METALWORKS™ PERFORATIONS Capabilities

Inspiring Great Spaces®

Armstrong® CEILING & WALL SOLUTIONS
What inspires you to add character to your ceiling designs using negative space? Could it be the intricacy of an antique Persian lantern? Or the simple visual found on a pegboard. No matter what sparks your imagination, there are a variety of perforation options from standard to custom that allow you to tell your design story.

Now, introducing MetalWorks™ Create!™ panels. Create a unique ceiling visual using your own images or artwork!
Something to talk ABOUT

Count on our You Inspire™ Solutions Center design support to bring your one-of-a-kind ideas to life... from initial design, to product selection, integration with installation and accessories, customization, and specification to achieve the best possible finished installation. Ideal for architects and contractors who require unique solutions for perforated ceilings and walls.

▼ MetalWorks ™ panels with custom perforations
△ MetalWorks™ RH 200; Polycom, Andover, MA; Perkins + Will, Boston, MA
MetalWorks™ Torsion Spring; Kettle Moraine School District, Delafield, WI; Eppstein Uhen Architects, Milwaukee, WI
MetalWorks™ Torsion Spring; Etihad Airways, Jamaica Queens, NY; Gensler
Top left: MetalWorks™ Torsion Spring
Middle left: MetalWorks™ 3D
Bottom left: MetalWorks™ WH-1000

Top middle: MetalWorks™ Snap-in
Middle: MetalWorks™ Tegular
Bottom middle: MetalWorks™ Clip-on

Top right: MetalWorks™ RH200
Middle right: MetalWorks™ RH215
Bottom right: MetalWorks™ DH700
METALWORKS™ Create!™ Torsion Spring panels

METALWORKS™ Create!™
Perforated Ceiling and Wall Panels
- Transform your images onto custom perforated metal panels
- Available in custom perforated panel sizes and colors
- Available for Torsion Spring, Snap-In, Clip-On, RH200/RH215, and WH1000/WH1100 metal ceilings

A unique visual with acoustical performance
**METALWORKS™**

Perforation Options for Ceiling and Wall Panels

### Standard Perforations

**M3**

*Extra Microperforated (Rg 0701)*

- **Pattern Type:** Round-Straight
- **Hole Size:** 0.7mm [0.028”]
- **% Open Area:** 1.0%

*Standard on:* MetalWorks™ Tegular, MetalWorks™ Vector®, MetalWorks Tin, MetalWorks Canopies, MetalWorks Tin infills for Metaphors® Coffers

**M10 (Rg 2516)**

- **Pattern Type:** Round-Straight
- **Hole Size:** 2.5mm [0.098”]
- **% Open Area:** 16.0%

*Standard on:* MetalWorks™ Capz™, MetalWorks Concealed

**M14 (Rg 3205)**

- **Pattern Type:** Round-Straight
- **Hole Size:** 3.18mm [0.125”]
- **% Open Area:** 5.0%

*Standard on:* MetalWorks Torsion Spring, MetalWorks Snap-in, MetalWorks Clip-On

**M16S (Rg 1604)**

- **Pattern Type:** Round-Straight
- **Hole Size:** 1.58mm [0.062”]
- **% Open Area:** 2.0%

**M19 (Rg 3220)**

- **Pattern Type:** Round-Straight
- **Hole Size:** 3.2mm [0.125”]
- **% Open Area:** 20.0%

*Standard on:* MetalWorks Torsion Spring, MetalWorks Snap-in, MetalWorks Clip-On

**M15 (Rd 1612)**

- **Pattern Type:** Round-Diagonal
- **Hole Size:** 1.6mm [0.062”]
- **% Open Area:** 12.0%

*Standard on:* MetalWorks™ Torsion Spring, MetalWorks Snap-in, MetalWorks Tegular for TechZone®, MetalWorks™ Blades™, MetalWorks 3D, MetalWorks Clip-On
For technical assistance with custom design options and perforations, contact the You Inspire™ Solutions Center at solutionscenter@armstrongceilings.com

Key for Perforation Names (Example: Rg 0701)
- Rg = Hole shape (round/straight)
- 07 = Diameter of hole size in mm (Example: 0.7 mm)
- 01 = % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types
- Bg = oblong/straight
- Qg = square/straight
- Bv = oblong/staggered
- Rd = round/diagonal
- Lg = rectangle/straight
- Rg = round/straight
- Lr = rectangle/staggered
- Rv = round/staggered
- Qd = square/diagonal

M2 Microperforated (Rd 1518)
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 1.5mm [0.059”]
% OPEN AREA: 18.0%

Standard on: MetalWorks Tegular, MetalWorks Vector, MetalWorks Linear, MetalWorks Plank, MetalWorks Canopies, MetalWorks infills for Metaphors Coffers

M16 (Rd 1607)
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 1.6mm [0.062”]
% OPEN AREA: 7.0%

Standard on: MetalWorks Torsion Spring, MetalWorks Snap-in, MetalWorks Clip-On

M17 (Rv 3223)
PATTERN TYPE: Round-Staggered
HOLE SIZE: 3.2mm [0.125”]
% OPEN AREA: 23.0%

Standard on: MetalWorks Torsion Spring, MetalWorks Snap-in, MetalWorks Clip-On

MetalWorks™ Vector®; Lovefield Airport, Dallas, TX; Corgan Architects, Dallas, TX
**METALWORKS™**

Perforation Options for Ceiling and Wall Panels

**Premium Perforations**

**M11S (Rg 4029)**
- **Pattern Type:** Round-Straight
- **Hole Size:** 4.1mm [0.161"]
- **% Open Area:** 29.5%

**M26 (Rg 1421)**
- **Pattern Type:** Round-Straight
- **Hole Size:** 14.2mm [0.560"]
- **% Open Area:** 21.0%

**M28 (Rd 1625)**
- **Pattern Type:** Round-Diagonal
- **Hole Size:** 1.6mm [0.063"]
- **% Open Area:** 25.0%

**M12 (Rd 1820)**
- **Pattern Type:** Round-Diagonal
- **Hole Size:** 1.8mm [0.071"]
- **% Open Area:** 20.0%

**M21 (Rd 1905)**
- **Pattern Type:** Round-Diagonal
- **Hole Size:** 1.91mm [0.075"]
- **% Open Area:** 5.0%
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<table>
<thead>
<tr>
<th>Pattern Name</th>
<th>Pattern Type</th>
<th>Hole Size</th>
<th>% Open Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>M24 (Rd 3239)</td>
<td>Round-Diagonal</td>
<td>3.18mm [.125&quot;]</td>
<td>39.0%</td>
</tr>
<tr>
<td>M29 (Rd 1242)</td>
<td>Round-Diagonal</td>
<td>12.7mm [.500&quot;]</td>
<td>42.0%</td>
</tr>
<tr>
<td>M9S (Rv 3020)</td>
<td>Round-Staggered</td>
<td>3.0mm [.118&quot;]</td>
<td>20.0%</td>
</tr>
<tr>
<td>M27 (Qg 1218)</td>
<td>Square-Straight</td>
<td>12.7mm x 12.7mm [.500&quot; x .500&quot;]</td>
<td>18.0%</td>
</tr>
</tbody>
</table>

Key for Perforation Names (Example: Rg 0701)
- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types
- **Bg**: oblong/straight
- **Qg**: square/straight
- **Rv**: oblong/staggered
- **Rd**: round/diagonal
- **Lg**: rectangle/straight
- **Rg**: round/straight
- **Lv**: rectangle/staggered
- **Rv**: round/staggered
- **Qd**: square/diagonal
M25 (Qg 1945)
PATTERN TYPE: Square-Straight
HOLE SIZE: 19.04mm x 19.04mm (.750” x .750”)
% OPEN AREA: 44.0%

M5 (Lg 16032)
PATTERN TYPE: Rectangle-Straight
HOLE SIZE: 2.01mm x 16.0mm (.079” x .630”)
% OPEN AREA: 32.0%
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Key for Perforation Names (Example: Rg 0701)
- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

**M23 (Lg 25420)**
- **PATTERN TYPE**: Rectangle-Straight
- **HOLE SIZE**: 3.175mm x 25.4mm [.125” x 1.00”]
- **% OPEN AREA**: 20.0%

**M22 (Bv 25422)**
- **PATTERN TYPE**: Oblong-Staggered
- **HOLE SIZE**: 3.18mm x 25.4mm [.125” x 1.00”]
- **% OPEN AREA**: 22.0%

Minimum unperforated border will vary according to panel size.

Key for Perforation Types
- **Bv** = oblong/staggered
- **Bv** = oblong/staggered
- **Lg** = rectangle/staggered
- **Rd** = round/diagonal
- **Rg** = round/straight
- **Lv** = rectangle/staggered
- **Qd** = square/diagonal
- **Qg** = square/straight

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METALWORKSTM
Perforation Options for Ceiling and Wall Panels

Custom Perforations

Rg 1520
PATTERN TYPE: Round-Straight
HOLE SIZE: 15.9mm [0.625”]
% OPEN AREA: 20.0%

Rg 9611
PATTERN TYPE: Round-Straight
HOLE SIZE: 9.5mm [0.375”]
% OPEN AREA: 11.0%

Rg 1120
PATTERN TYPE: Round-Straight
HOLE SIZE: 11.1mm [0.438”]
% OPEN AREA: 20.0%

Rg 9609
PATTERN TYPE: Round-Straight
HOLE SIZE: 9.5mm [0.375”]
% OPEN AREA: 9.0%

Rg 9618
PATTERN TYPE: Round-Straight
HOLE SIZE: 9.5mm [0.375”]
% OPEN AREA: 18.0%

Rg 9605
PATTERN TYPE: Round-Straight
HOLE SIZE: 9.5mm [0.375”]
% OPEN AREA: 5.0%
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Key for Perforation Names (Example: Rg 0701)
- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types
- Bg = oblong/straight
- Qg = square/straight
- Bv = oblong/staggered
- Rd = round/diagonal
- Lg = rectangle/straight
- Rg = round/straight
- Lv = rectangle/staggered
- Rv = round/staggered
- Qd = square/diagonal
METALWORKS™
Perforation Options for Ceiling and Wall Panels

Custom Perforations

**Rg 4820**
**Pattern Type:** Round-Straight
**Hole Size:** 4.7mm [0.188”]
**% Open Area:** 20.0%

**Rg 3213**
**Pattern Type:** Round-Straight
**Hole Size:** 3.18mm [0.125”]
**% Open Area:** 13.0%

**Rg 4814**
**Pattern Type:** Round-Straight
**Hole Size:** 4.7mm [0.188”]
**% Open Area:** 14.0%

**Rg 2807**
**Pattern Type:** Round-Straight
**Hole Size:** 2.77mm [0.109”]
**% Open Area:** 7.0%

**Rg 3206**
**Pattern Type:** Round-Straight
**Hole Size:** 3.18mm [0.125”]
**% Open Area:** 6.0%

**Rg 3213**
**Pattern Type:** Round-Straight
**Hole Size:** 3.18mm [0.125”]
**% Open Area:** 13.0%

**Rg 2420**
**Pattern Type:** Round-Straight
**Hole Size:** 2.39mm [0.094”]
**% Open Area:** 20.0%
Key for Perforation Names (Example: Rg 0701)

- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types

- **Bg**: oblong/straight
- **Qg**: square/straight
- **Bv**: oblong/staggered
- **Rd**: round/diagonal
- **Lg**: rectangle/straight
- **Rg**: round/straight
- **Lv**: rectangle/staggered
- **Rv**: round/staggered
- **Qd**: square/diagonal

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**Rg 2414**

**_PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 2.39mm [0.094"]  
**% OPEN AREA:** 14.0%

**Rg 1906**

**_PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 1.98mm [0.078"]  
**% OPEN AREA:** 6.0%

**Rg 2405**

**_PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 2.39mm [0.094"]  
**% OPEN AREA:** 3.0%

**Rg 1902**

**_PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 1.91mm [0.075"]  
**% OPEN AREA:** 2.0%

**Rg 1810**

**_PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 1.80mm [0.071"]  
**% OPEN AREA:** 10.0%

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Custom Perforations

**Rg 1606**  
**PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 1.57mm [0.062"]  
**% OPEN AREA:** 6.0%

**Rv 6330**  
**PATTERN TYPE:** Round-Staggered  
**HOLE SIZE:** 6.35mm [0.250"]  
**% OPEN AREA:** 30.0%

**Rg 1602**  
**PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 1.57mm [0.062"]  
**% OPEN AREA:** 2.0%

**Rv 6323**  
**PATTERN TYPE:** Round-Staggered  
**HOLE SIZE:** 6.35mm [0.250"]  
**% OPEN AREA:** 23.0%

**Rg 1502**  
**PATTERN TYPE:** Round-Straight  
**HOLE SIZE:** 11.1mm [0.059"]  
**% OPEN AREA:** 2.0%

**Rv 4823**  
**PATTERN TYPE:** Round-Staggered  
**HOLE SIZE:** 4.78mm [0.188"]  
**% OPEN AREA:** 23.0%
Rv 2423
PATTERN TYPE: Round-Staggered
HOLE SIZE: 2.3mm [.094”]
% OPEN AREA: 23.0%

Rd 1139
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 11.1mm [.438”]
% OPEN AREA: 39.0%

Rd 1539
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 15.8mm [.625”]
% OPEN AREA: 39.0%

Rd 1441
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 14.2mm [.560”]
% OPEN AREA: 41.0%

Rd 9622
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 9.50mm [.375”]
% OPEN AREA: 22.0%

Rd 9617
PATTERN TYPE: Round-Diagonal
HOLE SIZE: 9.50mm [.375”]
% OPEN AREA: 17.0%

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Key for Perforation Names (Example: Rg 0701)
Rg Hole shape (round/straight)
07 Diameter of hole size in mm (Example: 0.7 mm)
01 % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types
Bg = oblong/straight   Qg = square/straight
Br = oblong/staggered  Rd = round/diagonal
Lg = rectangle/straight  Rg = round/straight
Lv = rectangle/staggered  Rv = round/staggered
Qd = square/diagonal
**METALWORKS™**

Perforation Options for Ceiling and Wall Panels

Custom Perforations

<table>
<thead>
<tr>
<th>Pattern Type</th>
<th>Hole Size</th>
<th>% Open Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rd 9609</td>
<td>9.50mm [.375&quot;]</td>
<td>9.0%</td>
</tr>
<tr>
<td>Rd 6350</td>
<td>6.35mm [.250&quot;]</td>
<td>50.0%</td>
</tr>
<tr>
<td>Rd 7944</td>
<td>7.92mm [.312&quot;]</td>
<td>44.0%</td>
</tr>
<tr>
<td>Rd 6339</td>
<td>6.35mm [.250&quot;]</td>
<td>39.0%</td>
</tr>
<tr>
<td>Rd 7927</td>
<td>7.92mm [.312&quot;]</td>
<td>27.0%</td>
</tr>
<tr>
<td>Rd 6323</td>
<td>6.35mm [.250&quot;]</td>
<td>23.0%</td>
</tr>
</tbody>
</table>
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Key for Perforation Names (Example: Rg 0701)
- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

Key for Perforation Types
- **Bg**: oblong/straight
- **Qg**: square/straight
- **Bv**: oblong/staggered
- **Rd**: round/diagonal
- **Lg**: rectangle/straight
- **Rg**: round/straight
- **Lv**: rectangle/staggered
- **Rv**: round/staggered
- **Qd**: square/diagonal

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**Rd 6320**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 6.35mm [.250"]
- **% Open Area**: 20.0%

**Rd 3226**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 3.18mm [.125”]
- **% Open Area**: 26.0%

**Rd 4840**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 4.78mm [.188”]
- **% Open Area**: 40.0%

**Rd 3213**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 3.18mm [.125”]
- **% Open Area**: 13.0%

**Rd 4829**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 4.78mm [.188”]
- **% Open Area**: 29.0%

**Rd 2813**
- **Pattern Type**: Round-Diagonal
- **Hole Size**: 2.77mm [.109”]
- **% Open Area**: 13.0%
Custom Perforations

**METALWORKS™**

Perforation Options for Ceiling and Wall Panels

(M28S) (Rd 2428)
- **PATTERN TYPE:** Round-Diagonal
- **HOLE SIZE:** 2.39mm [0.094”]
- **% OPEN AREA:** 28.0%

Qg 1965
- **PATTERN TYPE:** Square-Straight
- **HOLE SIZE:** 19.5mm [0.750”] x 19.5mm [0.750”]
- **% OPEN AREA:** 65.0%

Rd 2410
- **PATTERN TYPE:** Round-Diagonal
- **HOLE SIZE:** 2.39mm [0.094”]
- **% OPEN AREA:** 10.0%

Qg 1265
- **PATTERN TYPE:** Square-Straight
- **HOLE SIZE:** 12.7mm [0.500”] x 12.7mm [0.500”]
- **% OPEN AREA:** 65.0%

Rd 1912
- **PATTERN TYPE:** Round-Diagonal
- **HOLE SIZE:** 1.98mm [0.078”]
- **% OPEN AREA:** 12.0%

(M13S) (Qg 9636)
- **PATTERN TYPE:** Square-Straight
- **HOLE SIZE:** 9.5mm [0.375”] x 9.5mm [0.375”]
- **% OPEN AREA:** 36.0%
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### Key for Perforation Names (Example: Rg 0701)
- **Rg**: Hole shape (round/straight)
- **07**: Diameter of hole size in mm (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

### Key for Perforation Types
- **Bg**: oblong/straight
- **Qg**: square/straight
- **Bv**: oblong/staggered
- **Rd**: round/diagonal
- **Lg**: rectangle/straight
- **Rg**: round/straight
- **Lv**: rectangle/staggered
- **Rv**: round/staggered
- **Qd**: square/diagonal

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**Qg 6348**
- **Pattern Type**: Square-Straight
- **Hole Size**: 6.35mm [0.250"] x 6.35mm [0.250"]
- **% Open Area**: 48.0%

**Qg 6325**
- **Pattern Type**: Square-Straight
- **Hole Size**: 6.35mm [0.250"] x 6.35mm [0.250”]
- **% Open Area**: 25.0%

**Qg 6311**
- **Pattern Type**: Square-Straight
- **Hole Size**: 6.35mm [0.250"] x 6.35mm [0.250”]
- **% Open Area**: 11.0%

**Qg 5025**
- **Pattern Type**: Square-Straight
- **Hole Size**: 5mm [0.197"] x 5mm [0.197”]
- **% Open Area**: 25.0%

**Qg 6311**
- **Pattern Type**: Square-Straight
- **Hole Size**: 6.35mm [0.250"] x 6.35mm [0.250”]
- **% Open Area**: 11.0%

**M6S (Qg 5025)**
- **Pattern Type**: Square-Straight
- **Hole Size**: 5mm [0.197"] x 5mm [0.197”]
- **% Open Area**: 25.0%

**Qg 5015**
- **Pattern Type**: Square-Straight
- **Hole Size**: 5mm [0.197"] x 5mm [0.197”]
- **% Open Area**: 15.0%
METALWORKS™
Perforation Options for Ceiling and Wall Panels

Custom Perforations

Qd 1235
PATTERN TYPE: Square-Diagonal
HOLE SIZE: 12.7mm [0.500"] x 12.7mm [0.500”]
% OPEN AREA: 35.0%

Lg 19120
PATTERN TYPE: Rectangle-Straight
HOLE SIZE: 2.36mm [.093"] x 19.1mm [.750”]
% OPEN AREA: 20.0%

Qd 6322
PATTERN TYPE: Square-Diagonal
HOLE SIZE: 6.35mm [.250"] x 6.35mm [.250”]
% OPEN AREA: 22.0%

Lg 16016
PATTERN TYPE: Rectangle-Straight
HOLE SIZE: 2.01mm [.079"] x 16.0mm [.630”]
% OPEN AREA: 16.0%

Lg 25427
PATTERN TYPE: Rectangle-Straight
HOLE SIZE: 3.18mm [.125"] x 25.4mm [1.00”]
% OPEN AREA: 27.0%

Lg 16008
PATTERN TYPE: Rectangle-Straight
HOLE SIZE: 2.01mm [.079"] x 16.0mm [.630”]
% OPEN AREA: 8.0%
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**Key for Perforation Names (Example: Rg 0701)**
- **Rg**: Hole shape (round/straight)
- **Diameter of hole size in mm**: (Example: 0.7 mm)
- **01**: % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.

**Key for Perforation Types**
- **Bg** = oblong/straight
- **Qg** = square/straight
- **Bv** = oblong/staggered
- **Rd** = round/diagonal
- **Lg** = rectangle/straight
- **Rg** = round/straight
- **Lv** = rectangle/staggered
- **Qd** = square/diagonal

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**Lv 25439**
- **Pattern Type**: Rectangle-Staggered
- **Hole Size**: 3.18mm [0.125"] x 25.4mm [1.00"]
- **% Open Area**: 39.0%

**Bg 25432**
- **Pattern Type**: Oblong-Straight
- **Hole Size**: 3.18mm [0.125"] x 25.4mm [1.00"]
- **% Open Area**: 32.0%

**Bg 25416** (OB 0.188)
- **Pattern Type**: Oblong-Straight
- **Hole Size**: 4.78mm [0.188"] x 25.4mm [1.00"]
- **% Open Area**: 16.0%

**Bg 25419**
- **Pattern Type**: Oblong-Straight
- **Hole Size**: 3.18mm [0.125"] x 25.4mm [1.00"]
- **% Open Area**: 19.0%

**Bg 27023**
- **Pattern Type**: Oblong-Straight
- **Hole Size**: 3.18mm [0.125"] x 27.0mm [1.06"]
- **% Open Area**: 23.0%

**Bg 15820**
- **Pattern Type**: Oblong-Straight
- **Hole Size**: 3.18mm [0.125"] x 15.8mm [0.625”]
- **% Open Area**: 20.0%
METALWORKS™
Perforation Options for Ceiling and Wall Panels

Custom Perforations

- **Bg 25042**
  - Pattern Type: Oblong-Straight
  - Hole Size: 3.0mm [0.118"] x 25.0mm [0.984”]
  - % Open Area: 42.0%

- **Bv 25433**
  - Pattern Type: Oblong-Staggered
  - Hole Size: 4.78mm [0.188"] x 25.4mm [1.00”]
  - % Open Area: 33.0%

- **Bg 25021**
  - Pattern Type: Oblong-Straight
  - Hole Size: 3.0mm [0.118"] x 25.0mm [0.984”]
  - % Open Area: 21.0%

- **Bv 25439**
  - Pattern Type: Oblong-Staggered
  - Hole Size: 3.18mm [0.125"] x 12.7mm [0.500”]
  - % Open Area: 39.0%

- **Bg 25416 (OB 0.062)**
  - Pattern Type: Oblong-Straight
  - Hole Size: 1.57mm [0.062"] x 25.4mm [1.00”]
  - % Open Area: 16.0%

- **Bv 12732**
  - Pattern Type: Oblong-Staggered
  - Hole Size: 3.18mm [0.125"] x 12.7mm [0.500”]
  - % Open Area: 32.0%
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<table>
<thead>
<tr>
<th>Perforation Pattern</th>
<th>Maximum Steel Thickness (Gauge / inches)</th>
<th>Maximum Aluminum Thickness (Gauge / inches)</th>
<th>Open Area %</th>
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<td>Bg 25416</td>
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<td>Bg 25432</td>
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<td>Lg 16032 (M5)</td>
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<td>Rd 3636</td>
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<td>Rd 4223</td>
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</tbody>
</table>

** Maximum panel size 24 x 60”. No acoustical fleece available.

Key for Perforation Names (Example: Rd 0701)

<table>
<thead>
<tr>
<th>Key for Perforation Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bg = oblong/straight</td>
</tr>
<tr>
<td>Qg = square/straight</td>
</tr>
<tr>
<td>Qd = square/diagonal</td>
</tr>
<tr>
<td>Lg = rectangle/straight</td>
</tr>
<tr>
<td>Rd = round/diagonal</td>
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<tr>
<td>Qr = round/staggered</td>
</tr>
<tr>
<td>Qs = square/staggered</td>
</tr>
<tr>
<td>Qv = oblong/staggered</td>
</tr>
</tbody>
</table>

07 Diameter of hole size in mm (Example: 0.7 mm)
01 % open area

Perforations with an open area greater than 20% may have reduced panel size capabilities.