

SILHOUETTE® XL® 1/4" Reveal Slotted Tee Suspension System



Silhouette 1/4" reveal suspension system

Sophisticated slotted 9/16" suspension system with a narrow 1/4" reveal.

KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; offer an ICC-ES approach to installations (ESR-1308)
- Part of Sustain™ portfolio; meets most stringent industry sustainability compliance standards today
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter cross tees
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning)
- Hot-dipped galvanized coating inhibits red rusting
- XL® staked-on end detail
- 10-Year replacement items available
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with HumiGuard® Plus products



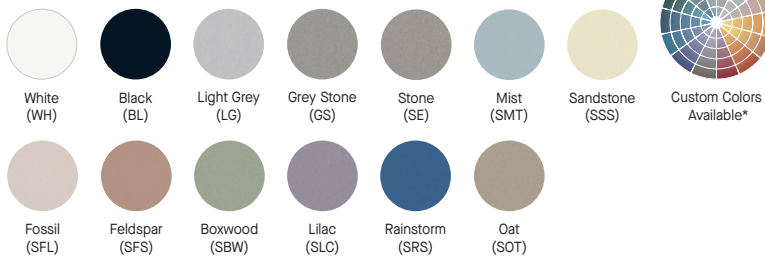
- Made-to-order main beams and cross tees can be ordered for your project needs in one carton minimums
- Some items available in metric sizes
- Blizzard White and Charcoal Black powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual

- Linear lighting integration is easy with made-to-order main beam-to-cross tee adapters, rout spacing, asmiter spacing, and short cross tees (3" to 6" lengths)

NOTE: Additional Silhouette® 1/4" reveal items for TechZone® Integrated Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrongceilings.com/techzone

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

Standard



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.

SILHOUETTE® XL® 1/4" Reveal

Slotted Tee Suspension System



Declare.

RECYCLED
CONTENT
UP TO
30%

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

Item No. ♦	Description	Rout Spacing	Notching	Dimensions (Inches)	HANGER SPACING* LBS/LF	
					4 Ft.	5 Ft.
SILHOUETTE® XL® 1/4" Reveal 9/16"	7601_ _ _	12" HD Main Beam – Notched 24" O.C.		144 × 9/16 × 1-3/4"	16.35	7.80
	7612_ _ ♦	12" HD Main Beam – Unnotched		144 × 9/16 × 1-3/4"	16.35	7.80
	7600_ _ †	12" ID Main Beam – Notched		144 × 9/16 × 1-3/4"	13.10	6.61
	7602_ _ ♦	10" ID Main Beam – Notched		120 × 9/16 × 1-3/4"	13.10	6.61
	7603_ _ ♦	12" ID Main Beam – Notched		144 × 9/16 × 1-3/4"	13.10	6.61
	7606_ _ ♦	10" ID Main Beam – Notched		120 × 9/16 × 1-3/4"	13.10	6.61
	XL7680_ _ ♦	8' Cross Tee – Unnotched		96 × 9/16 × 1-3/4"	12.59**	N/A
	XL7690_ _ ♦	6' Cross Tee – Unnotched		72 × 9/16 × 1-3/4"	12.59**	N/A
	XL7650_ _ ♦	5' Cross Tee – Unnotched		60 × 9/16 × 1-3/4"	N/A	6.09
	XL7655_ _ ♦	5' Cross Tee – Center-notched, both sides		60 × 9/16 × 1-3/4"	N/A	5.71
	XL7654_ _ ♦	5' Cross Tee – Notched, both sides at 20", 40"		60 × 9/16 × 1-3/4"	N/A	5.71
	XL7651_ _ ♦	5' Cross Tee – Notched, one side at 20", 40"		60 × 9/16 × 1-3/4"	N/A	5.71
	XL7640_ _ †	4' Cross Tee – Unnotched		48 × 9/16 × 1-3/4"	13.53	N/A
	XL7645_ _ †	4' Cross Tee – Center-notched, both sides		48 × 9/16 × 1-3/4"	12.85	N/A
	XL7646_ _ ♦	4' Cross Tee – Center-notched, one side		48 × 9/16 × 1-3/4"	13.21	N/A
	XL7670_ _ ♦	30" Cross Tee – Unnotched		30 × 9/16 × 1-3/4"	39.86 at 2.5'	N/A
	XL7620_ _ †	2' Cross Tee – Unnotched		24 × 9/16 × 1-3/4"	69.69	71.66 at 2'
	XL7610_ _ ♦	1' Cross Tee – Unnotched		12 × 9/16 × 1-3/4"	69.69	71.66
	XL7606_ _ ♦	6" Cross Tee – Unnotched		6 × 9/16 × 1-3/4"	N/A	N/A
	XL7604_ _ ♦	4" Cross Tee – Unnotched		4 × 9/16 × 1-3/4"	N/A	N/A

Size Capabilities

NOTE: Up to 6 weeks for color and size combinations.

1 Ctn Min
FASTSIZE
2 WEEKS
order to ship

9/16" Silhouette XL 1/4" Reveal

Main Beam Length	Cross Tee Length			
36" – 144"	3" – 144"	N/A	N/A	N/A
Rout spacing 6" from ends, 12" thereafter††				

Made-to-order main beams and cross tees can be ordered with special sizes, rout spacing, and colors for your project needs in one carton minimums.

* 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. 7601 L G _ – Light Grey)

♦ Available in White (WH), and Blizzard White (ZW) powder-coated finish only

† Also available in Black Reveal (BI) and Charcoal Black (ZB)

†† For routs/notches closer than 6" from end, please contact techline@armstrongceilings.com

PERFORMANCE

Fire Gaurd™	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	*	*	*
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	*	*	*
N/A	N/A	*	*	*

Dots represent high level of performance.

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

PACKAGING

Pieces/ Carton	Lf/ Carton
20	240
20	240
20	240
20	200
20	240
20	200
20	160
20	120
30	150
30	150
60	240
60	240
60	150
60	120
60	150
60	120
120	120
60	30
60	20
Varies	Varies

SUSPENSION SYSTEMS – Standard

TechLine 877 276-7876

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SILHOUETTE® XL® 1/4" Reveal Slotted Tee Suspension System



Declare.

RECYCLED
CONTENT

UP TO
30%

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

Declare Label

HPD

3rd Party CDPH

Climate Health

EPD

Ecosystem Health

EPD

Circular Economy



VISUAL SELECTION

	Item No. ♦	Description	Rout Spacing	Notching	Dimensions (Inches)	HANGER SPACING* LBS/LF	
						4 Ft.	5 Ft.
SILHOUETTE® XL® 360° Painted Grid to match Axiom® Trim 9/16"	AX76003XX	12" HD Main Beam – Notched 24" O.C.	12" O.C.		144 x 9/16 x 1-3/4 x 1/4"	13.10	6.61
	AX76013XX	12" HD Main Beam – Notched 24" O.C.	12" O.C.		144 x 9/16 x 1-3/4 x 1/4"	16.35	7.80
	AX76103XX	1' Cross Tee – Unnotched	N/A		12 x 9/16 x 1-3/4 x 1/4"	69.69	71.66
	AX76203XX	2' Cross Tee – Unnotched	N/A		24 x 9/16 x 1-3/4 x 1/4"	69.69	71.66 @ 2'
	AX76703XX	30" Cross Tee – Unnotched	N/A		30 x 9/16 x 1-3/4 x 1/4"	39.86 @ 2.5'	N/A
	AX76453XX	4' Cross Tee – Center Notched Both Sides	N/A		48 x 9/16 x 1-3/4 x 1/4"	12.85	N/A
	AX76503XX	5' Cross Tee – Unnotched	N/A		60 x 9/16 x 1-3/4 x 1/4"	N/A	6.09

PERFORMANCE

Fire	Gaurd™	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	*	*	*	*
N/A	N/A	*	*	*	*
N/A	N/A	*	*	*	*

Dots represent high level of performance.

PACKAGING

Pieces/ Carton	LF/ Carton
20	240
20	240
120	120
60	120
60	150
60	240
30	150

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

VISUAL SELECTION

	Item No. ♦	Description	Length	(A) Flange	(B) Flange	(C) Reveal
Suggested Wall Moldings and Shadow Moldings (Additional molding options available)	7804_ _ _	12" Hemmed Angle Molding	144"	9/16"	7/8"	N/A
	7873_ _ ♦	10" Shadow Molding	120"	9/16"	15/16"	3/8"
	7878_ _ _ **††	10" Seismic Shadow Molding	120"	15/16"	15/16"	3/8"

* Simple Span

** 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. 7804 L G _ - Light Grey)

♦ Available in White (WH), and Blizzard White (ZW) powder-coated finish only

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

PACKAGING

Pieces/ Carton	LF/ Carton
30	360
30	360
30	300

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
Main Beam to Main Beam	7600/7602 7601	24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	73.0 lbs. 76.0 lbs.	73.0 lbs. 76.0 lbs.
		24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	75.0 lbs. 75.0 lbs.	75.0 lbs. 75.0 lbs.
Cross Tee to Cross Tee	XL7645 XL7646	24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	59.0 lbs. 59.0 lbs.	41.0 lbs. 41.0 lbs.
		24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	59.0 lbs. 59.0 lbs.	41.0 lbs. 41.0 lbs.

Main Beams tested as follows: 7600 tested at 13.1 lbs/LF to 1/360 of 4' span; 7601 tested at 16.35 lbs/LF to 1/360 of 4' span.

Cross tees tested as follows: XL7645 tested at 12.0 LBS/LF to 1/360 of 4' span.

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 Ceilings representative.
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./SF, maximum deflection of cross tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

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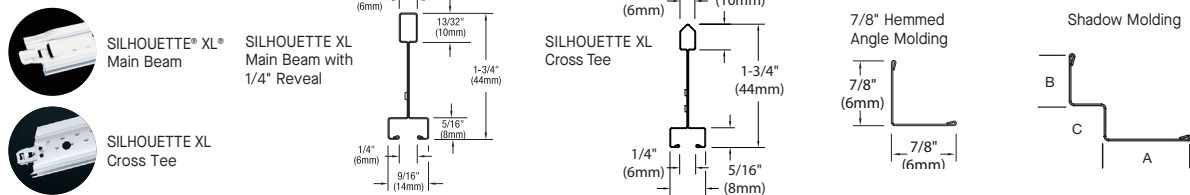
COMMON MATERIALS FRAMEWORK

Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH	Circular Economy	✓

ACCESSORIES

Item No.	Description	Pieces/ Carton		Item No.	Description	Pieces/ Carton	
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.			MCC4G	Silhouette® 1/4" Reveal Miter Closure Clip Eliminates main beam and cross tee miters.		
BERC2	Steel	200		MCC4G		200	
FZBERC2	Steel	50		FZMCC4G		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		250	
				FZGCWA		50	

DETAILS



SEISMIC PERFORMANCE

Main Beams
7600, 7606, 7602, 7601, 7603
Minimum Lbs. To Pull Out Compression/Tension
340.0, 392.9, 340.0

Cross Tees
XL7610, XL7620/802042, XL7640, XL7645/803042, XL7646, XL7650, XL7670, XL7655, XL7680, XL7690, XL7654, XL7651, XL7606, XL7604
Minimum Lbs. To Pull Out Compression/Tension
299.5

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 re-examination, revisions, and possible cancellation.

To derive maximum lbs/sf, divide the on-center spacing of the component into the lbs/lf given in the load test data table.

PHYSICAL DATA

Material
Double-web hot dipped galvanized steel
Surface Finish
Baked polyester paint or powder-coated paint
Manufactured and tested in accordance with ASTM C635
Face Dimension
9/16"
Profile
Bolt-slot
Cross Tee/Main Beam Interface
Mitered

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.

End Detail
Main Beam: Coupling
Cross Tee: Staked-on clip

Duty Classification
Intermediate or Heavy-duty

Cleaning & Disinfecting
Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

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BPCS-3157-925

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SUSPENSION SYSTEMS – Standard