CLEAN ROOM™
Aluminum
15/16" and 1-1/2" Exposed Tee System

Item No. | Face Profile | Description | Rout Spacing | Dimensions (Inches) | Hanger Spacing* Lbs./Lin. Ft. | Fire Guard™ Pcs./Ctn. | Lin. Ft./Ctn.
---|---|---|---|---|---|---|---
EA7900 | 15/16" | 12' ID Main Beam 12" O.C. 144 x 15/16 x 2" | 2 Ft. 4 Ft. 5 Ft. | – | 12.25 | – | 20 240
EA7940 | 15/16" | 4' Cross Tee 24" O.C. 48 x 15/16 x 2" | – | 15.32 | – | – | 60 240
EA7920 | 15/16" | 2' Cross Tee – 24 x 15/16 x 2" | – | 66.62 | – | – | –
EA7812 | 15/16" | Other Sizes Main beams L: 24" - 144" / Cross tees L: 24" - 56" / Rout spacing 3" from ends, 6" thereafter | – | Varies | – | – | 60 120

1-1/2 Clean Room Co-Extruded Aluminum (Gasketed)

Item No. | Face Profile | Description | Rout Spacing | Dimensions (Inches) | Hanger Spacing* Lbs./Lin. Ft. | Fire Guard™ Pcs./Ctn. | Lin. Ft./Ctn.
---|---|---|---|---|---|---|---
EA7903 | 1-1/2" | 12' HD Main Beam 12" O.C. 144 x 1-1/2 x 2" | – | 16.7 | 8.4 | – | 12 144
EA7947 | 1-1/2" | 4' Cross Tee 24" O.C. 48 x 1-1/2 x 2" | – | 17.66 | – | – | 36 144
EA7927 | 1-1/2" | 2' Cross Tee – 24 x 1-1/2 x 2" | – | 60.55 | – | – | 36 72
EA7813 | 1-1/2" | 12' Hemmed Angle Molding 144 x 15/16 x 15/16" | – | – | – | – | 30 360

**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™ Ultimate, and Health Zone Optima
- Aluminum construction for maximum corrosion resistance and non-magnetic environments.
- Clear non-ferrous hold down clip to ensure a good seal available (not required for clean room performance)
- Unique, factory-applied gaskets for better seal between panel and suspension system
- 10-year limited warranty; 30-year limited warranty with HumiGuard® Plus products

**TYPICAL APPLICATIONS**

- MRI suites (co-extruded aluminum only)
- Hospitals
- Food processing facilities
- High-tech manufacturing
- Pharmaceutical facilities

**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.

- CHDC – 50 pcs
- FZCHDC – 50 pcs

TechLine 877 276 7876
armstrongceilings.com/suspensionsystems
CLEAN ROOM™
Aluminum
15/16” and 1-1/2” Exposed Tee System

MAXIMUM FIXTURE WEIGHT

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Configuration</th>
<th>Fixture*</th>
<th>Planning Module</th>
<th>Hanger Spacing</th>
<th>Maximum Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A</td>
<td>B</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Main Beam to Main Beam</td>
<td>□ EA7903</td>
<td>24” x 48”</td>
<td>48” x 48”</td>
<td>48”</td>
<td>100.0 lbs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24” x 48”</td>
<td>12” x 48”</td>
<td>48” x 48”</td>
<td>48”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12” x 48”</td>
<td>48” x 48”</td>
<td>48”</td>
<td>69.0 lbs.</td>
</tr>
<tr>
<td>Cross Tee to Cross Tee</td>
<td>□ EA7947</td>
<td>24” x 48”</td>
<td>24” x 24”</td>
<td>48” x 48”</td>
<td>48”</td>
</tr>
</tbody>
</table>

Main beams tested as follows: EA7903 tested at 16.74 lbs./lin.ft. to 1/360 of 4’ span.

Cross tees tested as follows: EA7947 tested at 16.4 lbs./lin.ft. to 1/360 of 4’ span.

Main Beam UP 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./sq. ft., maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C 636.

COLOR SELECTION

White

LIGHT FIXTURES

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

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>ITEM #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithonia</td>
<td>CLRM-150 SRT-2x4 EMP490</td>
</tr>
<tr>
<td>Guth</td>
<td>KLEIN&quot;SEAL KRT 200</td>
</tr>
<tr>
<td>Morlite</td>
<td>CRGHEPA24 Series</td>
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</tbody>
</table>

DETAILS

15/16” Aluminum Main Beam and Cross Tee

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

1-1/2” Aluminum Main Beam and Cross Tee

Clean Room Angle Molding for use with 1-1/2” Clean Room Suspension System

SEISMIC PERFORMANCE

Main Beams
EA7903, EA7900

Minimum Lbs. To Pull Out Compression/Tension
294.6

Cross Tees
*EA7947, EA7927, EA7940, EA7920

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 reexamination, revisions, and possible cancellation.

* Note: Requires use of #6 Phillips self-tapping screw through cross tee end detail.

PHYSICAL DATA

Material
1-1/2” Co-Extruded Aluminum with PVC face – Gasketed
15/16” Co-Extruded Aluminum with aluminum-capped face – Gasketed
Surface Finish
Textured PVC for 1-1/2”
Baked polyester for 15/16”
White aluminum – Capped face

Manufactured and tested in accordance with ASTM G935

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(search: suspensionsystem)
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