

SUSTAIN
High Performance
Sustainable
Ceiling Systems



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)
 - **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, rotr 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



* 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.

Premium



Custom Color Available*

Bronze
(BZ)

Powder-Coated Finishes

Blizzard
White (ZW)

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

VISUAL SELECTION

					HANGER SPACING* LBS./LFT	
	Item No. ♦	Description	Roof Spacing	Dimensions (Inches)	4 Ft.	5 Ft.
SUPRAFINE® XL® & SUPRAFINE XL High Recycled Content 9/16" (Red Numbers are Fire Guard™ items) (Blue Numbers are BABA Compliant and High Recycled Content Items)	7501__	12' HD Main Beam	6" O.C.	144 × 9/16 × 1-11/16"	16.86	10.62
	7501HRC					
	8501		4" O.C.			
	7536					
	7500__ ♦	12' ID Main Beam	6" O.C.	144 × 9/16 × 1-11/16"	12.75	5.74
	7500HRC					
	8500					
	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

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

PERFORMANCE

		CleanAssure™ Disinfectable Grid			
Fire Guard™	Seismic Category	Fog	Spray	Wipe	
					
N/A	•	•	•	•	
N/A	•	•	•	•	
N/A	•	•	•	•	
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	LFT/ CTN
20	240
20	240
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

VISUAL SELECTION

					HANGER SPACING* LBS./LFT	
	Item No. ♦	Description	Roof Spacing	Dimensions (Inches)	4 Ft.	5 Ft.
SUPRAFINE® XL® & SUPRAFINE XL High Recycled Content 9/16" (Red Numbers are Fire Guard™ items) (Blue Numbers are BABA Compliant and High Recycled Content Items)	XL7541HRC	4' Cross Tee	12" O.C.	48 x 9/16 x 1-11/16"	12.73	N/A
	XL7540__ _ – XL7540HRC XL8540	4' Cross Tee	12" O.C.	48 x 9/16 x 1-11/16"	10.34	N/A
	XL7549__ _ ♦	4' Cross Tee	12" O.C.	48 x 9/16 x 1-11/16"	16.42	N/A
	XL7530__ _ ♦	3' Cross Tee	N/A	36 x 9/16 x 1-11/16"	N/A	N/A
	XL7570__ _ ♦	30" Cross Tee	N/A	30 x 9/16 x 1-11/16"	28.67	N/A
	XL7520__ _ – XL7520HRC	2' Cross Tee	N/A	24 x 9/16 x 1-11/16"	51.83 @ 2'	N/A
	XL8520 XL8520HRC	2' Cross Tee	N/A	24 x 9/16 x 1-11/16"	58.5 @ 2'	N/A
	XL7510__ _ ♦	1' Cross Tee	N/A	12 x 9/16 x 1-11/16"	51.83	N/A
Size Capabilities NOTE: Up to 6 weeks for color and size combinations.		Main Beam Length	Cross Tee Length	N/A	N/A	N/A
		36" – 144" Roof spacing 3" from ends, 4" thereafter	3" – 144"			
SUPRAFINE® XL® items for TechZone® Ceiling Systems 9/16" Additional items available in TechZone Technical Guide – BPCS-4486 or armstrongceilings.com/techzone	7504__ _ ♦	120" HD Main Beam	15", 42", 48", 75", 102", 108" O.C.	120 x 9/16 x 1-11/16"	12.75	10.62
	7505__ _ ♦	100" HD Main Beam	2", 26", 50", 74", 98" O.C.	100 x 9/16 x 1-11/16"	N/A	N/A
	7507__ _ ♦	144" HD Main Beam	15", 36", 42", 63", 84", 90", 11",132", 138" O.C.	144 x 9/16 x 1-11/16"	N/A	N/A
	7508__ _ ♦	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122" O.C.	132 x 9/16 x 1-11/16"	N/A	N/A
	TZXL7556__ _ †	56" Cross Tee	N/A	56 x 9/16 x 1-11/16"	N/A	N/A
	XL7562__ _ ♦	42" Cross Tee	N/A	42 x 9/16 x 1-11/16"	12.34	N/A
	XL7528__ _ ♦	28" Cross Tee	N/A	28 x 9/16 x 1-11/16"	N/A	N/A
	XL7561__ _ ♦	21" Cross Tee	N/A	21 x 9/16 x 1-11/16"	N/A	N/A
	XL7506__ _ ♦	6" Cross Tee	N/A	6 x 9/16 x 1-11/16"	N/A	N/A
	XL7504__ _ ♦	4" Cross Tee	N/A	4 x 9/16 x 1-11/16"	N/A	N/A
SUPRAFINE ML 9/16"	ML7540__ _ ♦	4' Cross Tee	N/A	48 x 9/16 x 1-11/16"	10.34	N/A
	ML7520__ _ ♦	2' Cross Tee	N/A	24 x 9/16 x 1-11/16"	51.80	N/A

* Simple Span
 ** 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. XL7540 L G _ - Light Grey)
 ❖ Available in White (WH), and Blizzard White (ZW) and Charcoal Black (ZB) powder-coated finishes only
 † Available in Black (BL), Silver Grey (SG), and Gun Metal Grey (MY) 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

PERFORMANCE

[illegible]

Dots represent high level of performance.

PACKAGING

PCS/ CTN	LF/ CTN
60	240
60	240
60	240
60	240
60	180
60	150
60	120
60	120
60	120
60	120
120	120
Varies	Varies
20	200
20	166
20	240
20	220
60	280
60	210
60	140
60	105
60	30
60	20
60	240
60	120

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

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



LEED® WELL | LBC

UP TO 63% RECYCLED CONTENT

energy management

construction waste mgmt

regional materials

design for flexibility

EPD

recyclable/extended producer resp.

biobased materials

recycled content

sourcing of raw materials

material ingredient reporting

low emitting materials

lighting quality

acoustics

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armstrongceilings.com/ecomedes

LOCATION DEPENDENT

VISUAL SELECTION

	Item No. ♦	Description	Rout Spacing	Dimensions (Inches)	HANGER SPACING* LBS./LFT		Fire Guard™	Seismic Category	CleanAssure™ Disinfectable Grid	Fog	Spray	Wipe	PCS/CTN	LFT/CTN
					4 Ft.	5 Ft.								
SUPRAFINE XL 360° Painted Grid to match Axiom® Trim	AX75013_ _ _	12' ID Main Beam, N/A Routs 6" O.C.	N/A	144 × 9/16 × 1-11/16"	16.86	10.62	N/A	N/A	*	*	*		20	240
9/16"	AX75203_ _ _	2' Cross Tee	N/A	24 × 9/16 × 1-11/16"	51.83	N/A	N/A	N/A	*	*	*		60	120
	AX75403_ _ _	4' Cross Tee	N/A	48 × 9/16 × 1-11/16"	10.34	N/A	N/A	N/A	*	*	*		60	240

* Simple Span
♦ 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. AX75003 L G _ - Light Grey)

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VISUAL SELECTION

	Item No. ♦	Description	Length	(A) Flange	(B) Flange	(C) Reveal	(D) Reveal	PCS/CTN	LFT/CTN
Suggested Wall Moldings and Shadow Moldings (Additional molding options available) (Blue Numbers are BABA Compliant and High Recycled Content Items)									
	7808_ _ ††	10' Hemmed Angle Molding	120"	2"	2"	N/A	N/A		
	7804_ _ _ 7804HRC	12' Hemmed Angle Molding	144"	9/16"	7/8"	N/A	N/A		
	7800_ _ _† 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 No.	Fixture		Planning Module		Hanger Spacing		Maximum Weight	
	A	B		A	B	A	B	A	B	A	B
Main Beam to Main Beam			8500/7500/7502 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 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 Cross Tee			XL7540 XL7541 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 XL7541	24" x 48"	24" x 24"	48" x 48"	48" x 48"	48"	48"	65.71 lbs.	76 lbs.
				24" x 48"	24" x 24"	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.	-
				24" x 48"	12" x 48"	48" x 48"	48" x 48"	48"	48"	-	-

Main beams tested as follows: 7500 tested at 12.7 lbs./lin. ft. to 1/360 of 4' span; 7501 tested at 16.86 lbs./lin. ft. to 1/360 of 4' span; 8500 tested at 13.3 lbs./lin. ft. to 1/360 of 4' span. 48" cross tee tested at 10.34 lbs./lin. ft. to 1/360 of 4' span.

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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energy management

construction waste mgmt

regional materials

design for flexibility

EPD

recyclable/ bio-based producer resp.

biobased materials

recycled content

sourcing of raw materials

material ingredient reporting

low emitting/ materials

lighting quality

acoustics

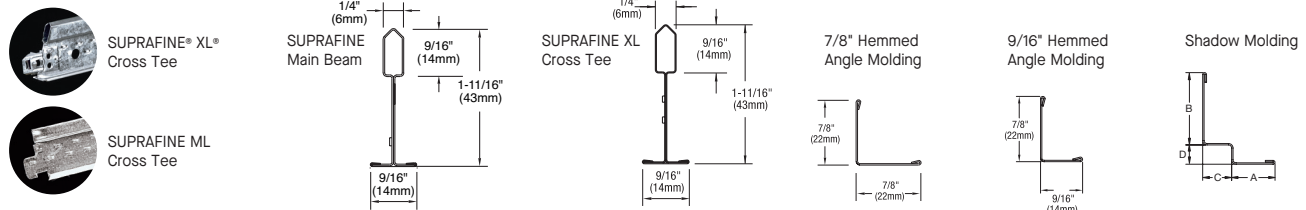
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armstrongceilings.com/ecomedes

LOCATION DEPENDENT

ACCESSORIES

Item No.	Description	PCS/CTN		Item No.	Description	PCS/CTN	
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.			ES49	Expansion Sleeves For 9/16" Suprafine		
BERC2	Steel	200		ES49		200	
FZBERC2	Steel	50		FZES49		50	
ALBERC2	Aluminum	200		GCWA	Grip Clip Wall Attachment 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 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



SEISMIC PERFORMANCE

Main Beams
7501, 7501HRC, 7504, 7505, 7507, 7536, 8501
Minimum Lbs. To Pull Out Compression/Tension
335.0

Cross Tees
XL7558, XL7540, XL7549, XL7520, XL7510, XL8520, XL7570,
XL7590, XL7580, XL8540, XL7541, 753032, 752032, ML7540,
ML7520

Minimum Lbs. To Pull Out Compression/Tension
352.0, 130.0

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