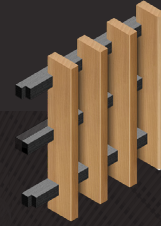


# GRILLES DATA SHEET

SYSTEM: GRILLES | STYLE: DURA GRILLES



An innovative but timeless wood panel system manufactured with perfectly aligned and spaced wood strips and endless customization options.



The Dura Grille system is a ladder-like system with equally-spaced wood blades, a rigid backer system, and manageable panel sizes. Panels consist of multiple solid wood or veneer blades assembled by way of perpendicular woodbackers and durabackers and are typically 12" or 24" wide and 3'-10' long (nominal). Blade size and spacing is fully customizable. Dura Grilles are installed sequentially onto standard heavy duty grid for ceiling applications or direct attached to furring strips for wall applications.

Dura Grilles are available in solid wood or veneer and are specified as **DG C-T-H X**.



## DESIGN

Dura Grilles are produced in St. Augustine, FL. For ceiling applications, [Woodbacker Clips<sup>+</sup>](#) or screws are used to suspend panels from heavy duty grid. Direct screw attachment is suggested for wall attachment. [Primary Access Panels<sup>!</sup>](#) can be coordinated with MEP locations and cut in-field. In-factory cutouts can be achieved through coordination with the [Integrated Lighting<sup>®</sup>](#) program at Rulon.



## ACOUSTICS

Dura Grilles are manufactured with or without fabric backing, allowing sound to pass to the plenum. Dura Grilles are considered **acoustically transparent**.



## FIRE PERFORMANCE

Dura Grilles can meet **Class A** fire performance requirements. Solid wood is treated to ASTM E84, while veneers on fire-rated cores are tested to ASTM E2768.



## SUSTAINABILITY

Dura Grilles contribute to sustainability initiatives like **WELL** and **LEED** through FSC compliance, NAF cores, HPDs, EPDs, and Indoor Advantage Gold certification.



## SEISMIC

Dura Grilles meet code compliance via **direct screw attachment** to heavy duty grid. Local code should be consulted to determine additional seismic requirements.



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# SPECIFICATION

## COMPONENTS

### HANGERS

#12- gauge wire hangers, braided wire, or aircraft cable (contractor-supplied).

### SUSPENSION SYSTEM

Ceiling panels should be suspended using standard 15/16" [24 mm] heavy duty grid (contractor-supplied). Tegular or Lay-in ceilings may be suspended using standard 9/16" [14 mm] medium duty or 15/16" [24 mm] heavy duty grid (contractor-supplied).

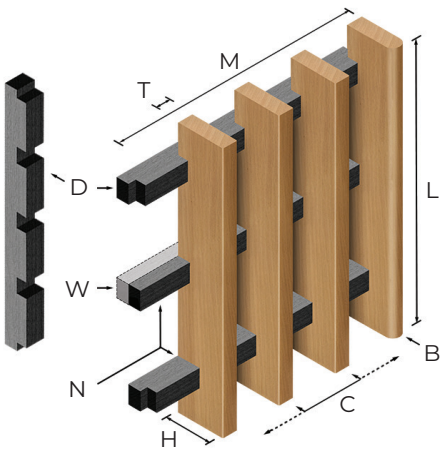
### SYSTEM PROFILES & DIMENSIONS

Dura Grille profiles are defined as **DG C-T-H X** and are determined by three variables and letter designation(s): Number of blades per foot (C), blade thickness (T), and depth of the blades (H) (measured in 16ths of an inch) followed by letter designation(s) (X) that determine assembly.

PANEL [DG C-T-H X]		TYPES [DG C-T-H X]	
M (MODULE WIDTH)	12", 24"	NOTCHED	N
C (BLADE COUNT/FT) <sup>3</sup>	2 - 6	BULLNOSED	B
L (LENGTH) <sup>2</sup>	3' - 10'	FABRIC-BACKED <sup>1</sup>	F

BLADES (16ths) [DG C-T-H X]		BACKER TYPE	
T (THICKNESS) <sup>3</sup>	3/4", 1-1/4", 1-5/16"	WOODBACKEK	W
H (HEIGHT) <sup>3</sup>	2" - 5-1/4"	DURABACKEK	D

<sup>1</sup>Fabric - Only available in 'N' notched  
<sup>2</sup>Length - 1"/0.5" shy of even foot for solid/veneer panels  
<sup>3</sup>Count/Thickness/Height - Consult standard size table



The [standard profiles table](#) should be consulted for specific size and spacing standards.

### MODULES & SYSTEM CONSTRUCTION

Dura Grilles are assembled in 1' [305 mm] or 2' [610mm] widths and in lengths of 3' [914 mm] to 10' [3048 mm] (nominal, available in 1' [305 mm] increments). Nominal panel lengths are 1" shorter than each even foot for solid wood and 1/2" shorter for veneers to account for expansion/contraction. Wood strips are manufactured without finger joints and are fastened together alternating woodbackers and durabackers, positioned 12" [305 mm] on center, starting 5-1/2" [140 mm] from the end of the Dura Grille. Woodbackers and durabackers are flat black.

## INSTALLATION

### ATTACHMENT

Ceiling panels may be suspended from grid using [Woodbacker Clips<sup>®</sup>](#) (see drawing D-142). Ceiling panels may also be directly screwed to grid from above (see drawing GWCXX012) or below. Wall panels may be direct screw attached.

### SPECIAL CONDITIONS

Ceiling termination at a wall or soffit is accomplished with various trims (for example, see drawing D-120).

# SPECIFICATION

## WOOD SELECTIONS

### WOOD SPECIES

Dura Grilles may be specified in a variety of wood species. Current standard wood species are: Ash, Maple, Red Oak, White Oak, Beech, Poplar, and Cherry. [Thermally Modified<sup>1</sup>](#) wood species are also available. Premium veneers and non-wood laminates are available.

### TEXTURES

Standard surface texture is smooth-sawn. Faces are sanded.

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## FINISHES

### WOOD FINISHES

Standard finishes include 20-sheen clear (satin) and 5-sheen clear (matte). A full range of standard colors can be found at [rulonco.com/colorselections](http://rulonco.com/colorselections). Custom stains, opaque or semi-transparent colors are also available. All finishes are water based, low VOC-emitting, and do not contain solvents.

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## SHIPPING & STORAGE

### SHIPPING

Dura Grilles are shipped wrapped in shrink wrap packaging, with no more than two (2) Dura Grilles per bundle. Dura Grille backs are placed together to prevent marring of faces.

### STORAGE

Dura Grilles shall be stored flat and level, in a fully enclosed space away from sunlight or moisture. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the packaging shall be opened and the panels shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. Panels must be stored off the floor.

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## COORDINATION

### TEMPERATURE & HUMIDITY

Dura Grilles shall be installed only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. Heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25 and 55 percent, and a temperature between 60 to 90 degrees F.

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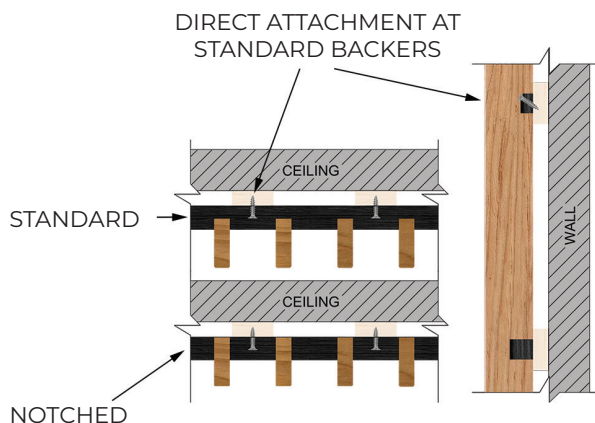
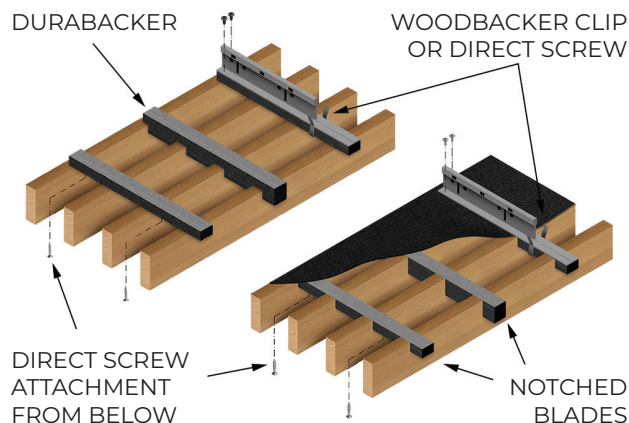
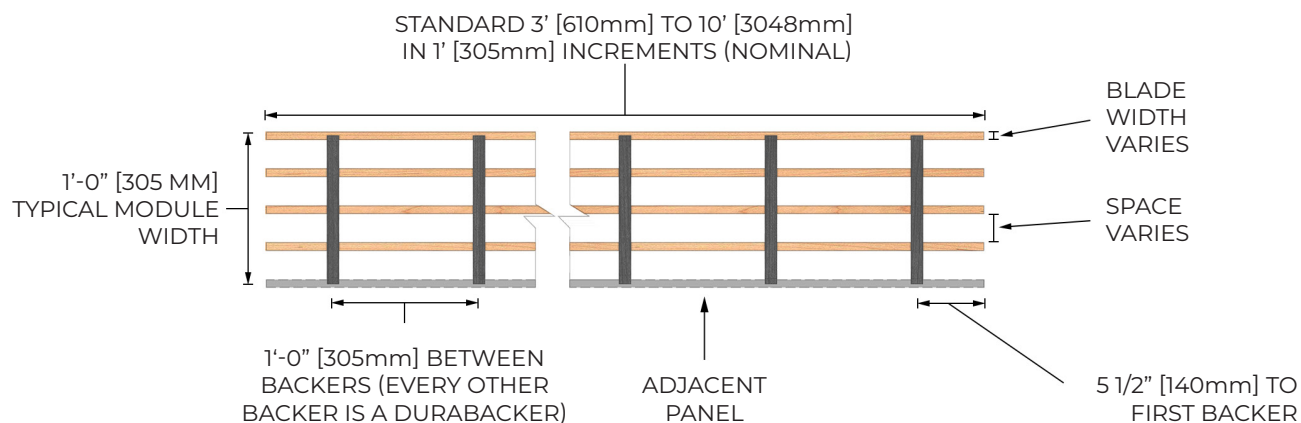
# SPECIFICATION

## NOTES

### SPECIAL NOTES

- ▯ The Integrated Lighting program at Rulon is an effort to coordinate MEPs more effectively and provide for a more streamlined process of integration. In practice, this effort begins with factory cutouts to accommodate light fixtures.
- ▮ Primary Access Panels are sections of a system that have been removed and assembled into a lift & shift panel for required-access locations.
- ▮ Thermally modified wood has been altered by a controlled process called pyrolysis which induces chemical changes to the cellular structure of the cell wall components of the wood material through heat to increase durability, shrink/swell factor, and biological resistance.
- ▮ Woodbacker Clips are spring clips that wrap around the woodbacker and attach to heavy duty grid. The clips are made of spring-steel with phosphate pre-treatment and corrosion-resistant coating.

## TYPICAL DETAILS



# STANDARD PROFILES TABLE

DEPTH		PROFILES							
Blade Depth		Blade Thickness							
		12 [3/4"] (12 [3/4"] for Veneer)					20 [1-1/4"] (21 [1-5/16"] for Veneer)		
		Number of Blades (Per Foot)					Number of Blades (Per Foot)		
		2	3	4	5	6	2	3	4
32	2"	DG 2-12-32 N B F	DG 3-12-32 N B F	DG 4-12-32 N B F	DG 5-12-32 N B F	DG 6-12-32 N B F	DG 2-20-32 N B F	DG 3-20-32 N B F	DG 4-20-32 N B F
37	2 5/16"	DG 2-12-37 N B F	DG 3-12-37 N B F	DG 4-12-37 N B F	DG 5-12-37 N B F	DG 6-12-37 N B F	DG 2-20-37 N B F	DG 3-20-37 N B F	DG 4-20-37 N B F
48	3"	DG 2-12-48 N B F	DG 3-12-48 N B F	DG 4-12-48 N B F	DG 5-12-48 N B F	DG 6-12-48 N B F	DG 2-20-48 N B F	DG 3-20-48 N B F	DG 4-20-48 N B F
52	3 1/4"	DG 2-12-52 N B F	DG 3-12-52 N B F	DG 4-12-52 N B F	DG 5-12-52 N B F	DG 6-12-52 N B F	DG 2-20-52 N B F	DG 3-20-52 N B F	DG 4-20-52 N B F
56	3 1/2"	DG 2-12-56 N B F	DG 3-12-56 N B F	DG 4-12-56 N B F	DG 5-12-56 N B F	DG 6-12-56 N B F	DG 4-20-56 N B F	DG 3-20-56 N B F	DG 4-20-56 N B F
60	3 3/4"	DG 4-12-60 N B F	DG 3-12-60 N B F	DG 4-12-60 N B F	DG 5-12-60 N B F	DG 6-12-60 N B F	DG 2-20-60 N B F	DG 3-20-60 N B F	DG 4-20-60 N B F
64	4"	DG 2-12-64 N B F	DG 3-12-64 N B F	DG 4-12-64 N B F	DG 5-12-64 N B F	DG 6-12-64 N B F	DG 2-20-64 N B F	DG 3-20-64 N B F	DG 4-20-64 N B F
72	4 1/2"	DG 2-12-72 N B F	DG 3-12-72 N B F	DG 4-12-72 N B F	DG 5-12-72 N B F	DG 6-12-72 N B F	DG 2-20-72 N B F	DG 3-20-72 N B F	DG 4-20-72 N B F
80	5"	DG 2-12-80 N B F	DG 3-12-80 N B F	DG 4-12-80 N B F	DG 5-12-80 N B F	DG 6-12-80 N B F	DG 2-20-80 N B F	DG 3-20-80 N B F	DG 4-20-80 N B F
84	5 1/4"	DG 2-12-84 N B F	DG 3-12-84 N B F	DG 4-12-84 N B F	DG 5-12-84 N B F	DG 6-12-84 N B F	DG 2-20-84 N B F	DG 3-20-84 N B F	DG 4-20-84 N B F

## Important information in regards to profile/module sizing:

- Some profile designations are specific to ceilings or walls. Please contact your local sales rep for more information.
- Dura Grilles are also available in custom profile and module sizes. Please contact your local sales rep for more information.
- Dura Grilles in profile depths of 32 (2") and 37 (2 5/16") are available in solid wood only.
- Dura Grilles in profile thicknesses of 20 (1 1/4") are manufactured from solid wood. When specified as a veneer, the thickness is 21 (1 5/16").
- Some profile designations are not available in some situations:
  - "F" fabric-backed Dura Grilles are only available in "N" notched
  - "B" bullnosed Dura Grilles are only available in solid wood