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# SS PRELUDE® PLUS XL® 15/16" Environmental Tee System

SS Prelude Plus XL 15/16" Environmental Exposed Tee System offers maximum protection when severe environmental performance is required.

### Key Selection Attributes

- **Seismic Rx™** Suspension System saves time and money; ICC-ES approach to installations (ESR-1308)
- Rotary-stitching during manufacture by a patented method for additional torsional strength and extra stability during installation
- Type 304, nonmagnetic, polished stainless steel, withstands direct and indirect contact with a wide variety of corrosive agents
- System conforms to ASTM C635 for Severe Environmental Performance
- Peel off protective coating on exposed surfaces to prevent scuffing and marking during installation
- 10-year limited warranty; 30-year with HumiGuard® Plus and HumiGuard Max products

### Typical Applications

- Food preparation, storage, manufacturing and packaging areas
- Laboratories
- Chemical processing
- MRI applications

NOTE: Consult a metallurgist concerning the suitability of this system for your application.

## Product Description

### Materials

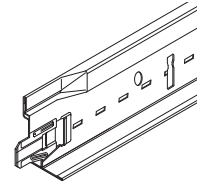
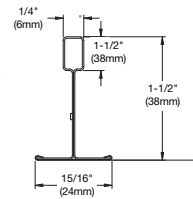
#### A. General:

ASTM C635 Intermediate-duty main beam classification, commercial-quality cold rolled Type 304 stainless steel. Entire surface chemically cleansed, with polished stainless steel capping.

#### B. Components:

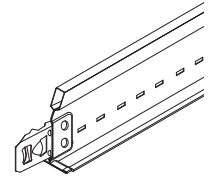
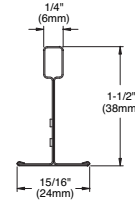
1. Main Beams: Double-web construction, web height 1-1/2" with rectangular top bulb and 15/16" flange with stainless steel capping.

- SS7200 (144", routs 6" OC, Intermediate-duty)
- Other \_\_\_\_\_



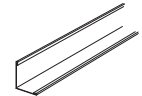
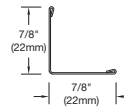
2. Cross Tees: Double-web construction, web height 1-1/2", rectangular top bulb and 15/16" flange with stainless steel capping. Staked-on end detail allows easy cross tee removal.

- XLSS7240 (48", routs 12" OC)
- XLSS7220 (24")
- Other \_\_\_\_\_



3. Wall Moldings: Hemmed all stainless steel angle molding.

- SS7801 (120", angle molding, nominal 7/8")
- Other \_\_\_\_\_



# SS PRELUDE PLUS XL

15/16" Environmental Tee System



## Product Description

### Material

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

### Surface Finish

Polished stainless steel

### Face Dimension

15/16"

### Profile

Exposed tee

### Cross Tee/Main Beam Interface

Override

### End Detail

Main Beam: Coupling

Cross Tee: Staked-on XL Clip

### Duty Classification

Intermediate-duty

### Main Beam Load Test Data

MAIN BEAM	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING (Lbs./L.F. Simple Span)**	
				4'	5'
SS7200	144"	1-1/2"	Intermediate-duty	12.23	5.4

### Cross Tee Load Test Data

CROSS TEE	LENGTH	WEB HEIGHT	HANGER SPACING (Lbs./L.F. Simple Span)**	
			4'	5'
XLSS7220	24"	1-1/2"	61.66	
XLSS7240	48"	1-1/2"	10.4	

### Seismic Performance

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
SS7200	330.0

CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XL7240/7220	222.0

### 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 reexamination, 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.

## Color Selection

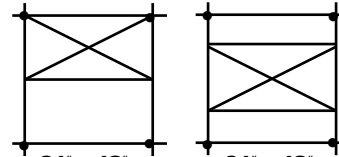
### Finish

 SS - Polished Stainless Steel

NOTE: Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

## Maximum Fixture Weight

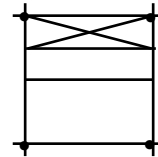
### A. Main Beam to Main Beam

Main Beam ↑  
Hanger Wire (•)

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item SS7200

24" x 48"  
48" x 48"  
48"  
72.0 lbs.

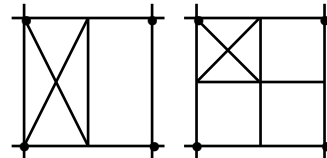
24" x 48"  
48" x 48"  
48"  
72.0 lbs.



12" x 48"  
48" x 48"  
48"  
72.0 lbs.

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

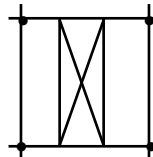
### B. Cross Tee to Cross Tee

Main Beam ↑  
Hanger Wire (•)

1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item XLSS7240

24" x 48"  
48" x 48"  
48"  
59.0 lbs.

24" x 24"  
48" x 48"  
48"  
41.0 lbs.



24" x 48"  
48" x 48"  
48"  
59.0 lbs.

48" Cross tee tested at 14.9 lbs./lin. ft. to 1/360 of 4' span.

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.

Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.

\*Fixtures weighing more than 56 lbs. should be independently supported.