

Sonata 9/16" Dimensional Tee System offers upscale architectural detailing that a co-extruded steel system provides with the benefit of installation ease.

### Key Selection Attributes

- Co-extruded steel provides crisp edge and profile detailing
- Unmitered intersection for flexibility of cross tee placement at any main beam rout location; faster to install
- XL® staked-on stab-type end detail provides secure locked connection; no special learning required
- Accommodates 24" and 30" design models
- 10-year limited warranty; 30-year with HumiGuard® Plus ceiling products

### Typical Applications

- Offices
- Lobbies and corridors
- Conference rooms
- Retail
- Hospitality

### Color Selection

- SG - Silver Grey
- WH - White
- MY - Gun Metal Grey

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

### Product Description

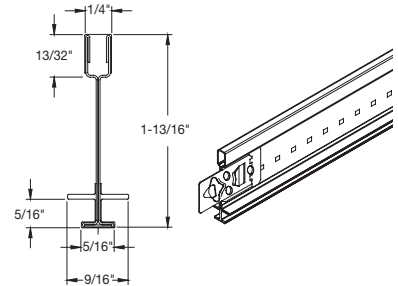
#### Materials

**A. General:** ASTM C635 Intermediate-duty and Heavy-duty main beam classification, commercial-quality co-extruded steel. Exposed surfaces are PVC.

#### B. Components:

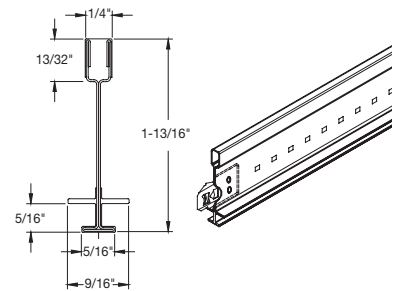
**1. Main Beams:** Co-extruded steel construction, web height 1-13/16" with square bulb and nominal 9/16" flange with 5/16" finished face flush with ceiling.

- 6501 (144", routs 12" OC, Heavy-duty)
- 6500 (144", routs 12" OC, Intermediate-duty)
- 6506 (120", routs 15" on center, Intermediate-duty)
- Other \_\_\_\_\_



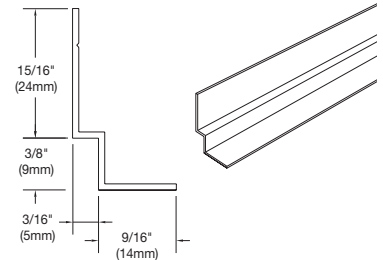
**2. Cross Tees:** Co-extruded steel construction, web height 1-13/16" with square top bulb and nominal 9/16" flange with 5/16" finished face flush with ceiling.

- XL6561 (60", routs 15" OC)
- XL6541 (48", routs 12" OC)
- XL6531 (30")
- XL6521 (24", center rout)
- XL6511 (12", no routs)
- Other \_\_\_\_\_



**3. Shadow Molding:** Co-extruded steel construction

- 7821 (144", stepped molding, nominal 9/16")
- Other \_\_\_\_\_



# SONATA® XL®

## 9/16" Dimensional Tee System

### Physical Data

#### Material

Co-extruded galvanized steel

#### Surface Finish

High-Impact PVC

#### Face Dimension

9/16"

#### Profile

Dimensional Tee

#### Cross Tee/Main Beam Interface

Flush fit and center protrusion

#### End Detail

Main Beam: Staked-on clip

Cross Tee: Staked-on clip

#### Duty Classification

Intermediate-duty

Heavy-duty

### MAIN BEAM LOAD TEST DATA

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING (Lbs./LF. Simple Span)**	
				4'	4'
6501	144"	1-13/16"	Heavy-duty		16.0
6500	144"	1-13/16"	Intermediate-duty		12.85
6506	120"	1-13/16"	Intermediate-duty		12.85

### CROSS TEE LOAD TEST DATA

CROSS TEES	LENGTH	WEB HEIGHT	HANGER SPACING (Lbs./LF. Simple Span)**			
			5'	4'	30"	2'
XL6561	60"	1-13/16"	6.43	-	-	
XL6541	48"	1-13/16"	-	14.6	-	
XL6531	30"	1-13/16"	-	-	30.9	
XL6521	24"	1-13/16"	-	-	-	68.5
XL6511	12"	1-13/16"	-	-	-	68.5

### SEISMIC PERFORMANCE

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
6500/6506/6501	322.0
CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XL6541/XL6521	258.0
XL6561/XL6531	
XL6511	

### ICBO Reports

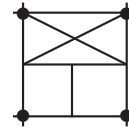
ICBO approval pending.

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

### Maximum Fixture Weight

#### A. Main Beam to Main Beam

Main Beam ↑  
Hanger Wire (•)



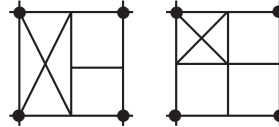
1. Fixture\*
2. Planning Module
3. Hanger Spacing
4. Item 6500B

24" x 48"  
48" x 48"  
48"  
74.0 lbs.

Main beam tested at 12.85 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 XL6541

24" x 48"      24" x 24"  
48" x 48"      48" x 48"  
48"              48"  
74.0 lbs.        85.0 lbs.

48" cross tee tested at 13.75 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 C636.

Fixture weight is based on single fixture only. For end-to-end fixtures, consult your Armstrong representative.

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