



Chicago Metallic BarrierGrid™ Standard 15/16" Exposed Gasketed

Product

Applications

Clean process areas requiring isolation from the ceiling plenum. Ideal for Clean manufacturing areas, healthcare, food processing, semiconductor, pharmaceutical, aerospace and precision instrument assembly rooms.

Features

- Components and assemblies designed for use in ISO 14644-1 controlled environment facilities.
- Precision factory-installed gaskets on Heavy Duty (ASTM rated) ceiling grid
- Stab type and demountable "Hook" type cross tees available.
- Butt cut cross tee engagement at main tees.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

Benefits

- Factory precision applied gasket grid restricts air movement between plenums and clean process work areas and speeds up installation.
- Butt cut cross tees keep all components in same plane for improved appearance and seal.
- Aluminum capped runners and tees improve corrosion resistance of grid system.
- Sustainable: Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture.

Material:

A. General

ASTM C 635 Heavy Duty (HD) main tee classification, 01 White commercial quality painted steel, hot-dip galvanized body, aluminum cap, 15/16" width, 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.

Components:

- 1. Main Tee:** Double web construction, 15/16" width, 1-1/2" height.

- 2. Cross Tees:** Double web construction, 15/16" width, 1-1/2" height. Stab-in and demountable hook end details.

- 3. Wall Angle & Channel:**

- 4. Accessories:**

Notes: HEPA filters and lights should be suspended at all four 4" corners of grid module.

With 15/16" grid, standard Type G light fixtures can be used without interfering with lens removal.

Main Tee

- 200.01AG (144", slots 6" OC, HD)

Cross Tees

- 1229.01AG (24", no slots, butt-cut, stab)
- 1215.01AG (48", slots 12" OC, butt-cut, stab)
- 229.01AG (24", no slots, hook)
- 214.01AG (48", slots 12" OC, hook)

Wall Angles (A x B):

- 1456.01AG (120", 1-1/4" x 1")
- 1425.01 (144", 2" x 2") Per IBC
- 1428.01* (144", 1" x 2") (prior approval by AHJ is required)

* Compatible with 1496 SP (Seismic Perimeter) Clip. Gasket must be field applied.

Wall Channel

- 1446.01AG (120", 1-5/8" x 1")

Cross Tee Clip

- 416.15 (for hook tees, Seismic Cat. D, E, F)

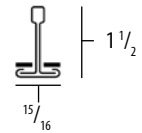
Hold Down Clip

- 935.00 (for various panel thicknesses)

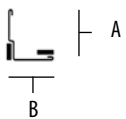
Wall Spring Clip

- 88.00

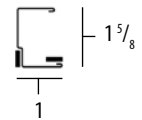
Tees



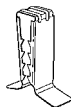
Wall Angle



Wall Channel



Accessories - Clips



Hold Down Clip
935.00

Details



Mineral Wool panels with gasketed grid

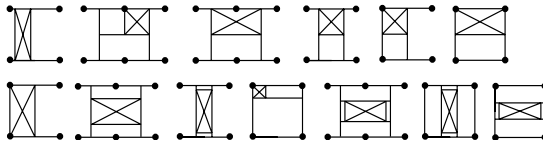


Planostile panels with gasketed grid

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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.

Component Load Test Data (based on $1/360$ span deflection)

ALLOWABLE LOAD per ASTM C635 [■]										
Main Tee	Length	Hanger Spacing								
		4'				5' 6'				
200	12'	HD				8.9 5.6				
Cross Tee	Length	1'	20"	2'	30"	3'	4'	5'	6'	8'
		1229	2'	33.0 [▲]						
229	2'	32.5 [▲]								
1215	4'	10.7								

[■]To convert data into lb/ft², divide on center spacing of component into lb/ft.

[▲]Limited by safety factor of 2.