

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 <i>Custom sizes available</i> |



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 |
| 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.

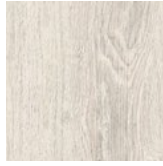


Colorways

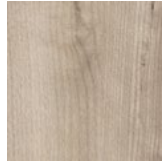
WOODGRAIN



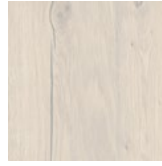
Boat Shed
WQ02



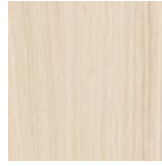
Picket Fence
WQ01



Loft
WQ06



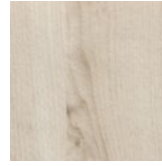
Nordic Plank
WQ15



White Oak
WQ13



Baltic Birch
WQ12



White Elm
WQ07



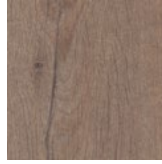
Lyed Larch
WQ30



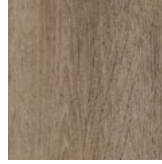
Woodland Fog
WQ22



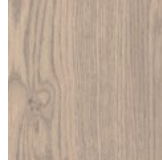
Weathered Slate
WQ14



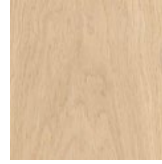
French Bobbin
WQ08



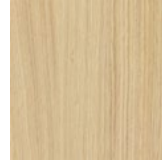
Boardwalk
WQ10



Mountain Lodge
WQ24



Wine Barrel
WQ03



Natural Oak
WQ16



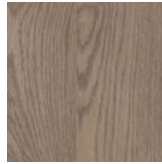
Knotty Spruce
WQ29



Shadow Oak
WQ28



Driftwood
WQ21



Mocha Legno
WQ25



Teak
WQ18



Fumed Oak
WQ19



European Larch
WQ17



Petrified Ash
WQ23



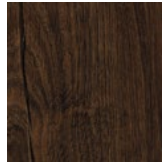
Log Cabin
WQ04



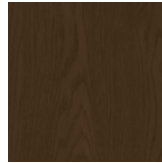
Charred Larch
WQ09



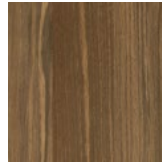
Barn Door
WQ05



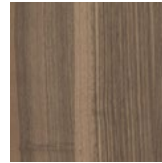
Antique Chest
WQ11



Scorched Timber
WQ26



Espresso Oak
WQ27



Black Walnut
WQ20

Order samples at acoufelt.com/colorways



Call **800.966.8557** with questions or visit acoufelt.com for more product information, downloads, and colorways.

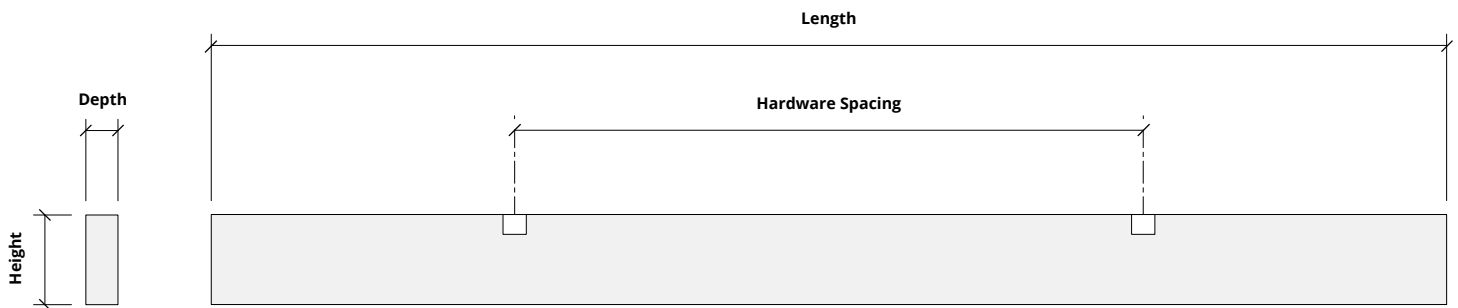
Sizes

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%)

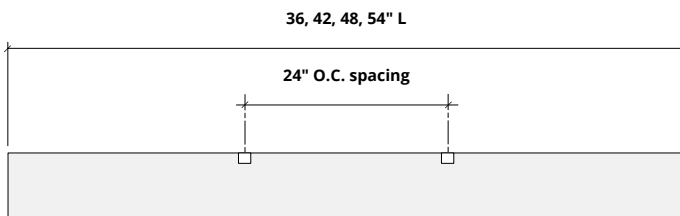
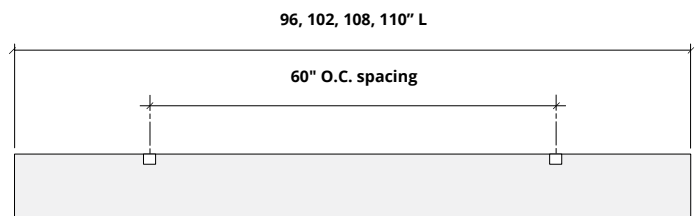
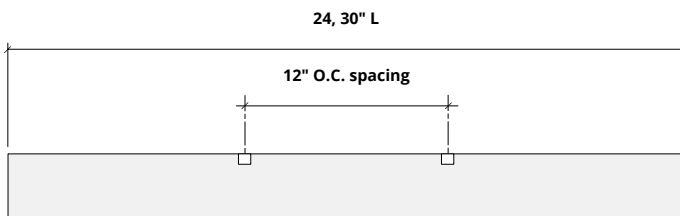
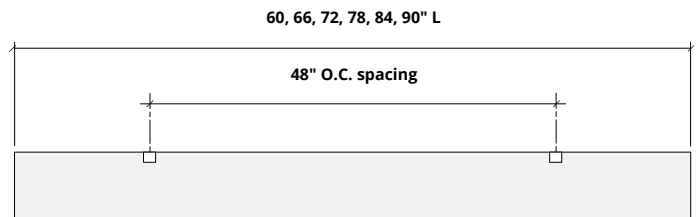
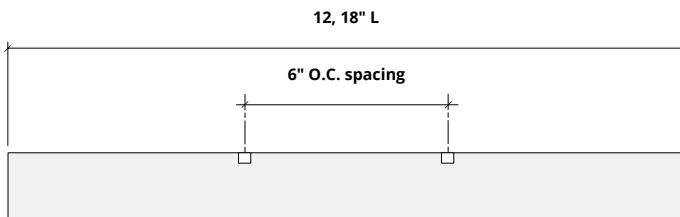
| | 3"H | 4"H | 5"H | 6"H | 7"H | 8"H | 9"H | 10"H | 11"H | 12"H | 13"H | 14"H | 15"H | 16"H | 17"H | 18"H | 19"H | 20"H |
|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 2"D | | | | | | | | | | | | | | | | | | |
| 3"D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

 Standard sizes



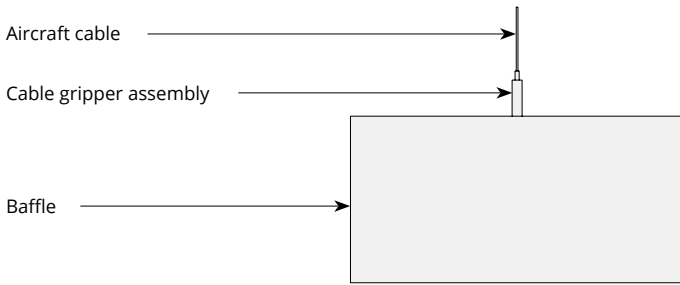
Hardware Spacing

| | |
|----------------------------------|-----------------------|
| 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 |

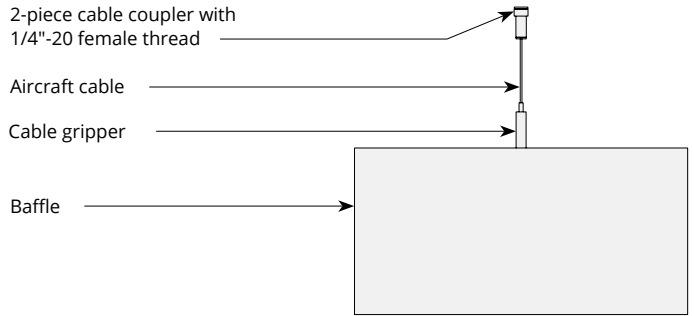


Mounting Methods

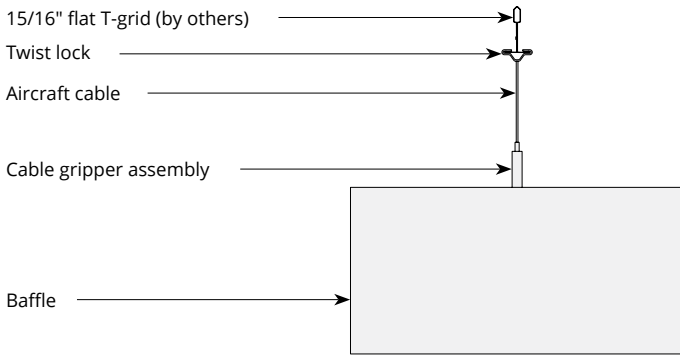
Cable



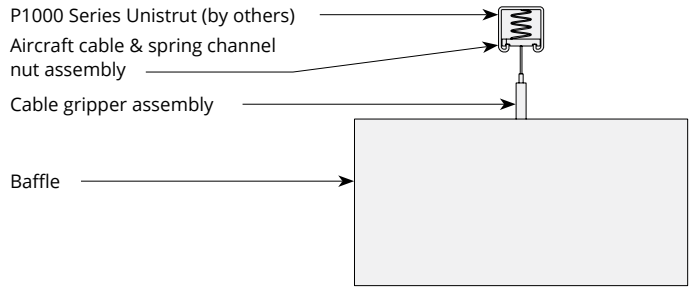
Cable to deck



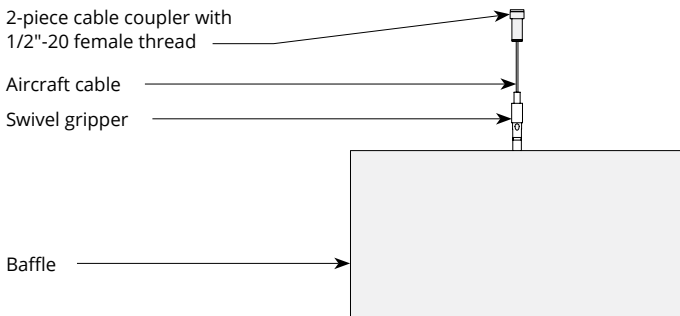
Cable to T-grid



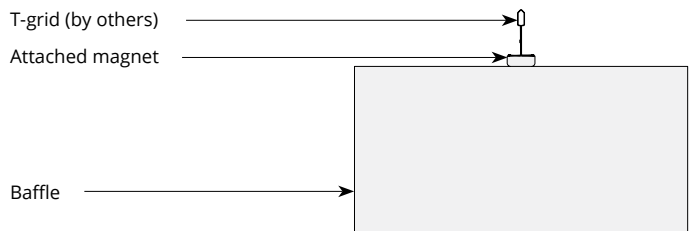
Cable to Unistrut



Swivel cable to deck

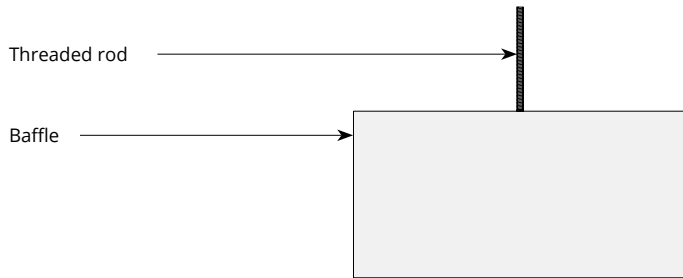


Magnet to T-grid

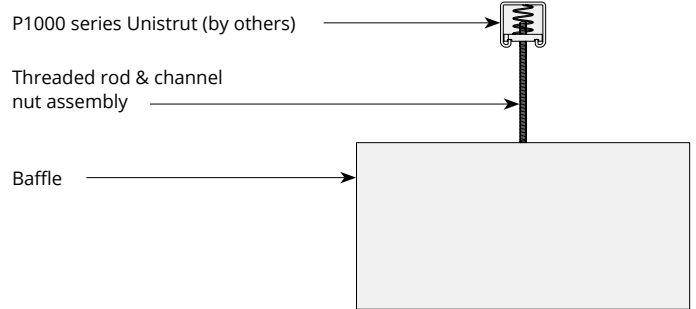


Mounting Methods cont'd.

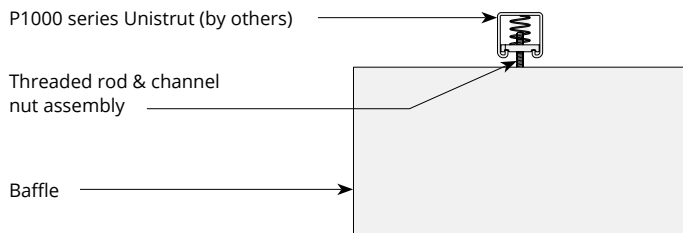
Threaded rod



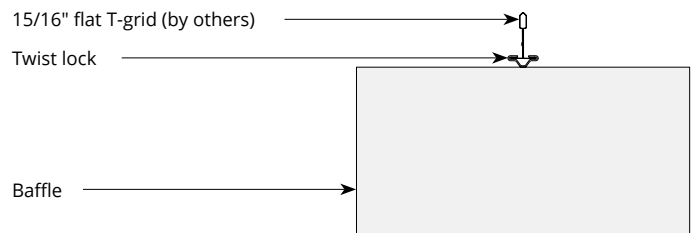
Threaded rod to Unistrut



Direct to Unistrut

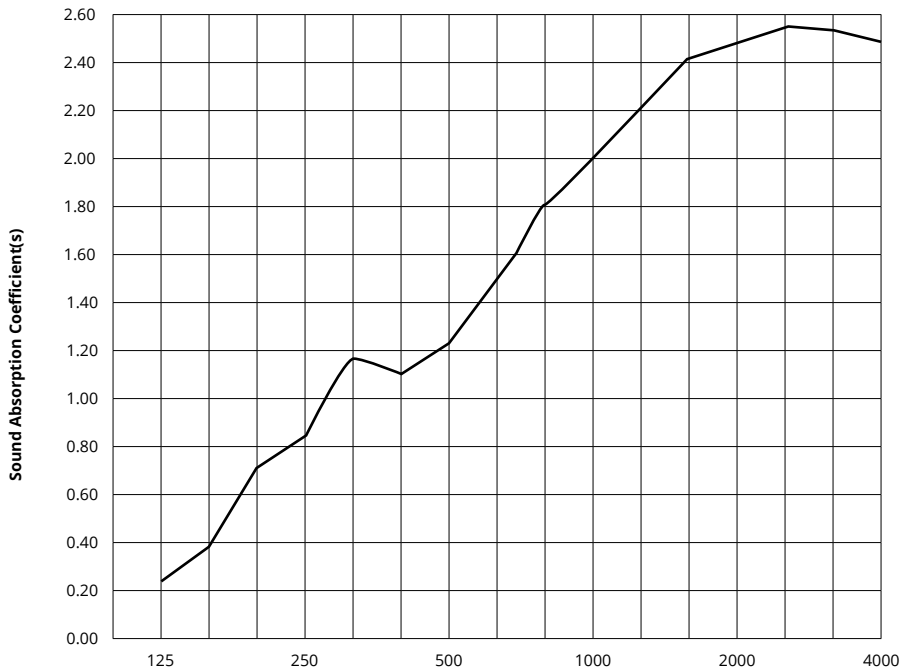


Twist lock to T-grid



Acoustic Performance

| | |
|------------------------|---|
| Test Method | ASTM E795-16 |
| Install Method | J-600 |
| Rating Method | ASTM C423-17 |
| Mounting Method | Sample tested 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.

