

# CLEAN ROOM™ Steel

## 15/16" Exposed Tee System

UP TO **30%** RECYCLED CONTENT

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LEED®

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lighting quality  
acoustics

LOCATION DEPENDENT



### KEY SELECTION ATTRIBUTES

- Suitable for use in Class 5 (Class 100 clean rooms as defined by ISO Standard 14644-1 (Federal Standard 209E) when used with Clean Room FL, Clean Room VL, Health Zone™ Ultima®, and Health Zone Optima®
- Seismic Rx® Suspension System saves time and money; ICC-ES approach to installations (ESR-1308)
- Unique, integral gasket for better seal between panel and grid
- Integral main beam splice for easy connections and module control
- XL staked-on end detail provides secure locked connection
- Rotary-stitched for additional torsion strength and installation
- 10-year limited warranty; 30-year with HumiGuard® Plus






### TYPICAL APPLICATIONS

- Laboratories
- Pharmaceutical facilities
- Automotive and aerospace
- Computer rooms
- Hospitals
- Food processing facilities
- High-tech manufacturing
- Data Centers


### VISUAL SELECTION

### PERFORMANCE

### PACKAGING

Item No.	Face Profile	Description	Route Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft.			Fire Guard™	 Seismic Category	Pcs./ Ctn.	Lin. Ft./ Ctn.
					2 Ft.	4 Ft.	5 Ft.				
Clean Room Co-Extruded Steel (Gasketed)					2 Ft.	4 Ft.	5 Ft.	Dots represent high level of performance.			
 <b>ES7901</b>	15/16"	12' HD Main Beam	12" O.C.	144 x 15/16 x 1-11/16"	—	18.33	—	—	•	20	240
 <b>ES7940</b>	15/16"	4' Cross Tee	24" O.C.	48 x 15/16 x 1-11/16"	—	16.83	—	—	—	60	240
 <b>ES7920</b>	15/16"	2' Cross Tee	—	24 x 15/16 x 1-11/16"	60.83	—	—	—	—	60	120
	15/16"	<b>Other Sizes</b> Main beams L: 36" – 144" / Cross tees L: 6" – 144" / Route spacing 3" from ends, 6" thereafter								Varies	Varies
 <b>ES7801</b>		12' Hemmed Angle Molding		144 x 15/16 x 15/16"						30	360

### MAXIMUM FIXTURE WEIGHT

Configuration		Item No.	Fixture*		Planning Module		Hanger Spacing		Maximum Weight	
A	B		A	B	A	B	A	B	A	B
		— Drawing Key: Main beam ( ↑ ) Cross tee ( --- ) Hanger wire ( ✚ )								
		ES7901	24" x 48"		48" x 48"		48"		100.0 lbs.	
		ES7901	24" x 48"	12" x 48"	48" x 48"	48" x 48"	48"	48"	70.0 lbs.	100.0 lbs.
		ES7901	12" x 48"		48" x 48"		48"		69.0 lbs.	

\* Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative..

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## 15/16" Exposed Tee System

### ACCESSORIES

#### CHDC – Clear Hold Down Clip

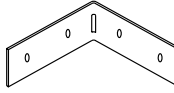
Attaches to top bulb of the suspension system to hold 1/16" to 5/8" lay-in panel in place; helps to prevent ceiling panel fluttering at entryways.



- ☐ CHDC – 50 pcs
- ☐ FZCHDC – 50 pcs

#### XTAC – Cross Tee Adapter

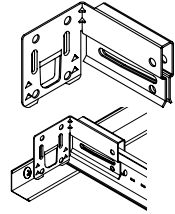
Clip – Attaches cross tees or main beams to the structural wall molding when supporting heavy loads around the perimeter of the ceiling installation.



- ☐ XTAC – 100 pcs
- ☐ FZXTAC – 50 pcs

#### BERC2 – 2" Beam End Retaining

Clip – Allows you to create a code compliant Seismic D, E, F ceiling installation while eliminating the need to use 2" wall molding or spreader bars.



- ☐ BERC2 (Steel) – 200 pcs
- ☐ FZBERC2 (Steel) – 50 pcs

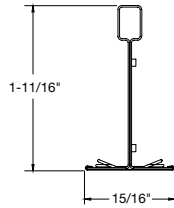
### COLOR SELECTION

White

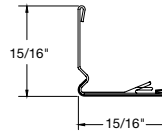


### DETAILS

15/16"  
Main Beam  
and  
Cross Tee



Clean Room  
Angle Molding  
for use with  
15/16"  
Clean Room  
Suspension  
System



### SEISMIC PERFORMANCE

#### Main Beams – Minimum Lbs. To Pull Out Compression/ Tension

ES7901 - 294.6

#### Cross Tees – Minimum Lbs. To Pull Out Compression/ Tension

ES7940, ES7920 - 492.40

#### ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number 1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

### PHYSICAL DATA

#### Material

Hot-Dipped Galvanized – Gasketed

#### Surface Finish

Baked Polyester Paint

Manufactured and tested in accordance with ASTM C635

#### Cross Tee/Main Beam Interface

Flush Fit

#### End Detail

Main Beam: Integral Hook

Cross Tee: Staked-on Clip