

## Chicago Metallic® BarrierGrid®

Acoustical ceiling suspension system



Ideal for: Clean manufacturing areas, healthcare, food processing, pharmaceutical, aerospace and precision instrument assembly rooms.

Performance Properties:

- Acoustical grid system features a heavy duty design, available with stab-end or hook-end cross tees
- Factory precision applied gasket grid restricts air movement between plenum and room
- Components and assemblies designed for use in ISO 14644-1 controlled environment facilities
- Aluminum capped runners and tees improve corrosion resistance of gasketed ceiling grid system
- Sustainable: Minimum 25% recycled content, 100% locally recyclable
- Chicago Metallic® suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08

# Chicago Metallic® BarrierGrid®

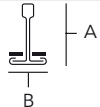
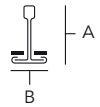
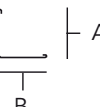

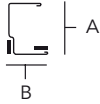
## LEED® V4 HIGHLIGHTS

### 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: UP TO: 25%

Detail	Product Number	Length	Height (A)	Face (B)	Grid Coupling Type	Slotting / Class	Seismic	Recycled Content
<b>Main Runners</b>								
	200.XXZ.01AG	144"	1-41/64"	15/16"	Bayonet-End	6" OC, HD	C, DEF	25
	600.01AG	144"	1-1/2"	1-3/8"	Bayonet-End	12" OC, HD	C, DEF	25
<b>Cross Tees</b>								
	1229.01AG	24"	1-1/2"	15/16"	Stab-End	No Slots	C, DEF	25
	602.01AG	24"	1-1/2"	1-3/8"	Stab-End	No Slots	C, DEF	25
	1215.01AG	48"	1-1/2"	15/16"	Stab-End	12" OC	C, DEF	25
	604.01AG	48"	1-1/2"	1-3/8"	Stab-End	12" OC	C, DEF	25
	229.01AG	24"	1-1/2"	15/16"	Hook-End	No Slots	C	25
	214.01AG	48"	1-1/2"	15/16"	Hook-End	12" OC	C	25
<b>Wall Angles &amp; Channels</b>								
	1425.01	144"	2"	2"	-	-	C, DEF	25
	1428.01	144"	1"	2"	-	-	C, DEF	25
	1456.01AG	144"	1-1/8"	1"	-	-	C	25
	1446.01AG	120"	1-5/8"	1"	-	-	C	25

Note: Cross tees are override design, with stab-in end detail, unless noted otherwise. Hook end tees are suitable for seismic areas 1 and 2 only. Butt-cut tees are used for true, flat panel installation, i.e., metal panels.

Available in the following standard colors, Rockfon® Color-all™ colors, and RAL color options.



01 White



08 Black



44 Satin Silver



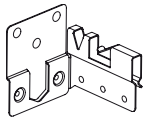
Color-all



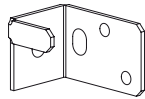
# Packaging

Product Number	Pieces per Carton	Ft per Carton	Lbs per Carton	Cartons per Pallet	Lbs per Pallet
<b>Main Runners</b>					
200.XXZ.01AG	25	300	90	20	2250
600.01AG	20	240	80	20	1600
<b>Cross Tees</b>					
1229.01AG	75	150	24	40	960
602.01AG	40	80	26	40	1040
1215.01AG	50	200	42	30	1470
604.01AG	40	160	54	30	1296
229.01AG	75	150	24	40	960
214.01AG	50	200	42	30	1470
<b>Wall Angles &amp; Channels</b>					
1456.01AG	15	180	15	32	544
1425.01	20	240	82	30	2460
1428.01	20	240	54	30	1620
1446.01AG	12	120	16	28	448

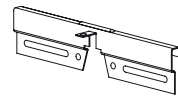
# Accessories



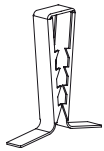
1496.00  
Seismic  
Perimeter Clip  
100 PCS/Carton



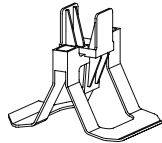
1493.00  
Unopposed  
Tee Clip  
100 PCS/Carton



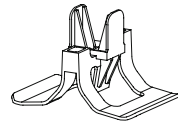
1494.00  
Seismic  
Separation Clip  
100 PCS/Carton



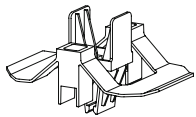
935.00  
Hold Down Clip  
for Various  
Height Panels  
1000 PCS/Carton



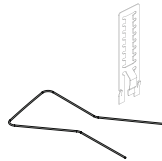
490.00  
Hold Down Clip  
for 0" – 3/4" Panels  
100 PCS/Carton



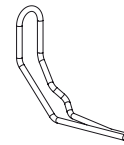
491.00  
Hold Down Clip for  
3/4" – 1-1/4" Panels  
150 PCS/Carton



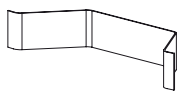
492.00  
Hold Down Clip  
for 1-1/2" Panels  
100 PCS/Carton



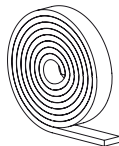
495.00  
Facett™ Hold  
Down Clip for  
2" – 4" Panels  
100 PCS/Carton



416.15  
Intersection Clip  
for Hook-end  
Cross Tees  
1000 PCS/Carton



88.00  
Border Spring Clip  
1000 PCS/Carton



925.00  
Loose Gasket  
100LF/Roll



826.00H  
2' Spacer Bar  
80 LF/Carton



828.00H  
4' Spacer Bar  
160 LF/Carton



824.00H  
4' Spacer Bar,  
Notched at 2'  
160 LF/Carton

# Performance

## Component Load Test Data and Material

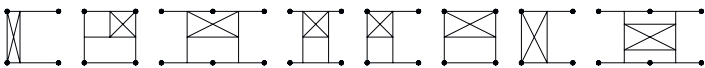
Allowable Load per ASTM C635					
Main Tee	Length		Hanger Spacing		
			4'	5'	6'
200.01AG	144"	-	HD	-	-
600.01AG	144"	-	HD	-	-
Cross Tee	Length	2'	4'	5'	6'
1229.01AG	24"	33.0♦	-	-	-
229.01AG	24"	32.5♦	-	-	-
1215.01AG	48"	-	10.7	-	-
602.01AG	24"	100.0♦	-	-	-
604.01AG	48"	-	18.6	-	-

To convert data into lb/ft<sup>2</sup>, divide on center spacing of component into lb/ft.  
 ♦ Limited by safety factor of 2.

## Non-Fire Rated Assemblies

### Hanger Positions for Non-Fire Rated Situations

This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.



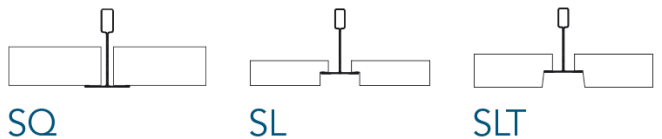
## Material

ASTM C 635 Heavy Duty (HD) main tee classification, 01 White commercial quality painted steel, hot-dip galvanized body, aluminium cap, Standard G30 (15/16" width) and Premium G40 (1-3/8" width), Standard (1-13/16" height) and Premium (1-1/2" height). Closed cell PVC foam gaskets adhered to all tees.

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

## Compatible Tile Edge Types

BarrierGrid Standard/BarrierGrid Premium Systems (SQ Only)



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**Rockfon**  
4849 S. Austin Ave., Chicago, IL 60638 USA  
Tel. +1-800-323-7164  
Fax. +1-800-222-3744  
[www.rockfon.com](http://www.rockfon.com)  
[cs@rockfon.com](mailto:cs@rockfon.com)  
SNL360003045