



# 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

<b>Surface</b>	Ceiling
<b>Material</b>	FilaSorb™ polyester felt
<b>Thickness</b>	1/2", 12mm (±10%)
<b>Weight</b>	0.49 lb./ft <sup>2</sup> (±10%)
<b>Standard Sizes</b>	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 <i>Custom sizes available</i>



Truss Ceiling Baffles in Wine Barrel

## Technical

<b>NRC Rating</b>	1.65
<b>Fire Test</b>	ASTM E84, Class A Flame spread index: 15 Smoke developed index: 200
<b>Water Sorption</b>	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
<b>Colorfastness</b>	ISO 105-B02, 6-7

## Details

<b>Lead Time</b>	3 – 6 weeks
<b>Origin</b>	Manufactured and assembled in the US
<b>Warranty</b>	Product: 20 years* Colorfastness: 20 years*

\* Conditions apply

## Environmental

<b>Recycled Content</b>	Minimum 60%
<b>Energy</b>	Generated using 40% solar energy
<b>Indoor Air Quality</b>	VOC less than/equal to 0.5mg/m <sup>3</sup>
<b>Recyclable</b>	100%*
<b>Certifications</b>	Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

\* PET is recyclable through participating partners.



For questions or additional product information,  
visit [acoufelt.com](https://www.acoufelt.com) or call **800.966.8557**.

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# Colorways

## WOODGRAIN



Picket Fence  
WQ01



Loft  
WQ06



White Elm  
WQ07



Lyed Larch  
WQ30



White Oak  
WQ13



Baltic Birch  
WQ12



Knotty Spruce  
WQ29



French Bobbin  
WQ08



Boat Shed  
WQ02



Nordic Plank  
WQ15



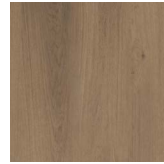
Boardwalk  
WQ10



Mocha Legno  
WQ25



Mountain Lodge  
WQ24



Wine Barrel  
WQ03



Log Cabin  
WQ04



Natural Oak  
WQ16



Woodland Fog  
WQ22



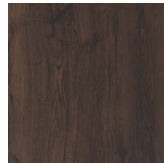
Driftwood  
WQ21



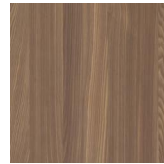
Weathered Slate  
WQ14



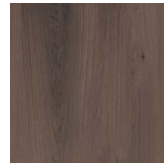
Petrified Ash  
WQ23



Antique Chest  
WQ11



European Larch  
WQ17



Fumed Oak  
WQ19



Teak  
WQ18



Charred Larch  
WQ09



Shadow Oak  
WQ28



Barn Door  
WQ05



Black Walnut  
WQ20



Scorched Timber  
WQ26



Espresso Oak  
WQ27

Order samples at [acoufelt.com/colorways](https://acoufelt.com/colorways)

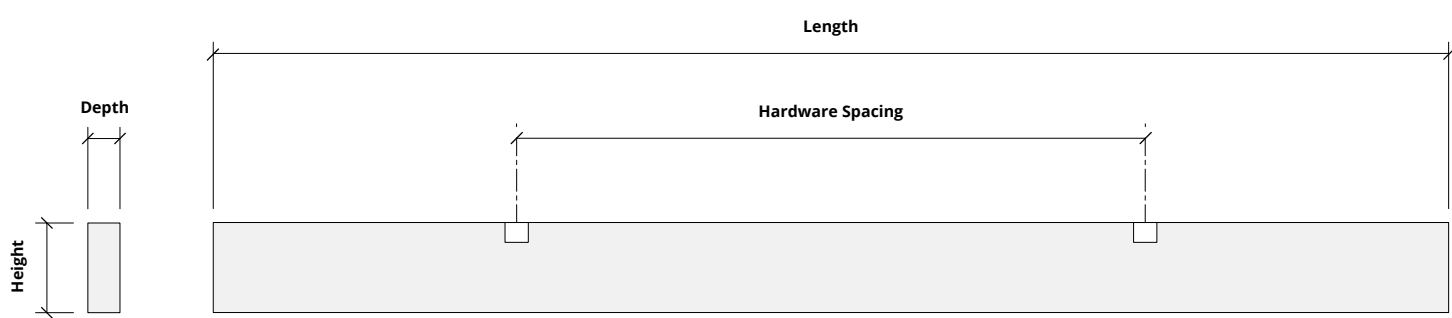
# Sizes


**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	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
3"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
4"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
5"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
6"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
7"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
8"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
9"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
10"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
11"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
12"D	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

 Standard sizes

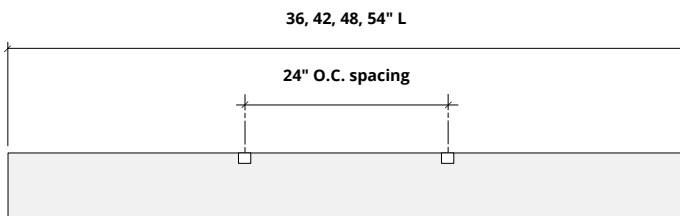
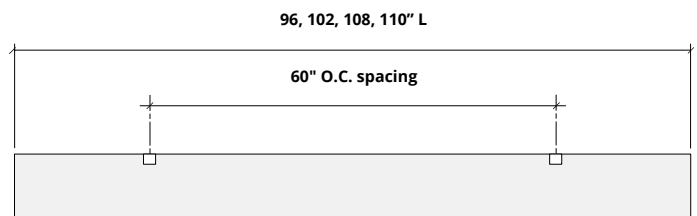
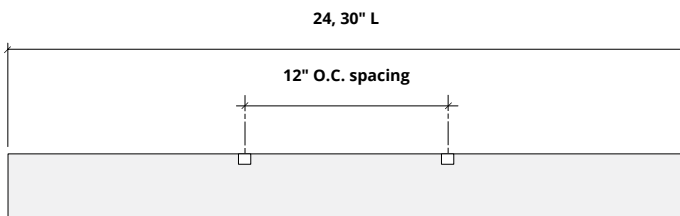
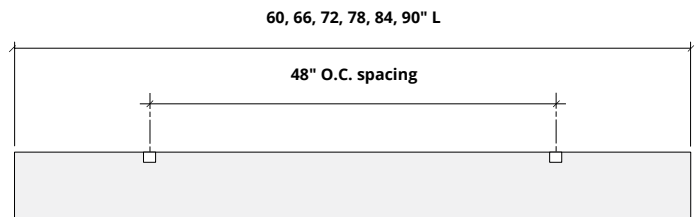
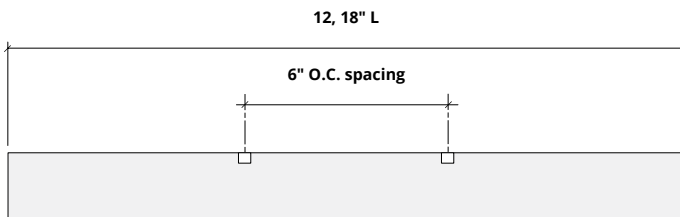


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# Hardware Spacing

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



# How to Specify

**1. Choose Height**

2. Choose Width

3. Choose Length

4. Choose Colorways

Select height based on desired design: 3" up to 20" H (1" increments)

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1. Choose Height

**2. Choose Width**

3. Choose Length

4. Choose Colorways

Select width: 2" 4", 6", 8", 10" or 12" W.

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1. Choose Height

2. Choose Width

**3. Choose Length**

4. Choose Colorways

Truss baffles come in the standard lengths of: 12", 18", 24", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96", 102", 108, 110" L.

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1. Choose Height

2. Choose Width

3. Choose Length

**4. Choose Colorways**

See colorway choices on page 3.

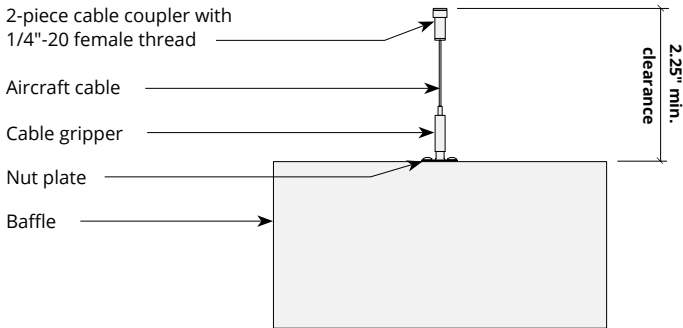


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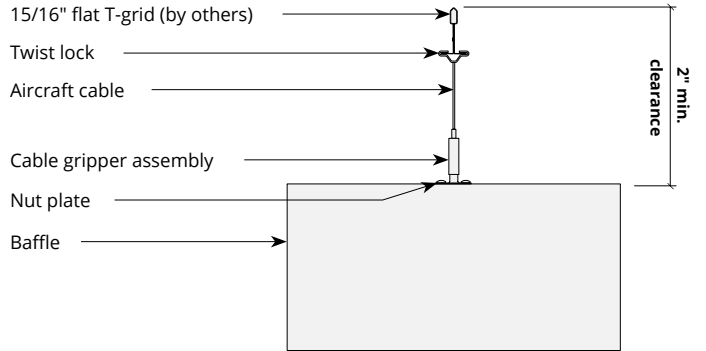
# Mounting Methods

## Cable to deck



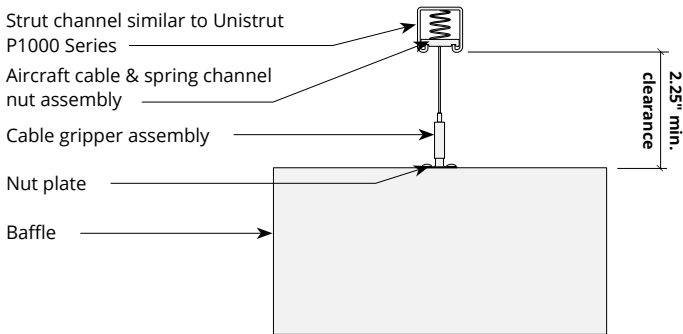
Hardware Kits:  
 HK1006 - 48" Cable  
 HK1010 - 120" Cable

## Cable to T-grid



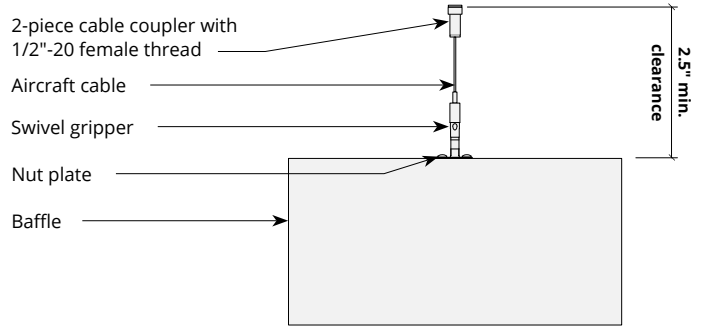
Hardware Kits:  
 HK1008 - 48" Cable  
 HK1012 - 120" Cable

## Cable to strut channel



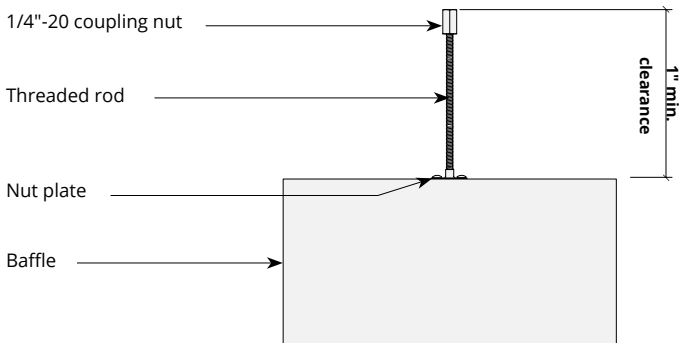
Hardware Kits:  
 HK1009 - 48" Cable  
 HK1013 - 120" Cable

## Swivel cable to deck



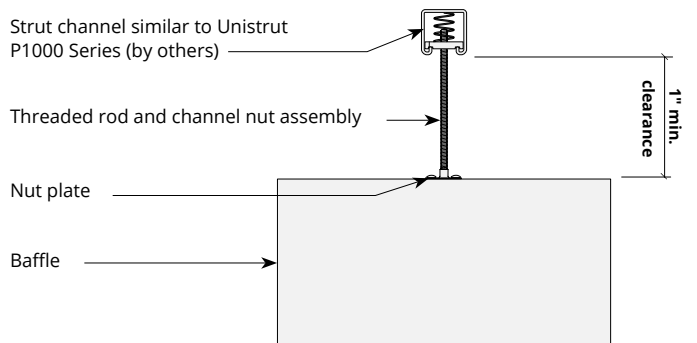
Hardware Kits:  
 HK1007 - 48" Cable  
 HK1011 - 120" Cable

## Threaded rod



Hardware Kits:  
 HK1014 - 24" Cable  
 HK1015 - 48" Cable

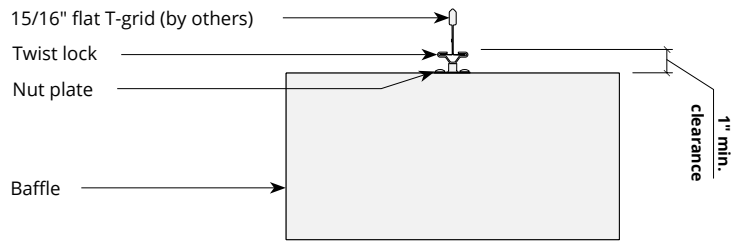
## Threaded rod to strut channel



Hardware Kits:  
 HK1277 - 24" Cable  
 HK1278 - 48" Cable

## Mounting Methods cont'd.

### Twist lock to T-grid

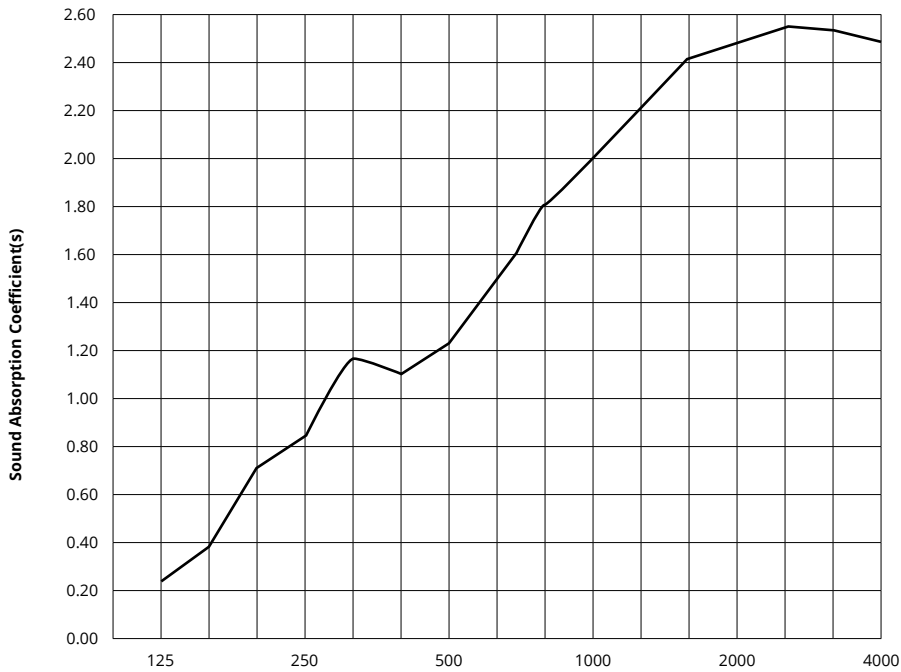


### Hardware Kits:

HK1017

# Acoustic Performance

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




Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
<b>3" Truss Baffle</b>	<b>0.26</b>	<b>0.86</b>	<b>1.25</b>	<b>2.02</b>	<b>2.49</b>	<b>2.49</b>	<b>1.65</b>

## 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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