Armstrong

Recycled Content:
25%

Sonata™ 9/16″ Dimensional Tee System

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
- Staked-on stab-type end detail provides secure locked connection; no special learning required
- Accommodates virtually any fixture, especially 1′ x 4′ light fixtures
- 10-year limited warranty; 15-year with HumiGuard™ Plus ceiling products

Typical Applications

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

Product Description

Materials

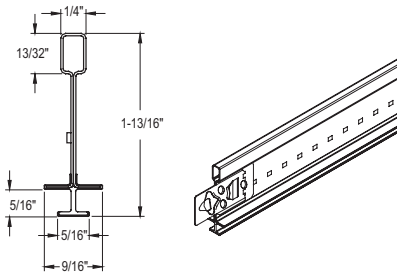
A. General:

ASTM C 635 Intermediate-duty main beam classification, commercial-quality co-extruded steel. Exposed surfaces are PVC.

B. Components:

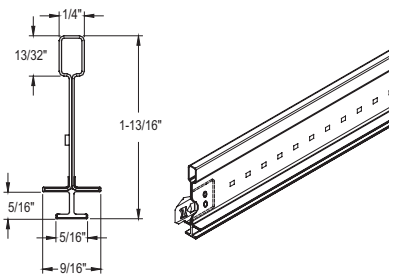
1. Main Beams: Co-extruded steel construction, web height 1-13/16″ with square bulb and nominal 9/16″ flange with 5/16″ finished face flush with ceiling.

☐ 6500A (144″, routs 12″ OC, Intermediate-duty)
☐ 6506 (120″, routs 15" on center, Intermediate-duty)
☐ 654085A (3600 mm, routs 300 mm OC, Intermediate-duty)
☐ Other _____



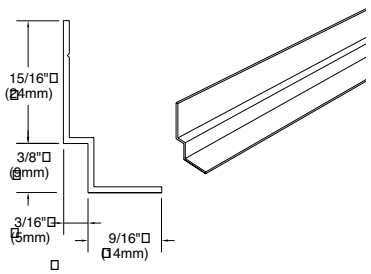
2. Cross Tees: Co-extruded steel construction, web height 1-13/16″ with square top bulb and nominal 9/16″ flange with 5/16″ finished face flush with ceiling.

☐ XL6520A (24″, center rout)
☐ 652085A (600 mm)
☐ XL6530 (30″)
☐ XL6540A (48″, routs 12″ OC)
☐ 653085A (1200 mm, routs 300 mm OC)
☐ XL6560 (60″, center rout)
☐ Other _____



3. Stepped Molding: Co-extruded steel construction

☐ 7821 (144″, stepped molding, nominal 9/16″)
☐ Other _____



Sonata

9/16″ Dimensional Tee System

Physical Data

Material
Co-extruded steel

Surface Finish
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

Main Beam Load Test Data

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING Lbs./LF. (Simple Span)** 4′
6500A	144″	1-13/16″	Intermediate-duty	12.85
6506	120″	1-13/16″	Intermediate-duty	12.85
654085A	1200mm	46mm	Intermediate-duty	12.85

Cross Tee Load Test Data

CROSS TEE	LENGTH	WEB HEIGHT	HANGER SPACING Lbs./LF. (Simple Span)** 5′	4′	30″	2′
XL6520A	24″	1-13/16″				68.5
652085A	600mm	46mm		68.5		
XL6530	30″	1-13-16″			30.9	
XL6540A	48″	1-13/16″		14.6		
653085A	1200mm	46mm		14.6		
XL6560	60″	1-13/16″	6.43			

Seismic Performance

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
6500A/6506 654085A	322.0

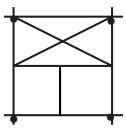
CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XL6540A/XL6520A XL6560A/XL6530A 653085A/652085A	258.0

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

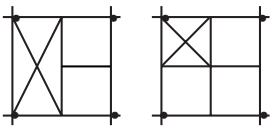


Main Beam ↑
Hanger Wire (•)

1. Fixture*	24″ x 48″
2. Planning Module	48″ x 48″
3. Hanger Spacing	48″
4. Item 6500	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 beams ↑
Hanger Wire (•)

1. Fixture*	24″ x 48″	24″ x 24″
2. Planning Module	48″ x 48″	48″ x 48″
3. Hanger Spacing	48″	48″
4. Item XL6540	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 C 636.

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.

Color Selection

Color Chip

☐ SG - Silver Grey
☐ WH - White

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

TechLine™ / 1-877-ARMSTRONG
1-877-276-7876
armstrong.com/suspensionsystems

Printed in the United States of America