

# CLEAN ROOM™

15/16" and 1-1/2" Exposed Tee Suspension System  
aluminum



**SUSTAIN™**  
High Performance  
Sustainable  
Ceiling Systems



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, Ultima® Health Zone™, and Optima® Health Zone™
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Seismic Rx® Suspension System; ICC-ES approach to installations (ESR-1308)
- Wall Gasketed angle molding ensures a superior seal against the wall, eliminating the need for caulking at the perimeters
- 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
- Clean Room 15/16" and 1-1/2" are part of the Sustain™ portfolio and meets the most stringent industry sustainability compliance standards today
- Clear Hold Down Clip (CHDC) now part of the Sustain® portfolio
- 10-year limited warranty; 30-year with HumiGuard® Plus






## COLOR



## TYPICAL APPLICATIONS

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

## VISUAL SELECTION

					HANGER SPACING* LBS./LFT			<div><div>Fire Guard™ </div><div>Seismic Category </div><div>CleanAssure™ Disinfectable Grid <div><div>Fog </div><div>Spray </div><div>Wipe </div></div></div></div>					Pieces/ Carton	LFT/ Carton	
	Item No.	Description	Rout Spacing	Dimensions (Inches)	2 FT.	4 FT.	5 FT.								
CLEAN ROOM Co-Extruded Aluminum (Gasketed) 15/16"	EA7900	12' ID Main Beam	12" O.C.	144 × 15/16 × 2"	N/A	14.1	N/A	N/A	N/A	*	*	*		20	240
	EA7940	4' Cross Tee	12" O.C.	48 × 15/16 × 2"	N/A	12.65	N/A	N/A	N/A	*	*	*		60	240
	EA7920	2' Cross Tee		24 × 15/16 × 2"	41.9	N/A	N/A	N/A	N/A	*	*	*		60	120
	EA7812**	12' Hemmed Angle Molding		144 × 15/16 × 15/16"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		30	360
	EA7812WG**	12' Hemmed Angle Molding with Wall Gasket		144 × 15/16 × 15/16"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		30	360
Other Sizes	Main beams L: 36" - 144" / Cross tees L: 24" - 144" / Rout spacing 6" from ends, 12" thereafter													Varies	Varies
CLEAN ROOM Co-Extruded Aluminum (Gasketed) 1-1/2"	EA79015	12' HD Main Beam	12" O.C.	144 × 1-1/2 × 2"	N/A	16.7	8.4	N/A	*	*	*	*	*	12	144
	EA79415	4' Cross Tee	12" O.C.	48 × 1-1/2 × 2"	N/A	17.66	N/A	N/A	N/A	*	*	*		36	144
	EA79215	2' Cross Tee		24 × 1-1/2 × 2"	60.55	N/A	N/A	N/A	N/A	*	*	*		36	72

\* Simple Span  
\*\* EA7812 and EA7812WG to be used with both 15/16" and 1-1/2"

Dots represent high level of performance.

## ACCESSORIES

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.

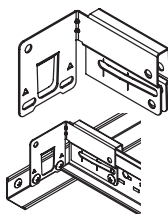
ALBERC2 (aluminum) – 200 pcs

BERC2 (Steel) – 200 pcs

FZBERC2 (Steel) – 50 pcs

ALBERC2 (Aluminum) – 200 pcs

FZALBERC2 (Aluminum) – 50 pcs

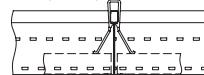


CHDC – Clear Hold Down Clip – Attaches to top bulb of the suspension system to hold 1/16" to 5/8" lay-in panel in place; helps to prevent ceiling panel fluttering at entryways.

**Now Sustain®**

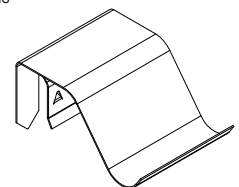
CHDC – 50 pcs  
FZCHDC – 50 pcs

Clear Hold Down Clip (CHDC)



BHDC – Border Hold Down Clip – Attaches to Angle Molding to hold down perimeter panels

BHDC – 100 pcs



TechLine 877 276-7876

armstrongceilings.com/cleanroomgrid

**Armstrong®**  
World Industries

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aluminum



**SUSTAIN™**  
High Performance  
Sustainable Ceiling Systems

**Declare.**

RECYCLED  
CONTENT

UP TO  
**50%**

**LEED V5**

Ecomedes Data

## COMMON MATERIALS FRAMEWORK

Human Health	<b>Declare Label</b>	Climate Health	<b>EPD</b>
	<b>HPD</b>	Ecosystem Health	<b>EPD</b>
	<b>3rd Party CDPH</b>	Circular Economy	<b>✓</b>

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 EA79015			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
Cross Tee to Cross Tee EA79415			24" x 48"	24" x 24"	48" x 48"	48" x 48"	48"	48"	100.0 LBS.	100.0 LBS.

Main beams tested as follows: EA79015 tested at 16.74 LBS/LF to 1/360 of 4' span.

48" cross tees tested as follows: EA79415 tested at 18.4 LBS/LF to 1/360 of 4' span.

## Main Beam | Hanger Wire (-)

\* 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.

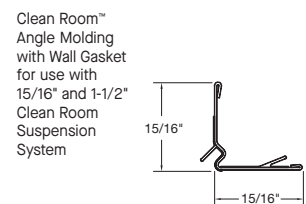
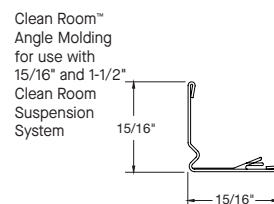
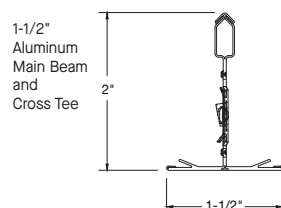
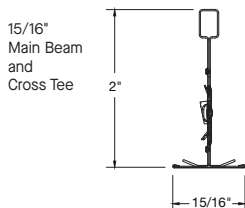
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 LB/SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C 636.

## LIGHT FIXTURES

NOTE: Specify light fixtures designed to install with 2" web height suspension systems.

Manufacturer	Item #
Lithonia	CLRM-150 SRT-2x4_F MP4270
Guth	KLEENSEAL KRT 200
Morlite	CRGHEPA24 Series

## DETAILS



## SEISMIC PERFORMANCE

Main Beams  
EA79015, EA7900  
Minimum LBS. To Pull Out Compression/Tension  
294.6

Cross Tees\*\*  
EA79415, EA79215, EA7940, EA7920  
\*\* Requires use of #6 Phillips self-tapping screw  
through cross tee end detail.  
Minimum LBS. To Pull Out Compression/Tension  
492.4

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 re-examination, revisions, and possible cancellation.

## PHYSICAL DATA

Material  
1-1/2" Aluminum with aluminum capped face- Gasketed  
15/16" Aluminum with aluminum capped face- Gasketed  
Surface Finish  
Baked polyester  
White aluminum - Capped face — Manufactured and tested in  
accordance with ASTM C635

Cross Tee/Main Beam Interface  
Co-Extruded Aluminum Clean Room - Flush Fit  
Cleaning and Disinfecting  
Cleaning and CDC-recommended disinfecting options  
available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning)  
End Detail for 1-1/2"  
Main Beam: Integral  
Cross Tee: Staked-on clip

End Detail for 15/16"  
Main Beam: Integral  
Cross Tee: Staked-on clip  
Design Consideration  
If your project requires caulking at the perimeter, consider wall  
angle EA7812WG for a more precise, controlled seal.