

# CLEAN ROOM™

15/16" Exposed Tee Suspension System  
steel



24/7  
**DEFEND™**  
Solutions for Healthier,  
Safer Spaces

CONTAIN CLEAN PROTECT



▲ Clean Room™ suspension system

This suspension system with integral gasket is designed specifically for clean rooms, food processing areas, and data centers.

### 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®
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Seismic Rx® Suspension System; ICC-ES approach to installations (ESR-1308)
- Integral gasket for better seal between panel and grid
- Integral main beam splice for easy connections and module control
- XL® staked-on end detail
- Rotary-stitched for additional torsion strength
- 10-year limited warranty; 30-year with HumiGuard® Plus

### TYPICAL APPLICATIONS

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

### COLOR



### VISUAL SELECTION

Item No.	Description	Rout Spacing	Dimensions (Inches)	HANGER SPACING* LBS./LFT			PERFORMANCE			PACKAGING				
				2 Ft.	4 Ft.	5 Ft.	Fire Guard™ Seismic Category DEF	Fog CleanAssure™ Disinfectable Grid	Spray Wipe	Pieces/ Carton	LFT/ Carton			
CLEAN ROOM Co-Extruded Steel (Gasketed) 15/16"	ES7901	12' HD Main Beam	12" O.C.	144 x 15/16 x 1-11/16"	N/A	16.7	8.4	N/A	•	•	•	•	12	144
	ES7940	4' Cross Tee	24" O.C.	48 x 15/16 x 1-11/16"	N/A	17.66	N/A	N/A	N/A	•	•	•	36	144
	ES7920	2' Cross Tee		24 x 15/16 x 1-11/16"	60.55	N/A	N/A	N/A	N/A	•	•	•	36	72
	ES7801	12' Hemmed Angle Molding		144 x 15/16 x 15/16"									30	360

\* Simple Span

Dots represent high level of performance.

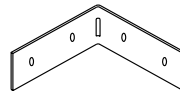
### ACCESSORIES

**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.



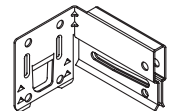
CHDC – 50 pcs  
FZCHDC – 50 pcs

**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



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**LEED® WELL™ LBC**

UP TO **63% RECYCLED CONTENT**

energy management  construction waste mgmt  regional materials  design for flexibility  EPD  recyclable/producer resp.  biobased materials  recycled content  sourcing of raw materials  material ingredient reporting  low emitting materials  lighting quality  acoustics

Calculate sustainability with GreenGenie™ [armstrongceilings.com/greengenie](http://armstrongceilings.com/greengenie)

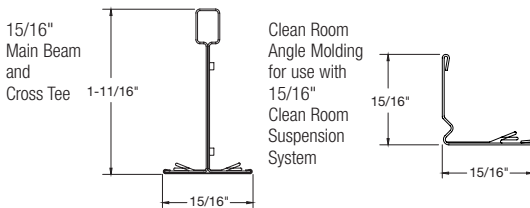
Well Building Standard™ (WELL) Living Building Challenge® (LBC)

### MAXIMUM FIXTURE WEIGHT

Item No.	CONFIGURATION		FIXTURE*		PLANNING MODULE		HANGER SPACING		MAXIMUM WEIGHT	
	A	B	A	B	A	B	A	B	A	B
Main Beam to Main Beam ES7901			24" x 48"	N/A	48" x 48"	N/A	48"	N/A	100.0 lbs.	N/A
			24" x 48"	12" x 48"	48" x 48"	48" x 48"	48"	48"	70.0 lbs.	100.0 lbs.
			12" x 48"	N/A	48" x 48"	N/A	48"	N/A	69.0 lbs.	N/A

\* 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..

### DETAILS



### 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

**Cleaning and Disinfecting**  
Cleaning and CDC recommended disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning)

**End Detail**  
Main Beam: Integral Hook  
Cross Tee: Staked-on Clip

