

9/16" Smoothline Bolt Slot System

CEILING SUSPENSION SYSTEMS

CertainTeed
SAINT-GOBAIN

Specification Sheet

The Smoothline Bolt Slot System offers contemporary flair and extended design flexibility. Complementing many of today's modern designs, this system provides a uniform ceiling plane surface when installed with appropriate reveal edge ceiling tile products.

Features & Benefits:

- Narrow 9/16" (15mm) face features a 1/4" (6mm) center regress and is compatible with Narrow Reveal Edge panels.
- Double web design for lasting durability and strength.
- Mitered design on cross tee and main runner intersections produces a clean, continuous slot.
- Grid features G30 hot-dipped galvanized steel web construction for corrosion resistance.
- 25% recycled content (20% post-consumer, 5% pre-consumer).
- Available in standard white only.



Attributes:

MAIN RUNNER ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS
SL12-13-17	12' (3660mm)	1-5/8" (41mm)	9/16" (15mm)	0.017" (0.43mm)

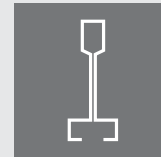
Slotted and notched 24" o.c.

CROSS TEE ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS
SL2-13-17	2' (610mm)	1-5/8" (41mm)	9/16" (15mm)	0.017" (0.43mm)
SL4-13-17*	4' (1220mm)	1-5/8" (41mm)	9/16" (15mm)	0.017" (0.43mm)

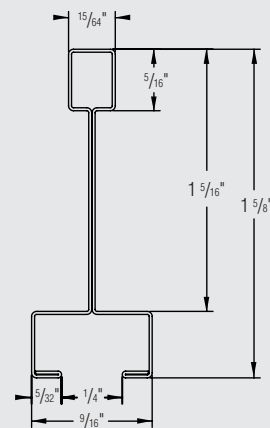
**Slotted and notched 24" o.c.*

TRADITIONAL WALL ANGLE ITEM #	LENGTH	HEIGHT	FACE	METAL THICKNESS
WA15-15	12' (3660mm)	15/16" (24mm)	15/16" (24mm)	0.020" (0.51mm)
WA15-9	12' (3660mm)	15/16" (24mm)	9/16" (15mm)	0.018" (0.46mm)

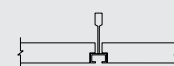
SHADOW MOLDING ITEM #	METAL DIMENSIONS	THICKNESS
SM1020	10' x 15/16" x 3/8" x 3/8" x 9/16" (3050 x 24 x 10 x 10 x 15mm)	0.018" (0.46mm)
SM1000	10' x 3/4" x 3/8" x 3/8" x 3/4" (3050 x 19 x 10 x 10 x 19mm)	0.018" (0.46mm)



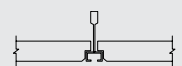
Main Runners:



Selected Popular Edge Details:



NARROW REVEAL EDGE
9/16" Grid (Bolt Slot)



NARROW REVEAL EDGE
(Corner Bevel)
9/16" Grid (Bolt Slot)

Long Form Specifications

Smoothline Bolt Slot Systems

Section 09510 - Acoustical Ceilings

PART 1 - GENERAL

1.1 Section Includes

Provide metal suspension system for acoustical lay-in panel ceiling.

1.2 Related Sections

- A. Section 09120 - Ceiling Suspension Systems
- B. Section 09545 - Special Ceiling Surfaces
- C. Section 13020 - Integrated Ceilings
- D. Section 13080 - Sound, Vibration, and Seismic Control
- E. Section 15500 - Heating, Ventilating, and Air Conditioning
- F. Section 16500 - Lighting

1.3 References

- A. American Society for Testing and Materials (ASTM)
 - 1. C 635 - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
 - 2. C 636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels.
 - 3. E 580 - Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels in Areas Requiring Moderate Seismic Restraint.
- B. Ceiling & Interior Systems Construction Association (CISCA)
 - 1. Ceiling Systems Handbook

1.4 Submittals

- A. Product data sheets listing dimensions, load carrying capacity and standards compliance.
- B. Samples: 12 inch long samples of main runner and cross tee with end couplings.

1.5 Project Conditions

- A. Environmental Requirements:
 - 1. Verify weathertightness of area to receive suspension system prior to installation.
 - 2. Wet trades shall be dry and complete prior to installation.
 - 3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
 - 4. Heating and air conditioning systems to be operating prior to, during, and after installation.

1.6 Maintenance

Furnish additional material equal to _____ percent of ceiling area.

PART 2 - PRODUCTS

2.1 Manufacturers

- A. Suspension Systems:
 - 1. CertainTeed Smoothline Bolt Slot Systems

2.2 Suspension System Components

- A. Main Runners:
 - 1. Manufactured from 0.017 inch thick corrosion-resistant steel 9/16 inch wide by 1-1/2 inches by 144 inches long with factory punched cross tee slots, hanger holes, and integral bayonet-style end couplings. Double web intermediate duty suspension system.
 - 2. Capped with corrosion-resistant steel capping affixed to 9/16 inch flange.
 - 3. Coated with factory-applied standard color baked-on enamel paint finish.
 - 4. Manufactured with self-centering mechanisms for ceiling panels.
 - 5. Manufactured with fire expansion reliefs on fire-rated components.
- B. Cross Tees:
 - 1. Manufactured from 0.017 inch thick corrosion-resistant steel 9/16 inch wide by 1-1/2 inches high by [24] [48] inches long with factory punched cross tee slots, hanger holes, and factory attached stainless steel couplings on component ends.
 - 2. Capped identical to main runners.
 - 3. Finished identical to main runners.
 - 4. Manufactured with self-centering mechanisms for ceiling panels.
- C. Perimeter Treatment Components:
 - 1. Profile: As selected by the Architect
- D. Attachment Devices:
 - Size for five times design load indicated in ASTM C 635, Table 1, Direct Hung unless otherwise indicated.
- E. Wire for Hangers and Ties:
 - Class 1 zinc coating, soft temper, prestretched, with a yield stress load of at least three times design load, but not less than 12 gage.
- F. Accessories

PART 3 - EXECUTION

3.1 Examination

Examine area receiving suspension system to identify conditions which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.

3.2 Installation

- A. Install the ceiling system in accordance with the following:
 - 1. Manufacturer's printed instructions
 - 2. ASTM C 636, E 580
 - 3. Ceilings & Interior Systems Construction Association (CISCA) recommendations
 - 4. Applicable local code requirements
 - 5. Approved shop drawings
 - B. Install suspension system requiring seismic restraint in compliance with ASTM E 580, CISCA recommendations and with the authorities having jurisdiction.
 - C. Main Runners:
 - Installed 48 inches on center, by direct suspension from existing structure, with not less than 12 gage steel hanger wires spaced 48 inches on center along main runner length. Wrap hanger wires tightly 3 full turns at each end.
 - D. Cross Tees:
 - 1. Installed perpendicular to main runners [24] [48] inches on center to form _____ by _____ inch modules.
 - 2. Installed perpendicular to module forming cross tees 24 inches on center forming _____ by _____ inch modules.
 - 3. Installed adjacent to each unsupported side of recessed fixtures.
 - E. [Angle] [Shadow Line] Moldings: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry-accepted practice.
 - F. Additional Hanger Wires: Wrapped tightly 3 full turns to structure and component at locations where imposed loads could cause deflection exceeding 1/360 span.
- ##### 3.3 Adjustments and Cleaning
- A. Remove damaged components, replace with undamaged components. Clean with non-solvent based non-abrasive commercial cleaning solution.

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