

# SUPRAFINE® XL® & ML SUPRAFINE XL High Recycled Content (HRC) Exposed Tee Suspension System



Suprafine XL suspension system

This versatile 9/16" suspension system combines durability and stability with a refined appearance.

## KEY SELECTION ATTRIBUTES

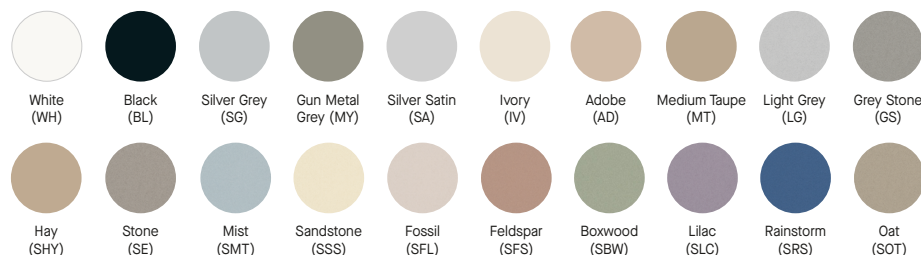
- Suprafine® XL® & ML and Suprafine XL HRC are part of the Sustain™ portfolio and meet the most stringent industry sustainability compliance standards today
- Seismic Rx® Suspension System saves time and money; Armstrong offers an ICC-ES approach to installations (ESR-1308)
- PeakForm® profile increases strength and stability for improved performance during installation
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC-approved disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning))
- SuperLock™ main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Some items available in metric sizes
- 1-11/16" web height keeps components vertical and stable at light fixture interface
- 10-Year Limited Warranty; 30-Year Limited Ceiling Systems Warranty when used with HumiGuard® Plus products
- Made-to-Order main beams and cross tees can be ordered for your project needs in one carton minimums
- Fire Guard™ options offer UL® design fire-rated performance
- Linear lighting integration is easy with made-to-order main-beam-to-cross-tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths)
- Blizzard White and Charcoal Black powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual

## Suprafine XL High Recycled Content (HRC)

- Build America, Buy America (BABA) Act Compliant
- Suprafine XL High Recycled Content (HRC) suspension system is part of the Sustain portfolio, meets stringent Sustain requirements, and contributes to improved LEED credits.

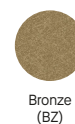
## COLORS AND FINISHES Due to printing limitations, shade may vary from actual product.

### Standard

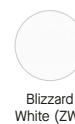


Custom Colors Available\*

### Premium



### Powder-Coated Finishes



NOTE: Powder-coated finishes are also available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

\* Colors that are pre-qualified to meet Sustain™ portfolio requirements are available upon request. Other made-to-order colors must be evaluated if sustainability criteria is required. Lead time will increase. NOTE: 360° paint finishes and custom colors available as special order.

## VISUAL SELECTION

|                                                           | Item No. ♦                           | Description      | Rout Spacing      | Dimensions (Inches)   | HANGER SPACING* LBS./LFT |       |
|-----------------------------------------------------------|--------------------------------------|------------------|-------------------|-----------------------|--------------------------|-------|
|                                                           |                                      |                  |                   |                       | 4 Ft.                    | 5 Ft. |
| SUPRAFINE® XL® & SUPRAFINE XL High Recycled Content 9/16" | 7501_ _ _<br>7501HRC<br>8501<br>7536 | 12' HD Main Beam | 6" O.C.           | 144 × 9/16 × 1-11/16" | 16.86                    | 10.62 |
|                                                           | 7500_ _ _<br>7500HRC<br>8500         | 12' ID Main Beam | 6" O.C.           | 144 × 9/16 × 1-11/16" | 12.75                    | 5.74  |
|                                                           | 7502_ _ _                            | 10' ID Main Beam | 6" O.C.           | 120 × 9/16 × 1-11/16" | 12.75                    | 5.74  |
|                                                           | XL7580_ _ _                          | 8' Cross Tee     | 12" O.C.          | 96 × 9/16 × 1-11/16"  | 12.73**                  | N/A   |
|                                                           | XL7590_ _ _                          | 6' Cross Tee     | 12" O.C.          | 72 × 9/16 × 1-11/16"  | 12.73**                  | N/A   |
|                                                           | XL7558_ _ _                          | 5' Cross Tee     | 6", 20", 30" O.C. | 60 × 9/16 × 1-11/16"  | N/A                      | 5.80  |

\*\* Wire at 4'  
♦ When specifying or ordering items with a color or finish, add the two- or three-letter suffix to the end of the item number (e.g. 7501 L G \_ - Light Grey)  
♦ Available in White (WH), and Blizzard White and Charcoal Black powder-coated finishes only  
NOTE: Additional Suprafine XL items for TechZone® Integrated Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at [armstrongceilings.com/techzone](http://armstrongceilings.com/techzone)

## PERFORMANCE

| Fire Guard™<br>Seismic Category | CleanAssure™ Disinfectable Grid |       |      |
|---------------------------------|---------------------------------|-------|------|
|                                 | Fog                             | Spray | Wipe |
| N/A                             | *                               | *     | *    |
| N/A                             | *                               | *     | *    |
| N/A                             | *                               | *     | *    |
| N/A                             | N/A                             | *     | *    |
| N/A                             | N/A                             | *     | *    |
| N/A                             | *                               | *     | *    |
| N/A                             | *                               | *     | *    |
| N/A                             | *                               | *     | *    |

Dots represent high level of performance.

## PACKAGING

| PCS/CTN | LF7/CTN |
|---------|---------|
| 20      | 240     |
| 20      | 240     |
| 20      | 240     |
| 20      | 240     |
| 20      | 240     |
| 20      | 200     |
| 20      | 160     |
| 20      | 120     |
| 60      | 300     |

ASTM Class  
HD - Heavy-duty  
ID - Intermediate-duty  
LD - Light-duty

Ecomedes Data 

3rd Party CDPH Circular Economy 

## SUSPENSION SYSTEMS - Standard

ASTM Class  
HD - Heavy-duty  
ID - Intermediate-duty  
LD - Light-duty

**Armstrong®**  
World Industries

# SUPRAFINE® XL® & ML SUPRAFINE XL High Recycled Content (HRC) Exposed Tee Suspension System



Declare.

RECYCLED  
CONTENT

UP TO  
**63%**

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

Declare Label

Climate Health

EPD

HPD

Ecosystem Health

EPD

3rd Party CDPH

Circular Economy



## VISUAL SELECTION

## PACKAGING

|                                                                                                                                                                           | Item No. ♦             | Description                | Length | (A)<br>Flange | (B)<br>Flange | (C)<br>Reveal | (D)<br>Reveal |             |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------|--------|---------------|---------------|---------------|---------------|-------------|-------------|
| Suggested Wall Moldings<br>and Shadow Moldings<br>(Additional molding<br>options available)<br>(Blue Numbers are<br>BABA Compliant<br>and High Recycled<br>Content Items) | 7808_ _ ††             | 10' Hemmed Angle Molding   | 120"   | 2"            | 2"            | N/A           | N/A           |             |             |
|                                                                                                                                                                           | 7804_ _ -<br>7804HRC   | 12' Hemmed Angle Molding   | 144"   | 9/16"         | 7/8"          | N/A           | N/A           | PCS/<br>CTN | LFT/<br>CTN |
|                                                                                                                                                                           | 7800_ _ - †<br>7800HRC | 12' Hemmed Angle Molding   | 144"   | 7/8"          | 7/8"          | N/A           | N/A           | 30          | 360         |
|                                                                                                                                                                           | 7835                   | 10' Channel Molding        | 120"   | 7/8"          | 1-3/4"        | 3/8"          | N/A           | 20          | 200         |
|                                                                                                                                                                           | 7873_ _ ♦              | 10' Shadow Molding         | 120"   | 9/16"         | 15/16"        | 3/8"          | N/A           | 30          | 300         |
|                                                                                                                                                                           | 7874_ _ ♦              | 10' Shadow Molding         | 120"   | 9/16"         | 15/16"        | 1/4"          | N/A           | 30          | 300         |
|                                                                                                                                                                           | 7878_ _ - ** †         | 10' Seismic Shadow Molding | 120"   | 15/16"        | 15/16"        | 3/8"          | N/A           | 30          | 300         |
|                                                                                                                                                                           | 7889_ _ ♦              | 10' Shadow Molding         | 120"   | 9/16"         | 15/16"        | 3/8"          | 1/4"          | 30          | 300         |
|                                                                                                                                                                           | 7850_ _ ♦              | 12' Hemmed Angle Molding   | 144"   | 1-1/8"        | 7/8"          | N/A           | N/A           | 30          | 360         |

\*\* Suitable for IBC Category D,E,F installations using Armstrong® Seismic Rx® suspension system and BERC2 Clip

♦ When specifying or ordering items with a color or finish, add the two- or three-letter suffix to the end of the item number (e.g., 7808 L G \_ - Light Grey)

♦ Available in White (WH), and Blizzard White (ZW) and Charcoal Black (ZB) powder-coated finishes only

† Not available in Silver Grey (SG), Gun Metal Grey (MY), or Silver Satin (SA).

†† Available in White (WH), Silver Grey (SG), Silver Satin (SA), and Blizzard White (ZW) and Charcoal Black (ZB) powder-coated finishes only

## MAXIMUM FIXTURE WEIGHT

Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (+)

|                           | Configuration |   | Item<br>No.                | Fixture   |           | Planning Module |           | Hanger Spacing |     | Maximum Weight |            |
|---------------------------|---------------|---|----------------------------|-----------|-----------|-----------------|-----------|----------------|-----|----------------|------------|
|                           | A             | B |                            | A         | B         | A               | B         | A              | B   | A              | B          |
| Main Beam to<br>Main Beam |               |   | 8500/7500/7502<br>7501     | 24" x 48" | 24" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 73.36 lbs.     | 57.07 lbs. |
|                           |               |   |                            | 24" x 48" | 24" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 100 lbs.       | 70.8 lbs.  |
|                           |               |   | 7500/7502<br>7501          | 12" x 48" | 12" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 68 lbs.        | 44 lbs.    |
|                           |               |   |                            | 12" x 48" | 12" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 85 lbs.        | 61 lbs.    |
| Cross Tee to<br>Cross Tee |               |   | XL7540<br>XL7541<br>ML7540 | 24" x 48" | 24" x 24" | 48" x 48"       | 48" x 48" | 48"            | 48" | 55 lbs.        | 67 lbs.    |
|                           |               |   |                            | 24" x 48" | 24" x 24" | 48" x 48"       | 48" x 48" | 48"            | 48" | 73 lbs.        | 84 lbs.    |
|                           |               |   | ML7540<br>XL7541           | 24" x 48" | 12" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 65.71 lbs.     | 76 lbs.    |
|                           |               |   |                            | 24" x 48" | 12" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 46 lbs.        | -          |
|                           |               |   |                            | 24" x 48" | 12" x 48" | 48" x 48"       | 48" x 48" | 48"            | 48" | 52 lbs.        | -          |

Cross tees tested as follows: 48" cross tee tested at 10.34 lbs./lin. ft. to 1/360 of 4' span.

Fixtures weighing more than 56 lbs. should be independently supported. Light fixture clips are required at all fixture locations.

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 C636. To derive maximum lbs/sf, divide the O.C. spacing of the component into the lbs/lf given in the load test data table.

# SUPRAFINE® XL® & ML

## SUPRAFINE XL

### High Recycled Content (HRC)

### Exposed Tee Suspension System



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UP TO  
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Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

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## ACCESSORIES

| Item No.  | Description                                                                                                                                                                  | PCS/<br>CTN |  | Item No. | Description                                                                                                               | PCS/<br>CTN |  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|----------|---------------------------------------------------------------------------------------------------------------------------|-------------|--|
| BERC2     | 2" Beam End Retaining Clip<br>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. |             |  | ES49     | Expansion Sleeves<br>For 9/16" Suprafine                                                                                  |             |  |
| BERC2     | Steel                                                                                                                                                                        | 200         |  | ES49     |                                                                                                                           | 200         |  |
| FZBERC2   | Steel                                                                                                                                                                        | 50          |  | FZES49   |                                                                                                                           | 50          |  |
| ALBERC2   | Aluminum                                                                                                                                                                     | 200         |  | GCWA     | Grip Clip Wall Attachment<br>Joins main beam or cross tee to wall molding via locking barbs without pop rivets or screws. |             |  |
| FZALBERC2 | Aluminum                                                                                                                                                                     | 50          |  | GCWA     |                                                                                                                           | 200         |  |
| STAC      | Single Tee Adapter Clip<br>Used to create code-compliant non-seismic and seismic C and D, E, F off-module main beam to cross tee connections.                                |             |  | FZGCWA   |                                                                                                                           | 50          |  |
| STAC      |                                                                                                                                                                              | 100         |  |          |                                                                                                                           |             |  |
| FZSTAC    |                                                                                                                                                                              | 50          |  |          |                                                                                                                           |             |  |

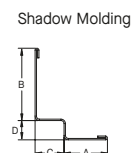
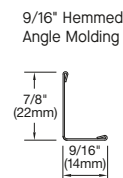
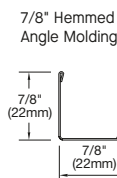
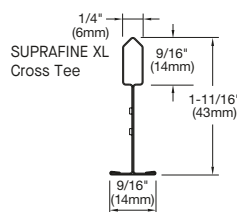
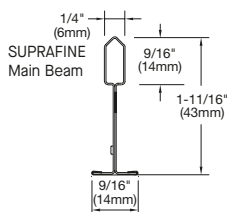
## DETAILS



SUPRAFINE® XL®  
Cross Tee



SUPRAFINE ML  
Cross Tee



## SEISMIC PERFORMANCE

### Main Beams

7501, 7501HRC, 7504, 7505, 7507, 7536, 8501

Minimum Lbs. To Pull Out Compression/Tension

335.0, 352.0, 130.0

### Cross Tees

All XL cross tees exceed 300 lbs. in both compression and tension.

### ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-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 steel

### Surface Finish

Baked polyester paint or powder-coated

Manufactured and tested in accordance with ASTM C635

### Face Dimension

9/16"

### Profile

Exposed tee

### Installation Consideration

If pop-riveting must be used on powder-coated material, pre-drill with a sharp 1/8" drill bit to minimize potential paint chipping.

### Design Considerations

Physical product samples for standard and custom colors are available upon request. Please refer to the physical product sample prior to making a final selection. While we strive to ensure exact color matches, various factors such as differences in materials, texture, substrate porosity, painting processes, lighting, and observer subjectivity can all affect how paint colors appear on ceiling and wall panels, suspension systems, and trim products. Due to these and other differences, ceiling and wall panels, trim products, and suspension systems with the same color name will coordinate but may not be an exact color match. Product is dye-lotted. Order sufficient initial quantities and attic stock to minimize possible color variation.

All acoustical grid and Axiom trim accessories (a.k.a. clips) are supplied as unpainted items. Exposed clips will need to be field painted after installation, if required for the project. This ensures accessories meet the tested performance criteria and adhere to AWI installation instructions and warranted products or systems.

### Cross Tee/Main Beam Interface

XL – Override

ML – Flush fit

### End Detail

Main Beam: Staked-on clip

XL Cross Tee: Staked-on clip

ML Cross Tee: Staked-on hook clip

### Duty Classification

Intermediate or Heavy-duty

### Cleaning & Disinfecting

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