 12" up to 108" L (6" increments), 110" L *Custom sizes available*

Truss 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	Environmental Product Declaration 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

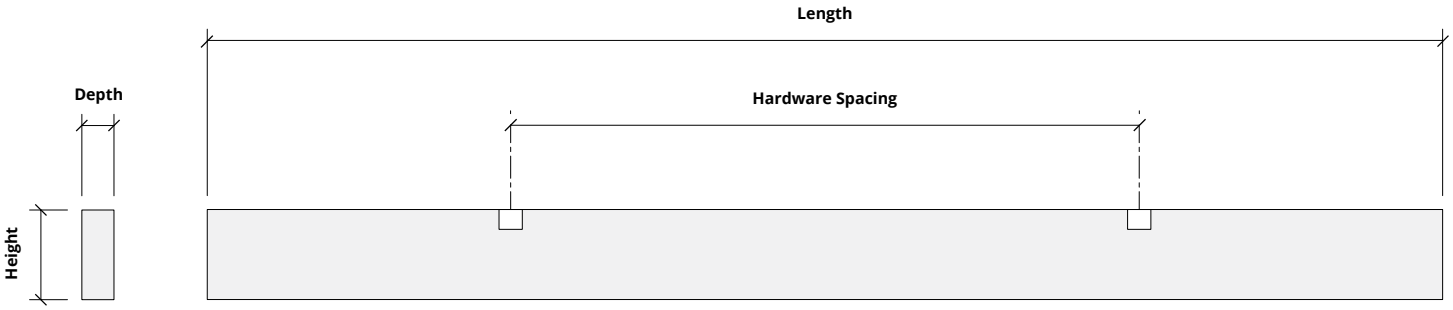
Order samples at **acoufelt.com/colorways**

Sizes

Standard Sizes	Height: 3" up to 20" H (1" increments) Depth: 2" up to 12" D (1" increments) Length: 12" up to 108" L (6” increments), 110" L *Custom sizes available*
Thickness	1/2", 12mm (±10%)

	3"H	4"H	5"H	6"H	7"H	8"H	9"H	10"H	11"H	12"H	13"H	14"H	15"H	16"H	17"H	18"H	19"H	20"H
2"D																		
3"D																		
4"D																		
5"D																		
6"D																		
7"D																		
8"D																		
9"D																		
10"D																		
11"D																		
12"D																		

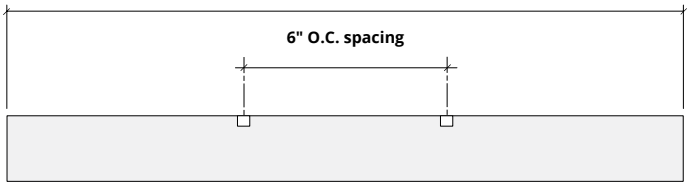
Standard sizes



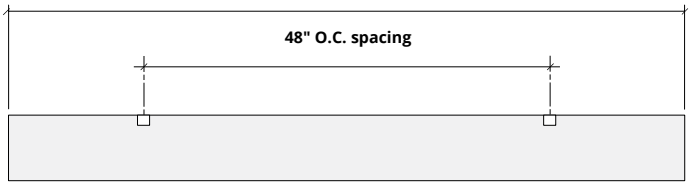
Hardware Spacing

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	48" on center spacing
96, 102, 108, 110" L	60" on center spacing

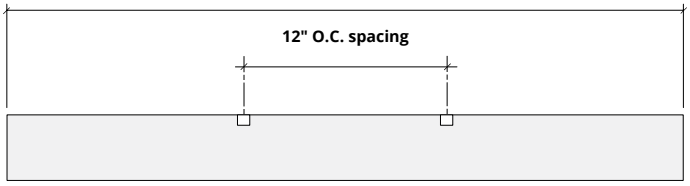
12, 18" L



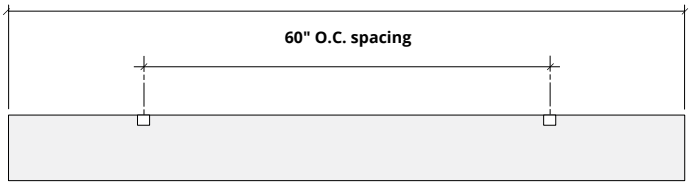
60, 66, 72, 78, 84, 90" L



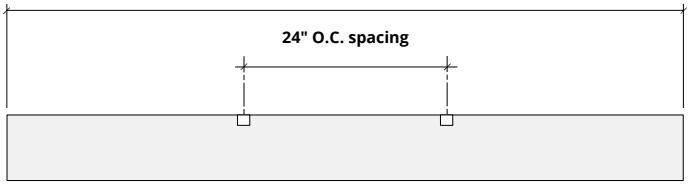
24, 30" L



96, 102, 108, 110" L

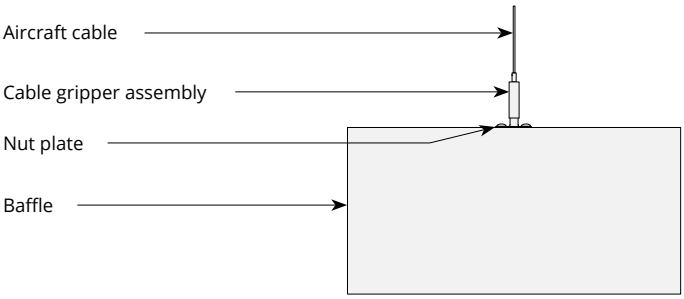


36, 42, 48, 54" L

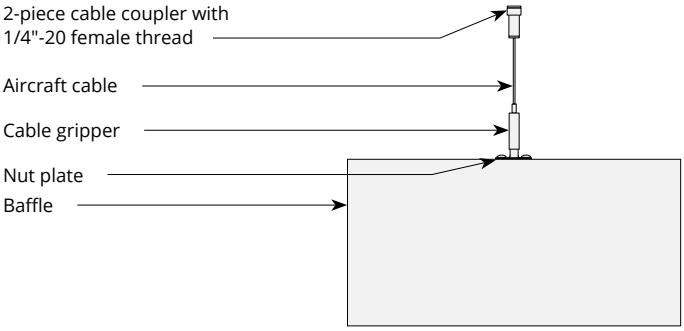


Mounting Methods

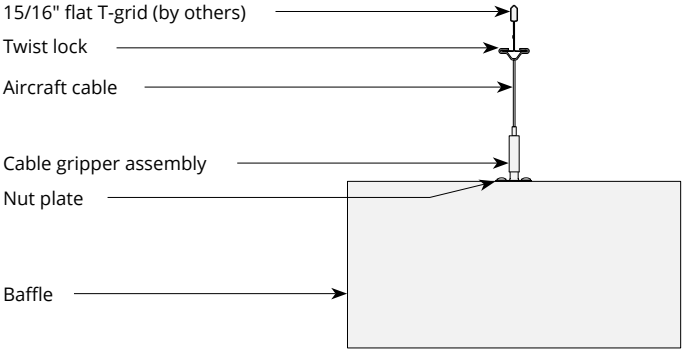
Cable



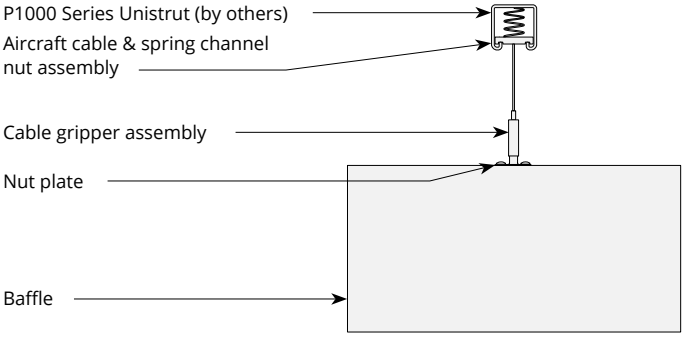
Cable to deck



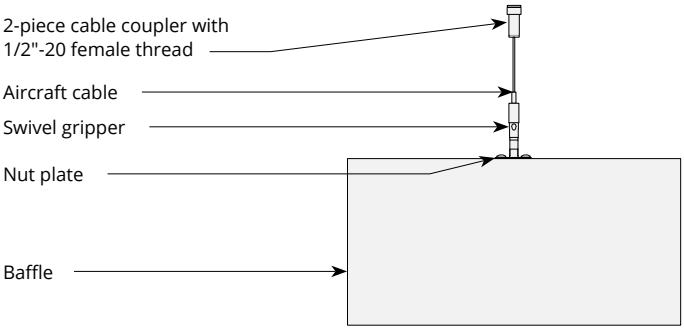
Cable to T-grid



Cable to Unistrut

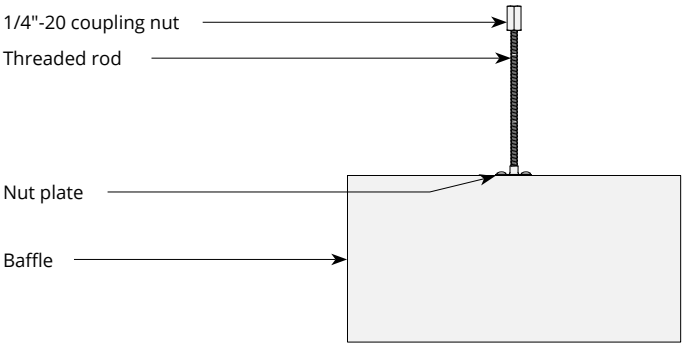


Swivel cable to deck

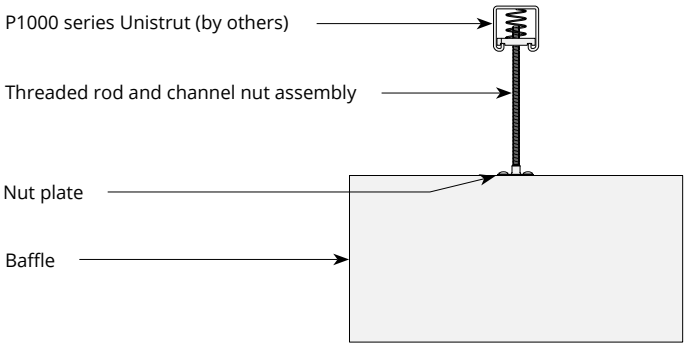


Mounting Methods cont’d.

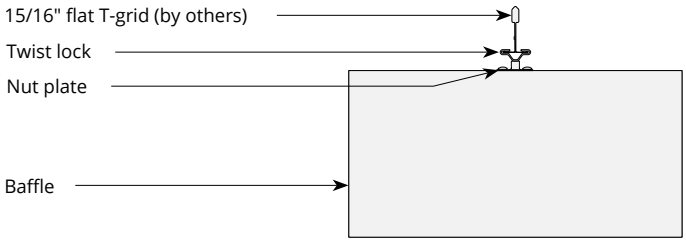
Threaded rod



Threaded rod to Unistrut

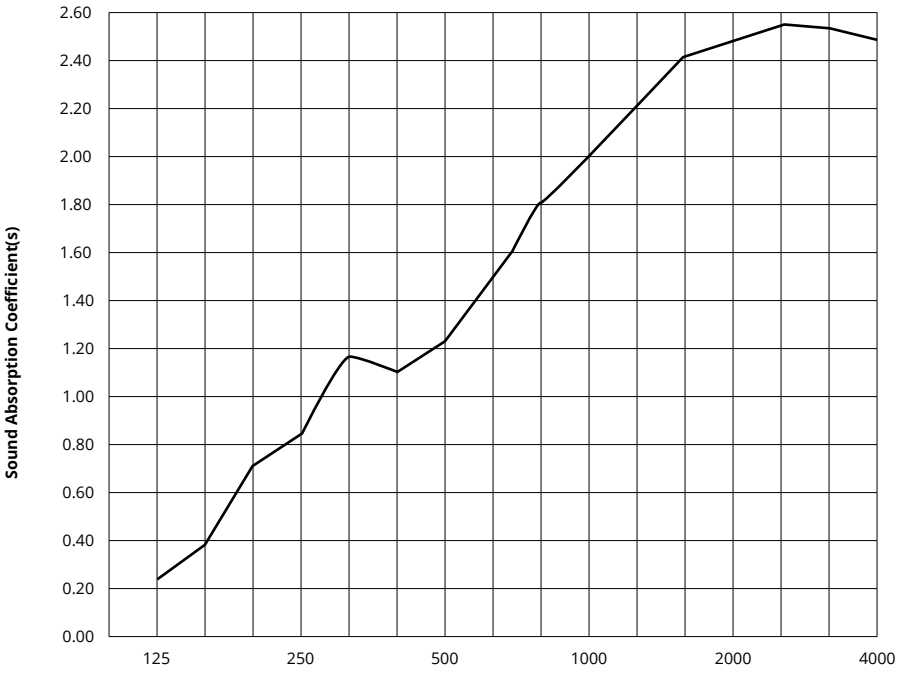


Twist lock to T-grid



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" thickness, 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
3" Truss Baffle	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.