



CEILING & WALL SYSTEMS

Between us, ideas become reality™

METALWORKS™ RH200 Ceiling Planks

- Most versatile custom system for metal plank designs
- Accessible system utilizes J-Bar suspension with rectangular hook-on (RH) panel
- Wide range of custom perforations with optional White fleece for lighting effects
- 3mm reveal joint detail with a variety of perimeter options
- Factory cutouts available for recessed lights and sprinklers
- All panels are fully accessible without the use of tools
- Engineered and tested for use in seismic zones

**Armstrong**®

METALWORKS™ RH200

Custom Aluminum Plank System



MetalWorks RH200 Custom Ceiling System in Silverlume

Additional Attributes of Aluminum Plank System

- Interior custom system
- Panel dimensions typically run from 9"- 24" wide up to 96" long with a variety of other sizes available

Typical Applications

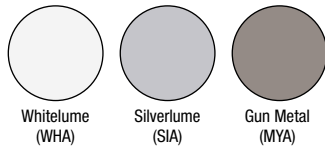
- Office
- Education
- Hospitality and retail
- Healthcare
- Transportation (including Light Rail)



MetalWorks RH200 Custom Microperforated in Silverlume

Color Selection Due to printing limitations, shade may vary from actual product.

Standard Painted Aluminum



Whitelume
(WHA)

Silverlume
(SIA)

Gun Metal
(MYA)

Reflections™ Laminate Finishes



Rock Maple
(LRM)

Light Cherry
(LLC)

Wild Cherry
(LWC)

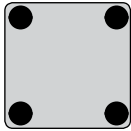
Contact Armstrong Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4 for custom RAL colors and color matching requests. Refer to BPCS-3957 for a sampling of Custom RAL colors.

METALWORKS™ RH200

Custom Aluminum Plank System

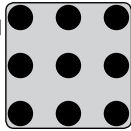
Perforation Selection Actual 1:1 scale shown unless otherwise noted.

Type : Round-Straight



Hole Size:
3.18mm [.125"]
% Open Area:
5.0%

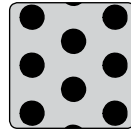
Rg 3205



Hole Size:
3.2mm [.125"]
% Open Area:
20.0%

Rg 3220

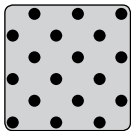
Type : Round-Staggered



Hole Size:
3.2mm [.125"]
% Open Area:
23.0%

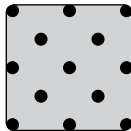
Rv 3223

Type : Round-Diagonal



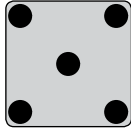
Hole Size:
1.6mm [.063"]
% Open Area:
12.0%

Rd 1612



Hole Size:
1.6mm [.063"]
% Open Area:
7.0%

Rd 1607



Rd 3210

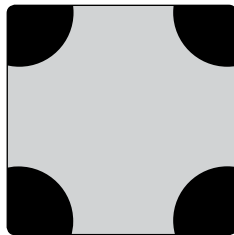
Hole Size:
3.2mm [.125"]
% Open Area:
10.0%



Hole Size:
3.2mm [.125"]
% Open Area:
39.0%

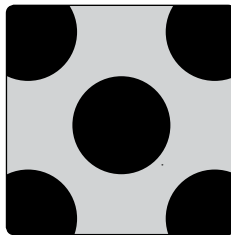
Rd 3239

Type : Round-Straight



Rg 1421

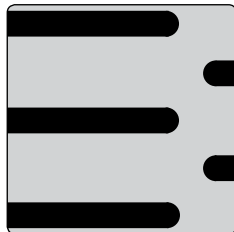
Hole Size:
14.224mm [.56"]
% Open Area:
21.0%



Rd 1242

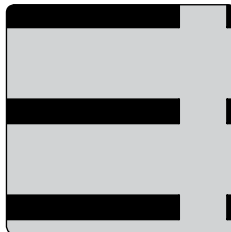
Hole Size:
12.7mm [.50"]
% Open Area:
42.0%

Type : Oval-Staggered



Lv 25422

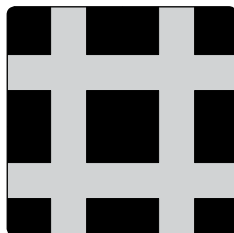
Hole Size:
3.175mm x 25.4mm
[.125" x 1"]
% Open Area:
22.0%



Lg 25420

Hole Size:
3.175mm x 25.4mm
[.125" x 1"]
% Open Area:
20.0%

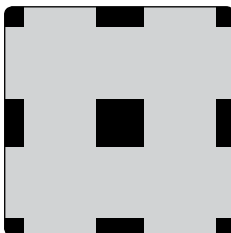
Type : Square-Straight



Qg 1945

Hole Size:
19.04mm [.75"]
% Open Area:
45.0%

**Scale: 50% of
actual size**



Qg 1216

Hole Size:
12.7mm [.50"]
% Open Area:
16.0%

**Scale: 50% of
actual size**

Key for Perforation Names (Example – Rg 0701)

R	Hole shape (R = round / Q = square / L = oval/rectangle / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
07	Diameter of hole size in mm (Example – 0.7 mm)
01	% open area

Some perforations available in limited panel sizes. Consult Architectural Specialties for more information.

METALWORKS™ RH200

Custom Aluminum Plank System

Recycled Content: 25%

armstrong.com/greengenie

LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views
✓	✓	✓	✓		
Location Dependent					

LEED for Schools

Acoustics	Low Emitting or CHPS
✓	✓

Colors

Whitelume (WHA)	Rock Maple (LRM)	Custom RAL
Silverlume (SIA)	Light Cherry (LLC)	
Gun Metal Grey (MYA)	Wild Cherry (LWC)	Custom Perforations

RH200 Aluminum Plank Systems

Physical Data

Panel Dimensions

Typical panel dimensions range from 9" to 24" wide and up to 96" long. The RH200 system features larger size panels and gasketed 3mm joints. Our Armstrong Architectural Specialties project management team is available to assist in project design.

Material

Standard material is .040" aluminum.

Painted Finishes

Factory-applied polyester paint.

Reflections™ Laminate Finishes

Vinyl-faced membrane

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Fire Class A. Laminate finish tested per ASTM E84. Flame spread index 75 or less. Smoke developed Index 450 or less.

Seismic Restraint

MetalWorks custom systems have been engineered and tested for applications in seismic zones.

Acoustical Options

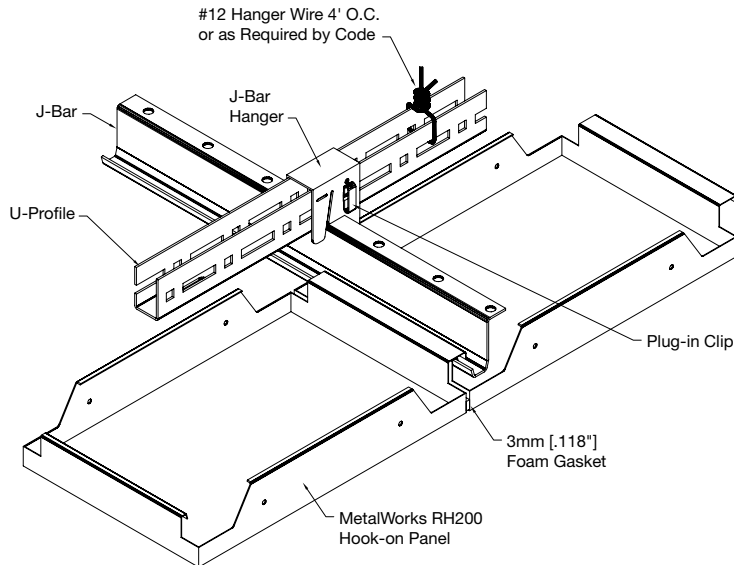
Perforated Custom panels are usually supplied with factory-installed, Black, sound absorbent acoustical fleece. Fiberglass and mineral fiber infill panels are also available.

Suspension

Suspension is by means of a fully engineered **J-Bar system**. All panels are downward accessible without the use of tools. Security clamps may be installed if required. In this case, panels are accessible sequentially.

Suspension Components

- U-Profile
- U-Profile Splice
- Plug-in Clip
- J-Bar
- J-Bar Splice
- J-Bar Hanger
- J-Bar Security Clip
- Wall Anchor



For more information about these systems, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

METALWORKS™ RH200

Custom Steel Plank
and Curved Systems

Additional Attributes of Steel Plank System

- Interior and exterior custom system
- Curved metal panels can be convex or concave
- Panel dimensions typically run from 9" - 24" wide up to 96" long with a variety of other sizes available.

Typical Applications

- Office
- Education
- Hospitality and retail
- Healthcare
- Transportation (including Light Rail)
- Exterior applications



Inset: MetalWorks RH200 Curved Custom Ceiling System Extra Microperforated in White



MetalWorks RH200 Plank Custom Faceted Ceiling and wall Systems Perforated in White

Color Selection Due to printing limitations, shade may vary from actual product.

Standard Steel



White (WH) Silver Grey (SG) Gun Metal Grey (MY)

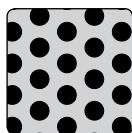
Contact Armstrong Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4 for custom RAL colors and color matching requests. Refer to CS-3957 for a sampling of Custom RAL colors.

METALWORKS™ RH200

Custom Steel Plank and Curved Systems

Perforation Selection Actual 1:1 scale shown unless otherwise noted.

Type : Round-Staggered



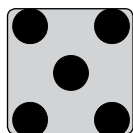
Hole Size:
2.5mm [.098"]
% Open Area:
23.0%

Rv 2523



Hole Size:
4.0mm [.157"]
% Open Area:
58.0%

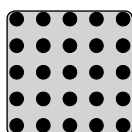
Rv 4058



Hole Size:
4.6mm [.181"]
% Open Area:
25.0%

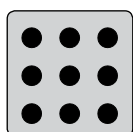
Rv 4625

Type : Round-Straight



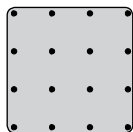
Hole Size:
1.8mm [.071"]
% Open Area:
21.0%

Rg 1821



Hole Size:
2.6mm [.102"]
% Open Area:
21.0%

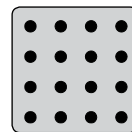
Rg 2621



Hole Size:
0.7mm [.028"]
% Open Area:
1.5%

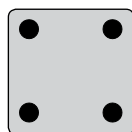
Rg 0701

Extra Microperforated



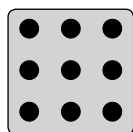
Hole Size:
1.5mm [.059"]
% Open Area:
11.0%

Rg 1511



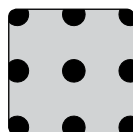
Hole Size:
2.5mm [.098"]
% Open Area:
4.0%

Rg 2504



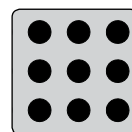
Hole Size:
2.5mm [.098"]
% Open Area:
16.0%

Rg 2516



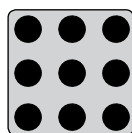
Hole Size:
3.0mm [.118"]
% Open Area:
13.0%

Rg 3013



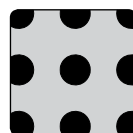
Hole Size:
3.0mm [.11"]
% Open Area:
27.0%

Rg 3027



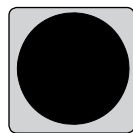
Hole Size:
3.5mm [.138"]
% Open Area:
29.0%

Rg 3529



Hole Size:
4.0mm [.157"]
% Open Area:
22.0%

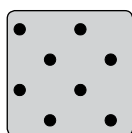
Rg 4022



Hole Size:
14.0mm [.551"]
% Open Area:
28.0%

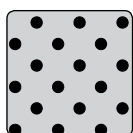
Rg 14023

Type : Round-Diagonal



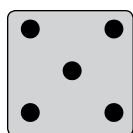
Hole Size:
1.5mm [.059"]
% Open Area:
6.0%

Rd 1506



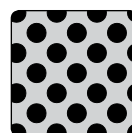
Hole Size:
1.5mm [.059"]
% Open Area:
11.0%

Rd 1511



Hole Size:
2.5mm [.098"]
% Open Area:
8.0%

Rd 2508



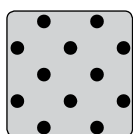
Hole Size:
2.5mm [.098"]
% Open Area:
35.0%

Rd 2535



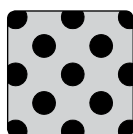
Hole Size:
1.5mm [.059"]
% Open Area:
22.0%

Rd 1522



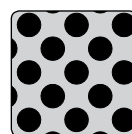
Hole Size:
1.8mm [.071"]
% Open Area:
10.0%

Rd 1810



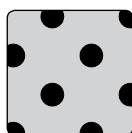
Hole Size:
3.0mm [.118"]
% Open Area:
25.0%

Rd 3025



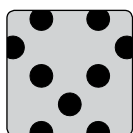
Hole Size:
3.1mm [.122"]
% Open Area:
39.0%

Rd 3139



Hole Size:
3.0mm [.118"]
% Open Area:
13.0%

Rd 3013



Hole Size:
3.0mm [.118"]
% Open Area:
19.0%

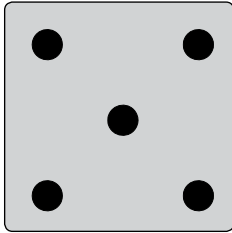
Rd 3019

METALWORKS™ RH200

Custom Steel Plank and Curved Systems

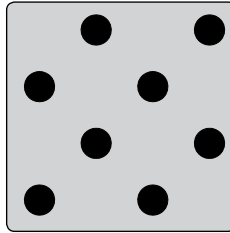
Perforation Selection Actual 1:1 scale shown unless otherwise noted.

Type : Round-Diagonal



Rd 4006

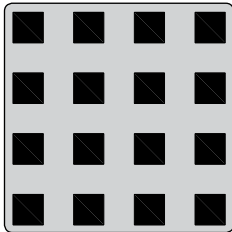
Hole Size:
4.0mm [.157"]
% Open Area:
6.0%



Rd 4011

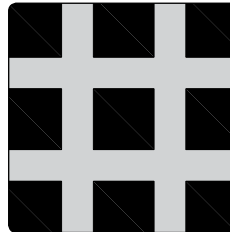
Hole Size:
4.0mm [.157"]
% Open Area:
11.0%

Type : Square-Straight



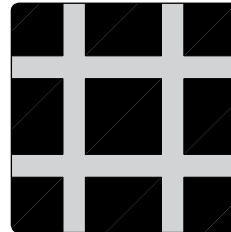
Qg 4025

Hole Size:
4.0mm [.157"]
% Open Area:
25.0%



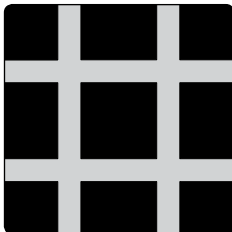
Qg 8043

Hole Size:
8.0mm [.315"]
% Open Area:
43.0%



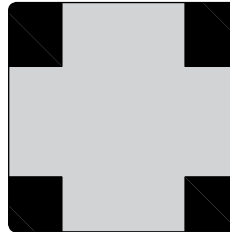
Qg 10059

Hole Size:
10.0mm [.394"]
% Open Area:
59.0%



136

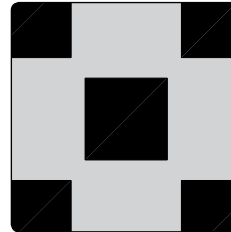
Hole Size:
10.0mm [.394"]
% Open Area:
59.2%



Qg 20018

Hole Size:
20.0mm [.787"]
% Open Area:
18.0%

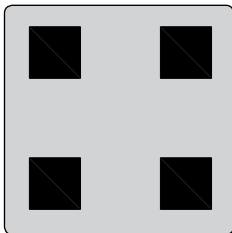
Scale: 50% of
actual size



Qg 20034

Hole Size:
20.0mm [.787"]
% Open Area:
34.0%

Scale: 50% of
actual size

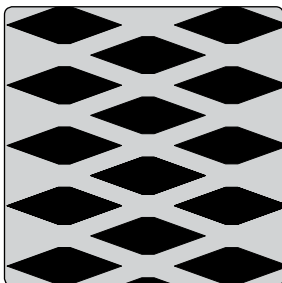


Qg 12515

Hole Size:
12.5mm [.492"]
% Open Area:
15.0%

Scale: 50% of
actual size

Type : Trapezoid-Staggered

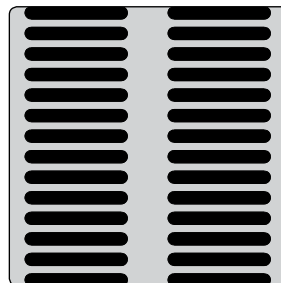


Tv 26845

Hole Size:
26.8mm x 9.0mm
[1.102 x .354"]
% Open Area:
45.0%

Scale: 50% of
actual size

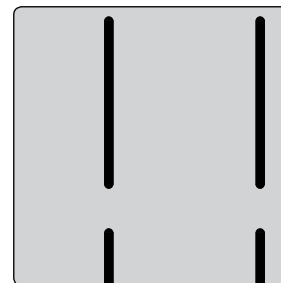
Type : Oval-Straight Slotted



Lg 25042

Hole Size:
25mm x 3mm
[.984 x .118"]
% Open Area:
42.0% or Varies

Scale: 50% of
actual size



Lg 42003

Hole Size:
42mm x 2mm
[4.724 x .079"]
% Open Area:
3.0% or Varies

Scale: 50% of
actual size

METALWORKS™ RH200

Custom Steel Plank and Curved Systems

Recycled Content: 25%

armstrong.com/greengenie

LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views
	✓	✓			

LEED for Schools

Acoustics	Low Emitting or CHPS
✓	✓

Colors and Perforations

Colors	Perforations
White (WH) Silver Grey (SG) Gun Metal Grey (MY)	Custom RAL Custom Perforations

RH200 Steel Plank and Curved Systems

Physical Data

Panel Dimensions

Typical panel dimensions range from 9" to 24" wide and up to 96" long. The RH200 system features larger size panels and gasketed 3mm joints. Our Armstrong Architectural Specialties project management team is available to assist in project design.

Material

Standard material is electrogalvanized steel. Aluminum is also available.

Surface Finish

Factory-applied powder-coated (post-coated) finish.

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Fire Class A.

Seismic Restraint

MetalWorks custom systems have been engineered and tested for applications in seismic zones.

Acoustical Options

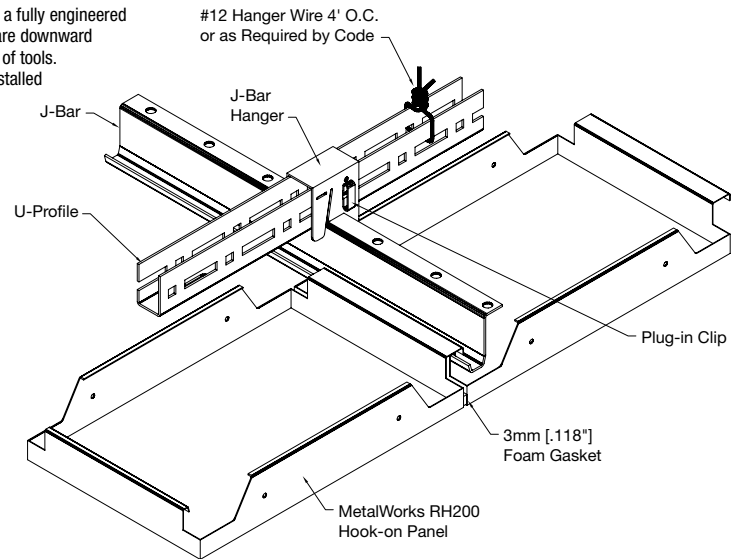
Perforated Custom panels are usually supplied with factory-installed, Black, sound absorbent acoustical fleece. Fiberglass and mineral fiber infill panels are also available.

Suspension

Suspension is by means of a fully engineered **J-Bar system**. All panels are downward accessible without the use of tools. Security clamps may be installed if required. In this case, panels are accessible sequentially.

Suspension Components

- U-Profile
- U-Profile Splice
- Plug-in Clip
- J-Bar
- J-Bar Splice
- J-Bar Hanger
- J-Bar Security Clip
- Wall Anchor



RH200 Steel Curved System (additional information)

Physical Data

Panel Dimensions

Width and length limitations are dependent on panel attributes including radius and perforation. Contact Architectural Specialties for more information.

Panel Radii and Sweep of Arc

Panels can be manufactured to a range of panel radii. Your Architectural Specialties project management team is available to assist you in panel selection and design.

Convex/Concave

Panels may be made with their finished surface convex or concave.

Suspension

Suspension is by a J-Bar, Pencil Rod, and U-Profile system. Each panel is installed and independently removable within a "trapeze" structure which may be braced with wire.

Layout

U-Profile

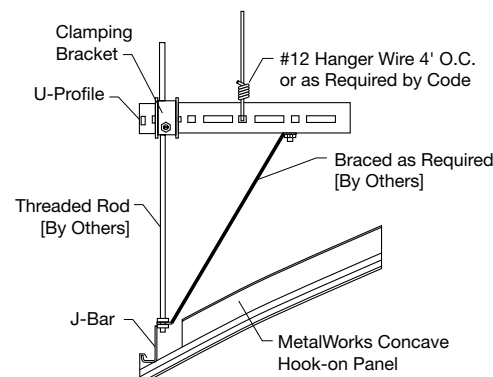
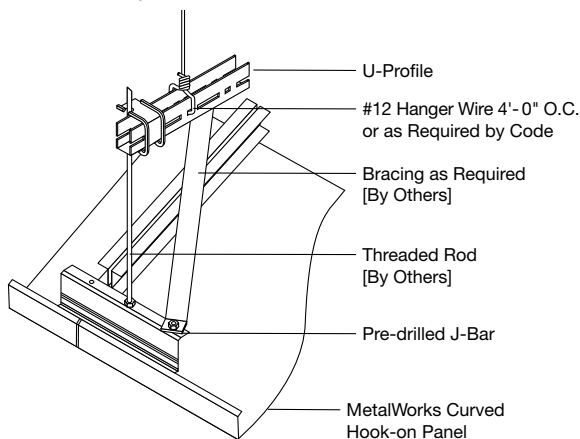
U-Profiles must be installed perpendicular to the long direction of the panels at least 48" centers. Suspension points should be at least at every 48" on each U-Profile with suspension no further than 18" from each wall or U-Profile termination, or as required by local code. Joints in U-Profiles should be staggered and connected with the U-Profile Splice. U-Profiles are suspended from the deck by 12 gauge wire as required by local code.

J-Bar

J-Bar is installed perpendicular to the U-Profiles on centers dictated by the panel length. J-Bars are connected end-to-end with the J-Bar Splice. J-Bars are connected directly to the U-Profiles or below the U-Profile on threaded rod as dictated by the arc of the panel.

Joint and Edge Detail

Edges are square. Joints are normally made with a 1/8" (3mm) foam gasket separator, but may be tightly butted. Panels can be made with self-finished edge for use in free-floating cloud applications.



For more information about these systems, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

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