

## Chicago Metallic<sup>®</sup> BarrierGrid<sup>®</sup>

### Features and Benefits

- Factory precision applied gasket grid restricts air movement between plenum and room
- Aluminum capped runners and tees improve corrosion resistance of gasketed ceiling grid system
- Acoustical grid system features a Heavy Duty design, available with stab-end or hook-end cross tees
- Suitable for Seismic Design Categories A-F
- Components and assemblies designed for use in ISO 14644-1 controlled environment facilities
- Sustainable: Steel - 30%, Aluminum - 85% recycled content, 100% locally recyclable
- Chicago Metallic suspension systems meet Class-A flame spread rating in accordance with ASTM standard E84

### Applications

- Clean Manufacturing Areas
- Healthcare
- Food Processing
- Pharmaceutical
- Aerospace
- Precision Instrument Assembly Rooms



# Chicago Metallic® BarrierGrid®

## LEED® v4.1 Highlights

### Materials and Resources (MR)

Waste Management Planning	✓
Interiors Life Cycle Impact Reduction	✓
Environmental Product Declarations	✓
Sourcing of Raw Materials	✓
Material Ingredients	-
Waste Management	✓

### Indoor Environmental Quality (EQ)

Low-Emitting Materials	✓
Interior Lighting	✓
Acoustic Performance	✓

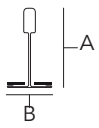
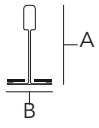
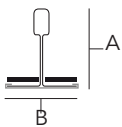
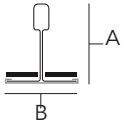
**Recycled Content:** Aluminum 85%  
Steel 30%



### Performance Properties:

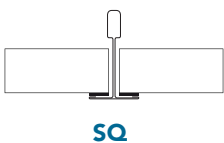
<b>Base Material</b>	Hot-Dip Galvanized Steel HDG-30 (15/16" width), HDG-40 (1-3/8")
<b>Capping / Finish</b>	Aluminum / Baked Polyester Enamel
<b>Gasket</b>	1/8" x 7/16" Wide Gasket
<b>End Details</b>	<b>Main Runners:</b> Bayonet-end Coupling <b>Cross Tees:</b> Hook-End, Stab-End
<b>Structural Classification</b>	Heavy Duty per ASTM C635
<b>Flame Spread Rating</b>	Class A per ASTM E84
<b>Warranty</b>	40-Year Suspension System Warranty
<b>Recycled Content</b>	Aluminum 85%, Steel 30%

## Main Runners/Cross Tees

Detail	Product Number	Length x Height (A) x Face (B)	Grid Coupling Type	Slotting	Structural Classification (ASTM C635)	Seismic	Packaging			Palletization	
							Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
<b>BarrierGrid® Standard 15/16"</b>											
<b>Main Runners</b>											
	200.XXZ.01AG	144" x 1-41/64" x 15/16"	Bayonet-End	6" OC	HD	A-F	25	300	90	20	1800
<b>Cross Tees</b>											
	1229.01AG	24" x 1-1/2" x 15/16"	Stab-End	No Slots	-	A-F	75	150	24	40	960
	1215.01AG	48" x 1-1/2" x 15/16"	Stab-End	12" OC	-	A-F	50	200	42	30	1260
	229.01AG	24" x 1-1/2" x 15/16"	Hook-End	No Slots	-	A-F	75	150	24	40	960
	214.01AG	48" x 1-1/2" x 15/16"	Hook-End	12" OC	-	A-F	50	200	42	30	1260
<b>BarrierGrid® Premium 1-3/8"</b>											
<b>Main Runners</b>											
	600.01AG	144" x 1-1/2" x 1-3/8"	Bayonet-End	12" OC	HD	A-F	20	240	80	20	1600
<b>Cross Tees</b>											
	602.01AG	24" x 1-1/2" x 1-3/8"	Stab-End	No Slots	-	A-F	40	80	26	40	1040
	604.01AG	48" x 1-1/2" x 1-3/8"	Stab-End	12" OC	-	A-F	40	160	54	30	1620

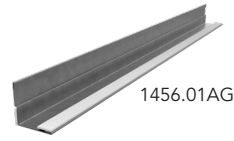
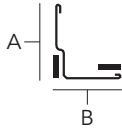
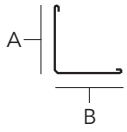
Custom slotting available. Contact Rockfon Customer Service for details and service levels.

### Compatible Tile Edge Types



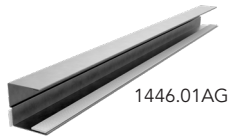
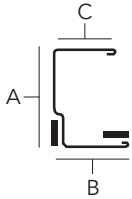
# Perimeter Components

## Wall Angles



Product Number	Length, Height (A) x Face (B)	Gasket	Packaging			Palletization	
			Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
1425.01	144", 2" x 2"	-	20	240	82	30	2460
1428.01	144", 1" x 2"	-	20	240	54	30	1620
1456.01AG	144", 1-1/8" x 1"	✓	15	180	19	15	285


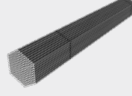



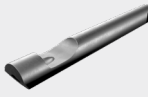
## Wall Channels



Product Number	Length, Height x Face x Top Flange (Length, A x B x C)	Gasket	Packaging			Palletization	
			Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
1446.01AG	120", 1-5/8" x 1"	✓	12	120	16	28	448

# Accessories

	Detail	Rockfon Part Number	Product Number	Product Description	Packaging	
					Pcs/Ctn	Lbs/Ctn
Seismic Clips		250374	1496.00	Seismic Perimeter Clip	100	10
		250372	1493.00	Unopposed Tee Clip	100	2
		250373	1494.00	Seismic Separation Clip	100	10
General Clips		250348	935.00	Universal Hold Down Clip	1000	16
		252923	425.01	Hold Down Clip for 5/8" Board 250/1250 Systems	200	2
		250343	820.00	Hold Down Clip for 5/8" Board 250/1250 Systems	1000	7
		237949	490.00	Hold Down Clip for 0" - 3/4" Panels (Black)	100	2
		237952	491.00	Hold Down Clip for 3/4" - 1-1/4" Panels (Blue)	150	2
		237954	492.00	Hold Down Clip for 1-1/2" Panels (Grey)	100	2
		250324	426.01	Butterfly Retention Clip for 0" - 1" Panels	200	15
		250325	427.01	Butterfly Retention Clip for 1" - 2" Panels	150	15
		253183	479.00	90-degree Corner Clip	25	5
		251952	1499.00	Perimeter Grid Clip	100	4
Spacer Bars		294621	826.00H	2' Spacer Bar for rectangular bulb components	40	15
		294623	828.00H	4' Spacer Bar for rectangular bulb components	40	29
		294619	824.00H	4' Spacer bar notched 2'. For rectangular bulb components.	40	29
Suspension System Covers		258677	1320.01	Cover Sleeve for 15/16" Grid	100	10
		251956	839.01	Expansion Coupling Cover	50	1

	Detail	Rockfon Part Number	Product Number	Product Description	Packaging	
					Pcs/Ctn	Lbs/Ctn
Gasket Roll		253160	925.00	BarrierGrid® Gasket (1/8" x 7/16" Wide)	100	-
Hanger Wire		250590	96CTL144	Hanger Wire 12' x 12-Gauge	Bundle	50
Grid Paint		250350	940.01	12 oz. Grid Spray Can - White	1	1
		250351 & 250352	940.08 & 940.44	12 oz. Grid Spray Can - Black & Satin Silver	1	1
Tools		250349	937.00	Cross Tee Slotter	1	3
		250353	943.00	Cross Tee Removal Tool	1	1
		250354	944.00	Wire Tie Tool	1	1

# Grid Colors

## Standard Colors:



01  
White



08  
Black



44  
Satin Silver

## Premium Colors:



Color-All



Custom  
(Color Match)

Colors shown are reproduced as close as possible to actual product color within the limitations of printing technology. Color chips are available upon request and should be reviewed before making a final selection. Variations in color matches of system components to ceiling panels can result from slight differences in texture, room lighting, painting process and subjectivity of observers.

# Performance

## Main Runner Allowable Load Test Data Based on 1/360 Span Deflection (Lb/Ft\*)

Main Runner	Length	Hanger Spacing
		ASTM C635 - 4'
200.01AG	144"	HD
600.01AG	144"	HD

## Cross Tee Allowable Load Test Data Based on 1/360 Span Deflection (Lb/Ft\*)

Cross Tee	Length	Cross Tee Span	
		2'	4'
1229.01AG	24"	33.0♦	-
229.01AG	24"	32.5♦	-
1215.01AG	48"	-	10.6
602.01AG	24"	100.0♦	-
604.01AG	48"	-	18.6

\* To convert data into lb/ft<sup>2</sup>, divide on center spacing of suspension component into lb/ft.

♦ Limited by safety factor of 2.

Install systems in accordance with ASTM C636. Other requirements may apply.

## Material

ASTM C 635 Heavy Duty (HD) main tee classification, hot-dip galvanized body, aluminum cap, Standard HDG-30 (15/16" width) and Premium HDG-40 (1-3/8" width), Standard (1-41/64" height) and Premium (1-1/2" height). Closed cell PVC foam gaskets adhered to all suspension components.

*Note: A metallurgist should be consulted regarding the suitability of this product for the environmental conditions in which it is being installed.*

022323

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