

PRELUDE® Plus XL® Stainless Steel

Environmental Tee Suspension System



Prelude Plus XL steel suspension system

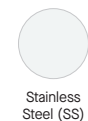
This steel 15/16" suspension system is designed for severe environmental performance.

KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; an ICC-ES approach to installations (ESR-1308)
- Systems conform to ASTM C635 for severe environmental performance
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning)
- 10-Year Limited Warranty; 30-Year Limited Warranty with HumiGuard® Plus or HumiGuard® Max products
- Special sizing and rout spacing available
- Rotary-stitching during manufacture for additional torsional strength and extra stability during installation

- XL® staked-on end detail provides secure locked connection
- Type 304, non-magnetic, stainless steel; withstands corrosive agents
- Peel-off protective film on exposed surfaces prevents scuffing and marking

COLORS



TYPICAL APPLICATIONS

- Food preparation, storage, manufacturing, and packaging areas
- Laboratories
- Chemical processing
- Shower rooms

VISUAL SELECTION

	Item No.	Description	Dimensions (Inches)	HANGER SPACING* LBS./LFT		
				2 Ft.	4 Ft.	5 Ft.
PRELUDE® Plus XL® Stainless Steel 15/16"	SS7200	12' LD Main Beam	144 x 15/16 x 1-1/2"	38.63	12.23	N/A
	XLSS7240	4' Cross Tee	48 x 15/16 x 1-1/2"	N/A	10.4	N/A
	XLSS7220	2' Cross Tee	24 x 15/16 x 1-1/2"	61.66	N/A	N/A
Molding	SS7801	10' Hemmed Angle Molding (7/8")	120 x 7/8 x 7/8"	N/A	N/A	N/A
Other Sizes	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter					
Accessories	BERC2	Steel Beam End Retaining Clip		N/A	N/A	N/A

PERFORMANCE

Fire Guard™	Seismic Category	CleanAssure™ Disinfectable Grid		
		Fog	Spray	Wipe
N/A	*	*	*	*
N/A	*	*	*	*
N/A	*	*	*	*
N/A	*	*	*	*
N/A	N/A	*	*	*

PACKAGING

Pieces/ Carton	LF/ Carton
20	240
60	240
60	120
30	300
Varies	Varies
200	N/A

* Simple Span

Dots represent high level of performance.

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

PRELUDE® Plus XL® Stainless Steel Environmental Tee Suspension System

RECYCLED
CONTENT

LEED V5

Ecomedes Data

UP TO
30%

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

Ecosystem Health

3rd Party CDPH

Circular Economy



MAXIMUM FIXTURE WEIGHT

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

Configuration	Item No.			Fixture			Planning Module			Hanger Spacing			Maximum Weight			
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
Main Beam to Main Beam				SS7200	24" x 48"	24" x 48"	12" x 48"	48" x 48"	48" x 48"	48" x 48"	48"	48"	48"	72.0 lbs.	72.0 lbs.	72.0 lbs.
Main Beams tested as follows: Main beams tested at 12.6 lbs./lin. ft. to 1/360 of 4' span.																
Cross Tee to Cross Tee				XLSS7240	24" x 48"	24" x 24"	24" x 48"	48" x 48"	48" x 48"	48" x 48"	48"	48"	48"	59.0 lbs.	41.0 lbs.	59.0 lbs.

Main Beams tested as follows: Main beams tested at 12.6 lbs./lin. ft. to 1/360 of 4' span.

Cross tees tested as follows: 48" Cross tee tested at 14.9 lbs./lin. ft. 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 representative.

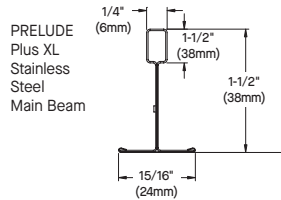
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 LB/SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

DETAILS

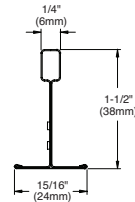
For more information, see submittal BPCS-3154 (Prelude Plus XL Stainless Steel).



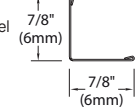
PRELUDE® Plus XL®
Stainless Steel
Cross Tee



PRELUDE
Plus XL
Stainless Steel
Cross Tee



PRELUDE
Plus XL
Stainless Steel
Wall Molding



SEISMIC PERFORMANCE

Minimum Lbs. to Pull Out
Compression/Tension
4'

Main Beams

SS7200	330.0
XL7240/7220	222.0

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

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation service 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.

MAIN BEAM LOAD TEST DATA

Main Beams	Length	Web Height	ASTM Class	Hanger Spacing (Lbs./LF. Simple Span)**	
				4'	5'
SS7200	144"	1-1/2"	Intermediate-duty	12.23	5.4

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

CROSS TEE LOAD TEST DATA

Cross Tees	Length	Web Height	Hanger Spacing (Lbs./LF. Simple Span)**
			4'
XLSS7220	24"	1-1/2"	61.66
XLSS7240	48"	1-1/2"	10.4

PHYSICAL DATA

Material

Double-web Type 304 stainless steel with polished stainless steel cap

Surface Finish

Polished stainless steel

Design Considerations

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.

Face Dimension

15/16"

Manufactured and tested in accordance with ASTM C635

Profile

Exposed tee

Cross Tee/Main Beam Interface

Override

End Detail

Main Beam: Coupling

Cross Tee: Staked-on XL Clip

Duty Classification

Intermediate-duty