

15/16" Classic Hook Systems

The Classic Hook System features the ever-popular 15/16" (24mm) face width that is widely used in interior designs today. This system incorporates hook-over cross tee end detail designed to meet a variety of user needs and preferences.

Classic Hook System

- Double web design for lasting durability and strength.
- Cross tees feature hook-over end tab design for positive locking and easy disassembly.
- Intermediate and heavy duty load bearing capabilities.
- Bayonet style couplings featured on main runners for easy installation.
- Cross tees offered in standard 2' (610mm) and 4' (1220mm) lengths.
- Cross tees feature a butt-cut end design.
- Cross tees interchangeable with Classic Stab System cross tees.
- Grid features hot-dipped galvanized steel web construction for corrosion resistance.
- Wall angles and accessories available.

Protectone[®] Classic Fire-Rated Hook System

- Similar features and benefits to the Classic Hook System.
- Cross tees are offered in standard 2' (610mm) and 4' (1220mm) lengths.
- Offered in Standard White. Consult your BPB Sales Representative for special order finishes and customized color options.

Classic Hook System

Main Runner Item #	Length	Height	Face	Metal Thickness	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing		
					ASTM C 635		
					4' (1220mm)	5' (1525mm)	6' (1830mm)
C12-12-15	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	Intermediate Duty 12.0 (17.9)	6.0 (8.9)	4.0 (6.0)

Cross Tee Item #	Length	Height	Face	Metal Thickness	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing		
					ASTM C 635		
					2' (610mm)	4' (1220mm)	
CH2-12-10	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.010" (.25mm)	-	*32.5 (48.4)	-
CH4-12-10	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.010" (.25mm)	-	-	9.1 (13.5)
CH4-12-12	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.012" (.30mm)	-	-	10.6 (15.7)
CH4-12-20	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.020" (.51mm)	-	-	17.3 (25.7)

*Weight limited by a safety factor of 2.

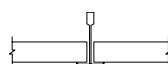
Protectone[®] Classic Fire-Rated Hook System

Main Runner Item #	Length	Height	Face	Metal Thickness	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing		
					ASTM C 635		
					4' (1220mm)	5' (1525mm)	6' (1830mm)
PC10-12-15	10' (3050mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	Intermediate Duty 12.0 (17.9)	6.0 (8.9)	4.0 (6.0)
PC12-12-15	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	Intermediate Duty 12.0 (17.9)	6.0 (8.9)	4.0 (6.0)
PC12-12-20	12' (3660mm)	1-1/2" (38mm)	15/16" (24mm)	.020" (.51mm)	Heavy Duty 16.0 (23.8)	8.9 (13.2)	5.6 (8.3)

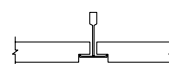
Cross Tee Item #	Length	Height	Face	Metal Thickness	Allowable Load Lbs./Lin.Ft (kg/m) Hanger Spacing		
					ASTM C 635		
					2' (610mm)	4' (1220mm)	
PCH2-12-15	2' (610mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	-	*41.0 (61.0)	-
PCH4-12-15	4' (1220mm)	1-1/2" (38mm)	15/16" (24mm)	.015" (.38mm)	-	-	14.1 (21.0)

*Weight limited by a safety factor of 2.

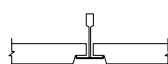
Selected Popular Edge Details



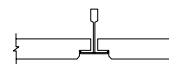
Trim Edge
(Square) 15/16" Grid



Reveal Edge
15/16" Grid



Reveal Edge
(Beveled) 15/16" Grid



Reveal Edge
(Corner Bevel) 15/16" Grid



Long Form Specifications

Classic Hook/Protectone® Classic Fire-Rated Hook Systems

Section 09510 - Acoustical Ceilings

PART 1 - GENERAL

1.1 Section Includes

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

1.2 Related Sections

- A. Section 09120 - Ceiling Suspension Systems
- B. Section 09250 - Gypsum Board
- C. Section 09545 - Special Ceiling Surfaces
- D. Section 13020 - Integrated Ceilings
- E. Section 13080 - Sound, Vibration, and Seismic Control
- F. Section 15500 - Heating, Ventilating, and Air Conditioning
- G. 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.
- B. Underwriters Laboratories Inc. (UL) Fire Resistance Directory (latest edition).
- C. Ceiling & Interior Systems Construction Association (CISCA) Ceiling Systems Handbook.

1.4 Submittals

- A. Product data sheets listing dimensions, load carrying capacity and standards compliance.
- B. 12 inch long samples of main runners and cross tees with integral couplings.

1.5 Project Conditions

A. Environmental Requirements:

1. Verify weathertightness of area receiving suspension system prior to installation.
2. Wet trades work to be thoroughly 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. Celotex® Brand [Classic] [Protectone Classic Fire-Rated (Type PCH)] Hook System

2.2 Suspension System Components

A. Main Runners:

1. Manufactured from [0.015] [0.020] inch thick corrosion-resistant steel 15/16 inch wide by 1-1/2 inches high by [120] [144] inches long with factory punched cross tee slots, hanger holes, and integral bayonet-style end couplings. Double web [intermediate] [heavy] duty [fire] [non-fire] rated ceiling suspension system.
2. Capped with corrosion-resistant steel capping affixed to 15/16 inch wide flange.
3. Coated with factory-applied [standard] [architect select] color baked-on enamel paint finish.
4. Manufactured with fire expansion reliefs on fire-rated components.

B. Cross Tees:

1. Manufactured from [0.010] [0.012] [0.015] [0.020] inch thick corrosion-resistant steel 15/16 inch wide by 1-1/2 inches high by [24] [48] inches long with factory punched cross tee slots, hanger holes, and integral snap-grid end couplings.
2. Capped identical to main runners.
3. Finished identical to main runners.
4. Manufactured with fire expansion reliefs on fire-rated components.

C. Perimeter Treatment Components:

1. Angle Moldings: Manufactured from 0.020 inch thick corrosion-resistant steel 15/16 inch wide by 15/16 inch high by 144 inches long with hemmed edges finished identical to main runners and cross tees.
2. Shadow Line Moldings: Manufactured from 0.020 inch thick corrosion-resistant steel with 3/4 inch by 3/4 inch flanges, [3/8 by 3/8] [3/4 by 3/4] inch recess, 120 inches long and hemmed edge. Finished identical to main runners and cross tees with factory-applied baked-on enamel paint finish.

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 - NON-FIRE-RATED SYSTEM

- A. Install suspension system in compliance with ASTM C 636, CISCA recommendations and with the authorities having jurisdiction.
- B. 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.
- C. 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 to form _____ by _____ inch modules.
 3. Installed adjacent to each unsupported side of recessed fixtures.
- D. [Angle] [Shadow Line] Moldings: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry-accepted practice.
- E. Additional Hanger Wires: Wrapped tightly 3 full turns to structure and components at locations where imposed loads could cause deflection exceeding 1/360 span.

3.3 Installation - FIRE-RATED SYSTEM

A. Suspension System Components:

1. Install suspension system in accordance with UL Design Number _____ guidelines.
2. Install suspension system in compliance with ASTM C 636, CISCA recommendations and with the authorities having jurisdiction.

3.4 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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