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200 Snap-Grid™ 15/16" Exposed

Product

Applications

Sustainable, accessible, economical commercial ceiling suspension.

Features

- The industry standard of compatibility: acoustical panels, light fixtures and air diffusers.
- Snap-in demountable (hook-type) cross tees.
- Butt-cut cross tees.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

Benefits

- Quick access to ceiling plenum.
- Butt-cut cross tees provide true, flat panel installation, i.e., metal panels.
- Cost control.
- Global compatibility and availability.
- Sustainable: Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture.

Material:

A. General

ASTM C 635 Heavy Duty (HD), Intermediate Duty (ID) main tee classifications; commercial quality HDG-30 steel, hot-dip galvanized body and cap, 15/16" width, 1-1/2" height.

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 Tees: Double web construction, 15/16" width, 1-1/2" height.**
 - (24 x 24, 24 x 48)
 - 216.01H (120", slots 6" OC, ID)
 - 200.01H (144", slots 6" OC, HD)
 - 211.01H (144", slots 6" OC, ID)
 - (20 x 30, 20 x 60, 30 x 30, 60 x 60)
 - 299.01H (120", slots 10" OC, ID)
- 2. Cross Tees: Double web construction, 15/16" width, 1-1/2" height. Snap-in end detail.**

Note: Cross tees are butt-cut design unless noted otherwise.

 - (24 x 24, 24 x 48)
 - 251.01H (12", no slots)
 - 229.01H (24", no slots)
 - 253.01H (36", slots 12" OC)
 - 209.01H (48", slots 12" OC)
 - (20 x 30, 20 x 60, 30 x 30, 30 x 60, 60 x 60)
 - 257.01H (20", no slots)
 - 258.01H (30", no slots)
 - 207.01H (60", slots 6" OC)
 - 278.01H (96", slots 12" OC)
- 3. Wall Angles & Shadow Moldings:**

Wall Angle, two hemmed edges (A x B)

 - 1430.01 (144", 7/8" x 7/8")
 - 1420.01 (144", 15/16" x 15/16")
 - 1428.01 (144", 1" x 2")
 - 1425.01 (144", 2" x 2")
 - 21420.01 (144", 15/16" x 15/16")

Shadow Molding, one hemmed edge (A x B x C x D)

 - 1460.01 (120", 3/4" x 3/8" x 3/8" x 3/4")
 - 1461.01 (120", 3/4" x 3/4" x 3/4" x 3/4")

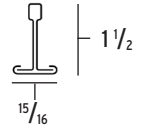
Shadow Molding, two hemmed edges (A x B x C x D)

 - 1469.01 (120", 9/16" x 3/8" x 3/8" x 15/16")

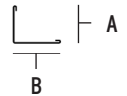
Shadow Molding, two hemmed edges (A x B x C x D)

 - 1466.01 (144", 1-3/4" x 3/4" x 1/4" x 1-1/4")

Tees

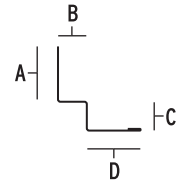


Wall Angles

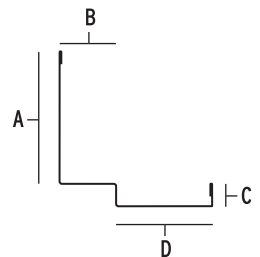


two hemmed edges

Shadow Moldings

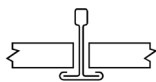


1460, 1461/1469
one/two hemmed edge

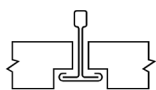


1466
two hemmed edges

Details



square edge



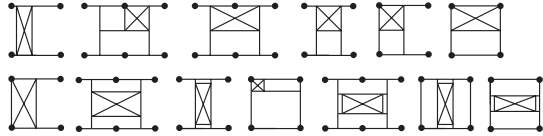
reveal edge

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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 ■ SIMPLE SPAN-lb/ft										
Main Tee	Length	Hanger Spacing								
		4'	5'	6'	4'	5'	6'	8'		
216	10'	ID	6.0	4.0						
299	10'	ID	6.0	4.0						
211	12'	ID	6.0	4.0						
200	12'	HD	8.9	5.6						
Cross Tee	Length	1'	20"	2'	30"	3'	4'	5'	6'	8'
251	12"	—								
257	20"		90.0 [▲]							
229	2'			32.5 [▲]						
258	30"				57.4					
253	3'					34.7				
209	4'						9.1			
207	60"							8.5		
278	8'									2.1

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

▲ Limited by safety factor of 2.

* Hanger wire required at midpoint of tee.

Light Fixture Load Test Data (based on 1/360 span deflection)

LIGHT FIXTURES	MAIN & CROSSTEES - ALLOWABLE FIXTURE WT. - LBS.		
	200	211	299
Dimensions	207	209	207
1' x 4'	32.4	56.4	
2' x 2'	29.2	34.8	
2' x 4'	40.8	47.2	
2' x 5'	40.8		
3' x 3'	63.0 [▲]		
20" x 48"			37.6
20" x 60"			37.6

▲ Limited by safety factor of 2.



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