Revised on December 13, 2024, subject to change without notice.

AD-Grille - PRODUCT DESCRIPTION

AD-Grille is a versatile collection of rectilinear wood slat grilles offered by **Accent Digital**.

Products in this collection are available with vertical or horizontal slats and can be installed on both walls and ceilings. On the ceiling, the products can be fastened under ceiling suspension systems or laid into these systems.

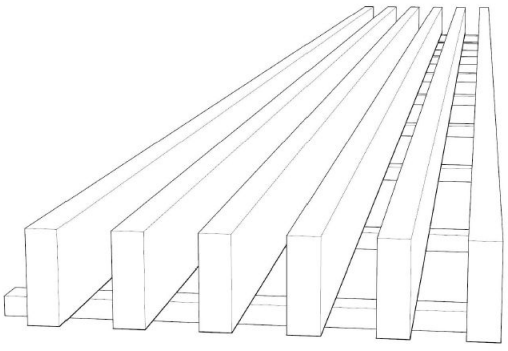
The slats can be made from solid wood or from a substrate covered with hardwood veneers. A variety of wood species and finish options are available. The grilles are designed to maintain consistent spacing between slats across the entire installation surface.

AD-Grille is offered in several standard models, and custom models can be developed. Perimeter mouldings are also available, creating the visual effect of a floating border.

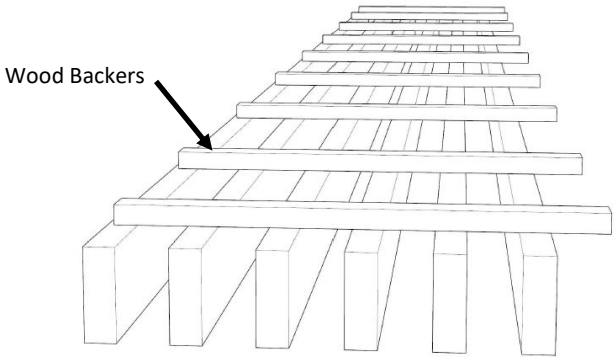
The backers, made of perpendicular wood strips that support the slats, are typically black but can be ordered in other colors upon request. The spacing of these wood strips is 12" (305 mm) to align easily with suspension systems. Installation can be done by screwing directly into the suspension system or by using metal clips provided by Accent Digital. Alternative installation methods that comply with seismic standards are available upon request.

Panels can be supplied with or without acoustic felt behind the slats. When used in ceiling applications with mineral wool or another acoustic absorber installed in the plenum, this product can significantly reduce sound reverberation. In such cases, the overall NRC (Noise Reduction Coefficient) can reach up to **0.90**.

Example of a 1' x 8' grille module shown in perspective view. (model ADG62-19-6)



Example – Rear perspective view

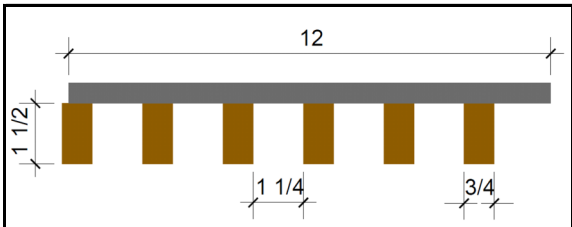
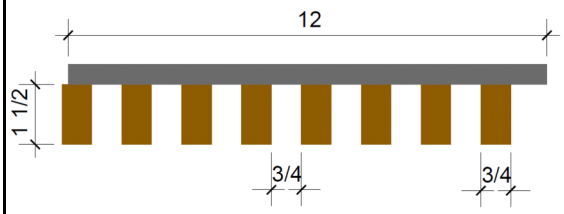
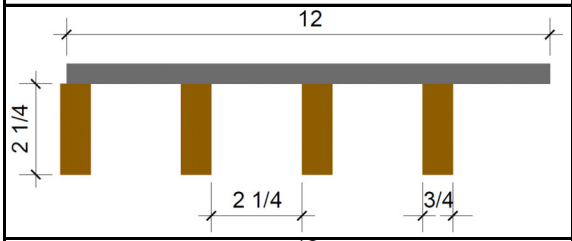
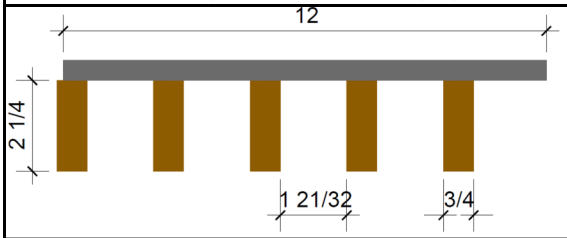
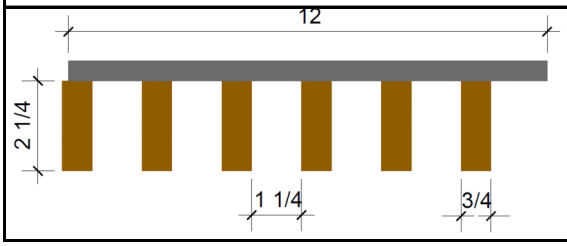


GRILLE MODULES WITH VERTICAL SLATS

Grille modules are available in a standard width of 12 inches and standard nominal lengths of 48, 72, or 96 inches*. Custom dimensions are also available upon request, up to 24 inches in width and 120 inches in length.

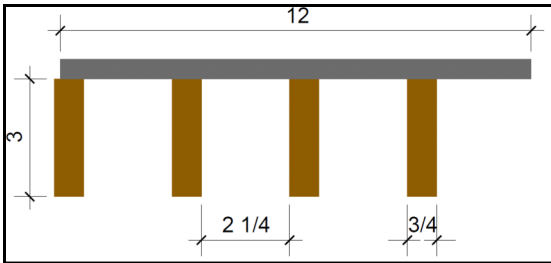
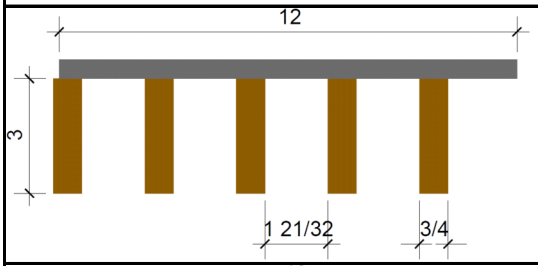
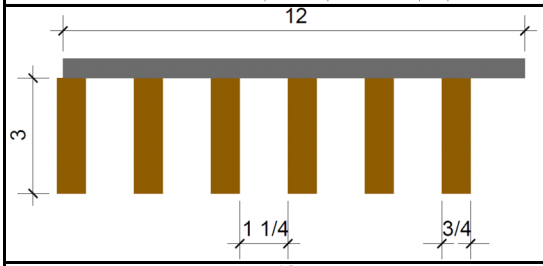
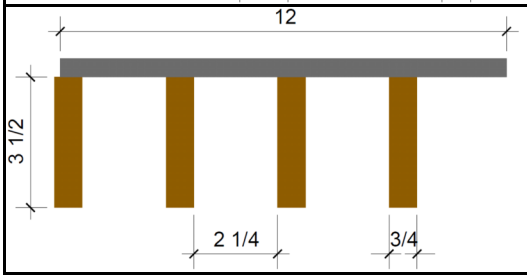
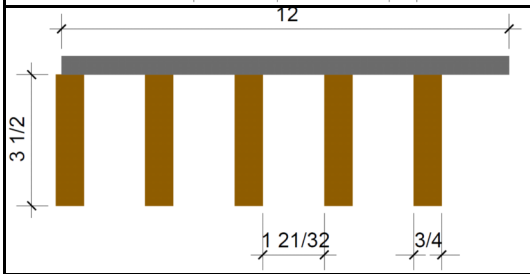
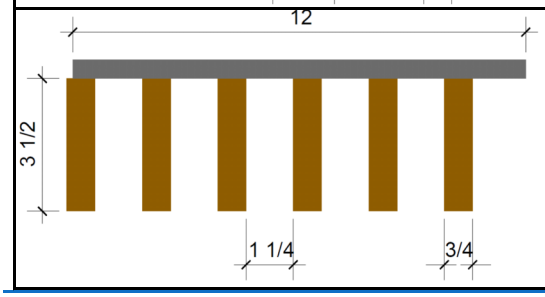
The modules to be laid into a suspended ceiling system are available in 24''x24'', 24''x48'', and in custom sizes.

CUSTOM MODELS ALSO AVAILABLE

Cross-sectional view (dimensions in inches)	Model	Slat Dimensions		Between slats	Number of slats	Open area %	Weight lb/sf
		Width	Height				
	ADG37-19-6	3/4"	1 1/2"	1-1/4"	6	58%	
	ADG37-19-8	3/4"	1 1/2"	3/4"	8	46%	
	ADG62-19-4	3/4"	2 1/4"	2-1/4"	4	69%	
	ADG62-19-5	3/4"	2 1/4"	1-21/32"	5	63%	
	ADG62-19-6	3/4"	2 1/4"	1-1/4"	6	58%	

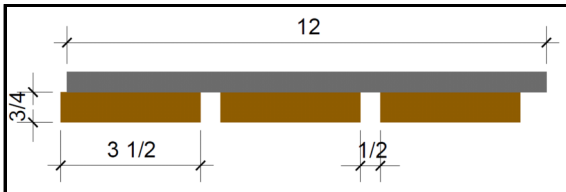
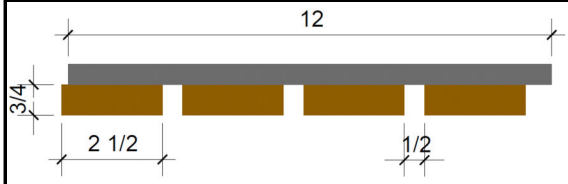
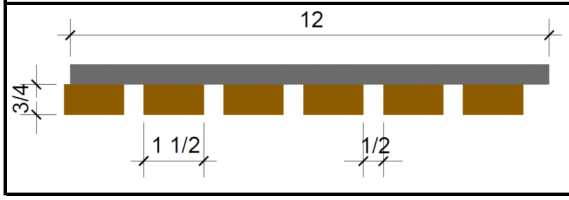
* Modules with nominal lengths of 48, 72, and 96 inches have actual lengths of 47, 71, and 95 inches, respectively, due to a 1-inch spacing between each module along the length.

GRILLE MODULES WITH VERTICAL SLATS (continued)

Cross-sectional view (dimensions in inches)	Model	Slat Dimensions		Between slats	Number of slats	Open area %	Weight lb/sf
		Width	Height				
	ADG75-19-4	3/4"	3"	2-1/4"	4	69%	
	ADG75-19-5	3/4"	3"	1-21/32"	5	63%	
	ADG75-19-6	3/4"	3"	1-1/4"	6	58%	
	ADG87-19-4	3/4"	3 1/2"	2-1/4"	4	69%	
	ADG87-19-5	3/4"	3 1/2"	1-21/32"	5	63%	
	ADG87-19-6	3/4"	3 1/2"	1-1/4"	6	58%	

GRILLE MODULES WITH HORIZONTAL SLATS

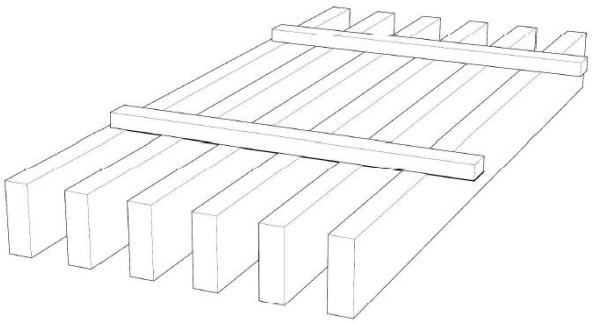
CUSTOM MODELS ALSO AVAILABLE

Cross-sectional view (dimensions in inches)	Model	Slat Dimensions		Between slats	Number of slats	Open area %	Weight lb/sf
		Width	Height				
	ADG19-89-3	3-1/2"	3/4"	1/2"	3	12%	
	ADG19-64-4	2-1/2"	3/4"	1/2"	4	16%	
	ADG19-38-6	1-1/2"	3/4"	1/2"	6	24%	

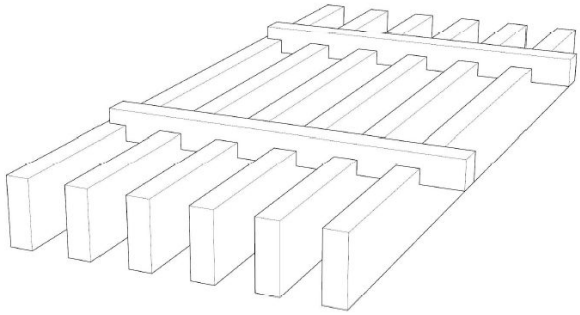
AVAILABLE BACKERS

AD-Grille products can be constructed with the following backers :

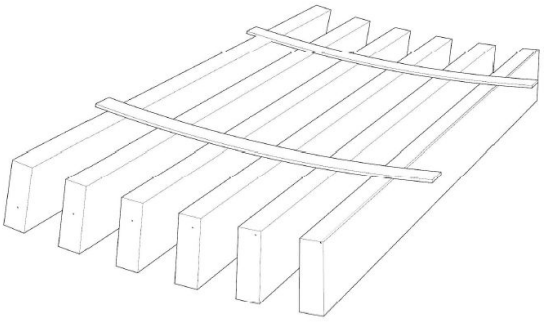
Straight Backers



Notched Backers



Flexible Plastic Backers



Straight backers are the most commonly used and are suitable for most installations. We recommend notched backers for custom products with slats taller than those in our standard range.

Flexible backers are ideal for custom installations with curved designs.

AVAILABLE FINISHES (subject to change without notice)

Solid wood slats or natural wood veneer slats, finished with varnish. Available wood species:

- Maple
- Oak (red and white)
- Walnut
- Poplar
- Other wood species available upon request.

Upon request, wood slats can be stained. Three standard stain colors are offered: Camel, Taupe, and Espresso. Custom color development services are also available.

- Painted slats (opaque colors):
  Color options available from the Benjamin Moore, Sherwin Williams, and Sico color ranges.

TECHNICAL SPECIFICATIONS

Components:	• Wood slats: Solid wood or MDF substrate covered with a hardwood veneer (0.6 mm thick). • Backers: Solid wood or cherry plywood, painted or stained (black or a custom color).
Flame spread index:	• Solid wood slats: wood treated with intumescent coating (paint) CAN/ULC S102 — Class A, with a flame spread index of 25 or less. • MDF substrate for veneered slats: CAN/ULC S102 — Class A, 25 or less. Also available upon request: CAN/ULC S102 — Class C, 150 or less. • Acoustic felts: CAN/ULC S102 — Class A, 25 or less.
Overall NRC in a ceiling installation:	• Can reach up to 0.90—depending primarily on the installation of an acoustic absorber material behind the grille modules in the plenum. Please contact us to discuss suitable acoustic options based on your desired layout.
Recycled content:	• For veneered wood slats only — Structure: pre-consumer recycled content: 81.2% – 85.0%, post-consumer recycled content: 0%.
Weight per ft²:	• Varies from 0.8 to 5.2 lbs/ft² depending on the model.
Optional acoustic felt:	• The option of acoustic felt fixed behind the wood slats (between the slats and the backers) is available in three thicknesses: 1mm, 6mm, and 12mm.
T-bar suspension system required for ceiling installation:	• An exposed 15/16” heavy-duty T-bar suspension system capable of supporting the weight of the selected model is required—please refer to the suspension system manufacturers’ technical datasheets. We recommend Chicago Metallic heavy-duty suspension systems by Rockfon, although systems from several other manufacturers may also be suitable. For seismic installations, a seismic-rated suspension system is required. • We recommend using black rails if the grilles are specified with standard-colored (black) backers. If the product includes acoustic felt, it will conceal the exposed T-bars of the suspension system.

PRODUCT INSTALLATION

CEILING

There are two main alternatives for installing AD-Grille Accent Digital panels under an exposed T-bar suspended ceiling structure

Alternative 1
Screw the backers directly into the main rails of the T-bar suspension system every 50 mm (2”) on center, using black screws. If the screws are not self-drilling, pre-drill the backers with a drill to prevent the wood from splitting.

This alternative suits the majority of installations and is generally more cost-effective than Alternative 2.

Alternative 2
Depending on the suspension system installed, T-bar hooks or torsion spring clips may be used. Refer to the manufacturers’ recommendations for these hardware components.

Laid into an exposed T-bar suspended ceiling structure.
The modules are simply laid on the suspension T-bars. They can easily be removed to access the plenum above.

WALLS

For wall installation, the product must be fastened by screwing through the backers into a solid nailing substrate (e.g., wood furring strips installed perpendicular). If the screws are not self-drilling, pre-drill the backers with a drill to prevent splitting.