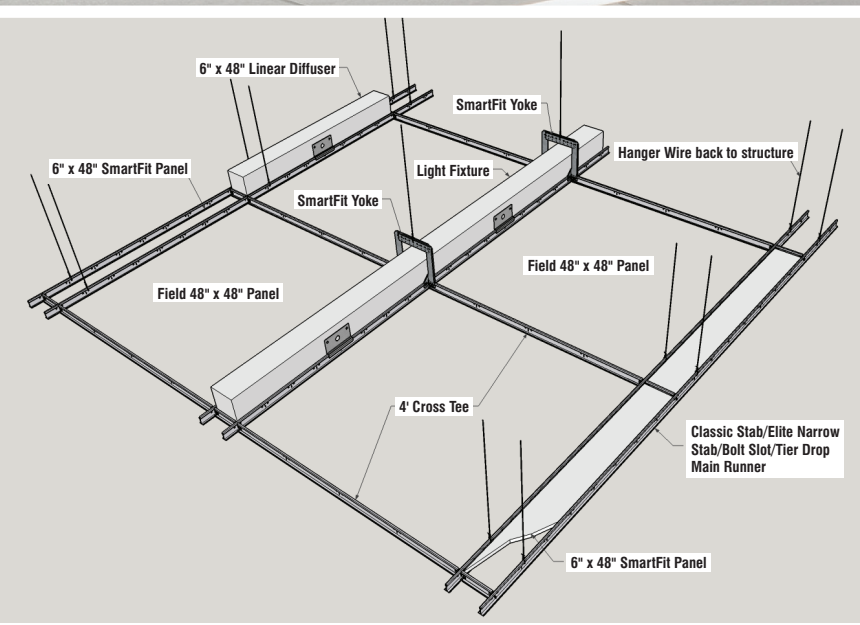
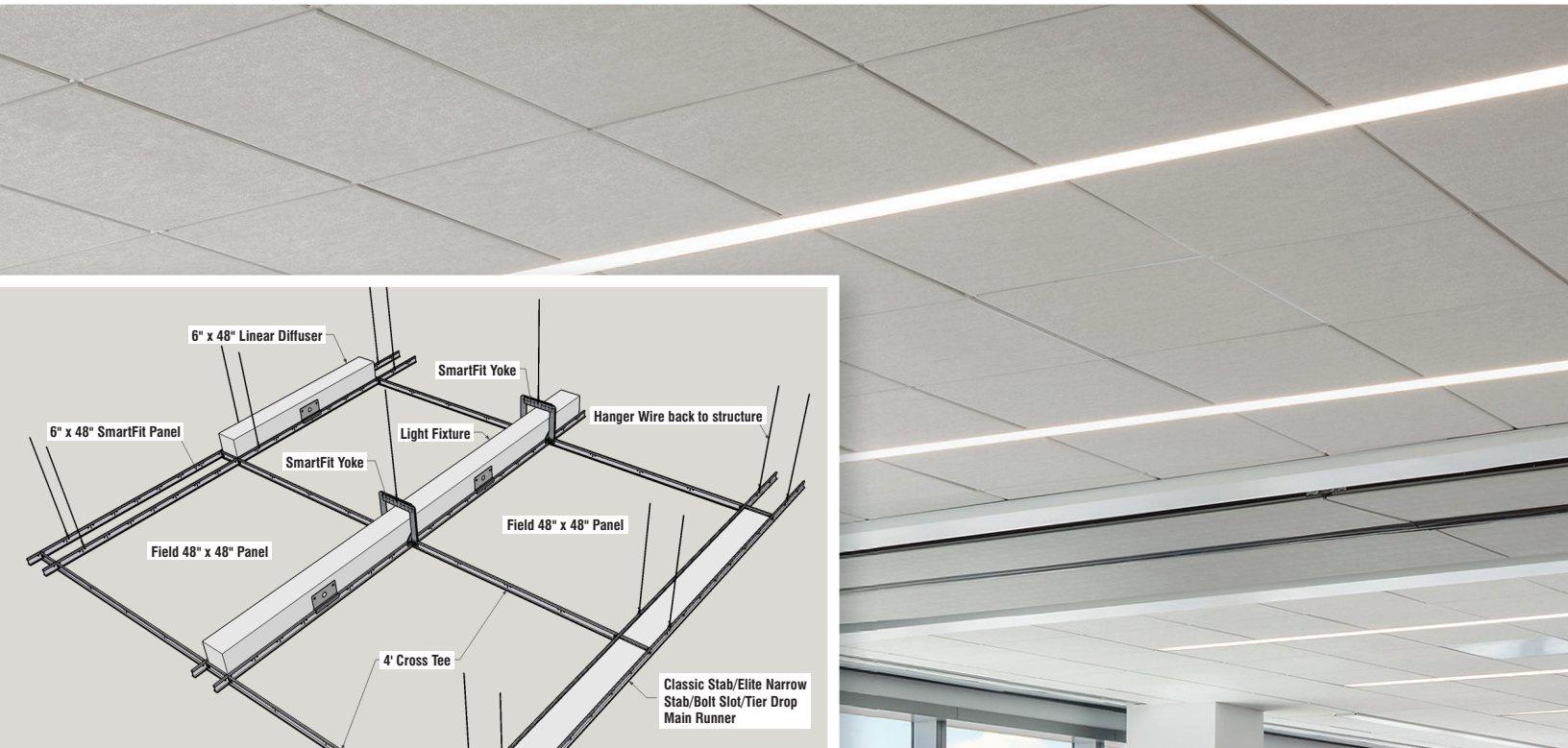


SmartFit Yoke Installation Guide

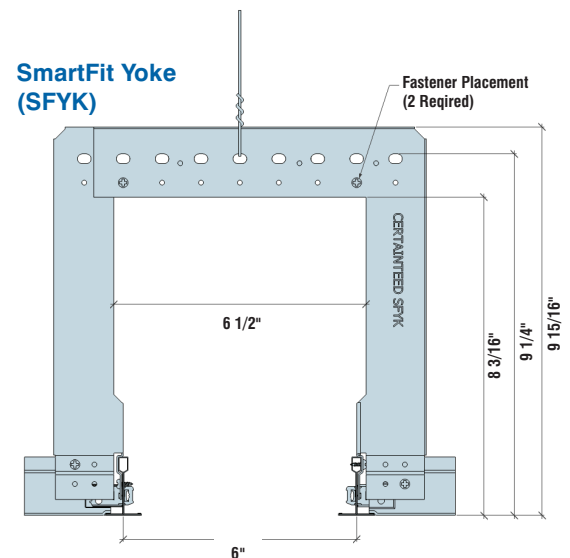


The CertainTeed SmartFit Yoke (SFYK) is an accessory that allows for a faster installation of the suspension system when linear panels and fixtures are required with tightly spaced parallel main tees. The SmartFit yoke makes it possible to assemble the entire suspension system prior to installing linear light fixtures, diffusers and other ceiling components.

The SmartFit Yoke is a two-piece system with pre-drilled holes every inch, allowing for common 4", 6" and 8" fixtures and channels (100 mm and 150 mm fixtures are also supported). This accessory allows installers to add linear light fixtures, linear diffusers or any other elements after the installation of the entire suspension system.

The two pieces of the yoke are attached at the desired width using two #7 screws through the top holes and bottom legs. The legs of the yokes are located by placing the pre-formed bulb contour on the intersecting cross tee and main tee. Two screws must be used on the bottom legs, one securing the cross tee and another securing the main tee. The result will be a faster installation by decreasing the number of hanger wires required and reducing the average labor time needed for ceiling element installations.

The SmartFit Yoke accessory is designed to be compatible with the entire CertainTeed Ceilings acoustical suspension system offering and all CertainTeed Drywall suspension systems.



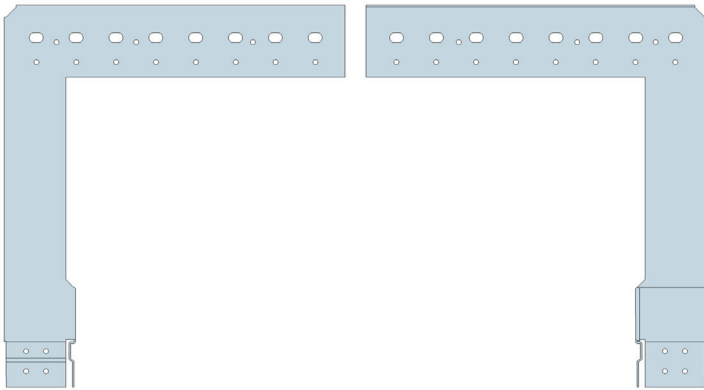
Benefits:

- ▶ Decreased number of hanger wires
- ▶ Reduced labor time on installation
- ▶ Maintain a precise dimension on linear openings

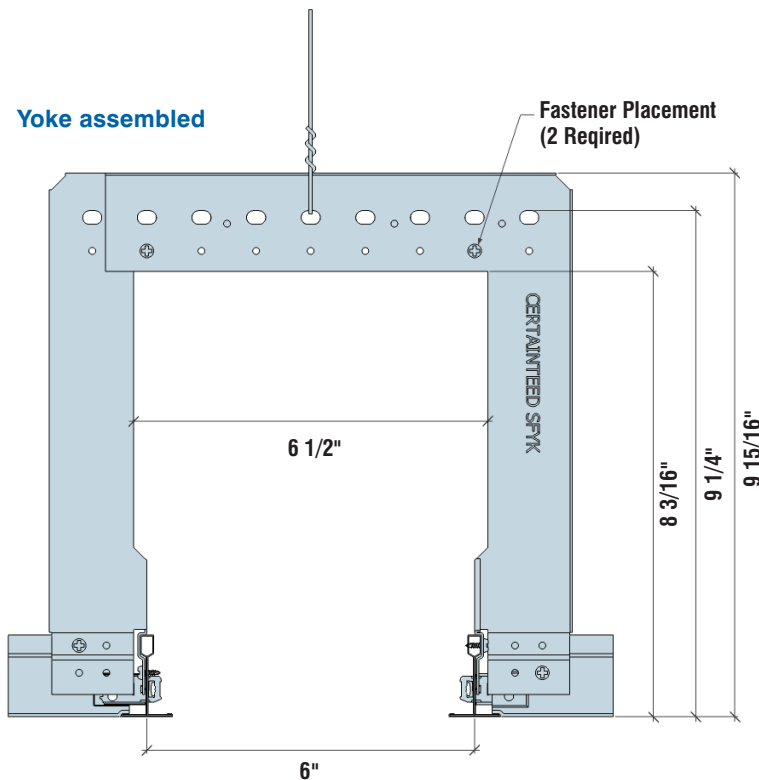
This guide includes details, instructions, and best practices for installing the SmartFit Yoke into integrated ceiling systems with continuous fixtures.

SmartFit Yoke Ceiling System Product Description

Yoke not assembled



Yoke assembled



2.1 General

The SFYK – SmartFit Yoke, is comprised of two pieces joined together by two #7 screws (not included). Screw holes are located every inch on the top of the Yoke. Two screws across the top and two screws in each bottom leg are required to hold one SmartFit Yoke System (6 screws and 1 hanger wire per assembly).

2.2. Span Info

Pilot holes are spaced every inch and the maximum span of the SmartFit Yoke system is 11" (pre-drilled metric spacing at 100mm and 150mm). Main tees may be used to bridge a gap for installations longer than the max span.

2.3. Height

The installed height of the SmartFit Yoke is 10" from the grid face to the top of the yoke. A minimum of 3" is required to secure a single hanger wire with a code compliant wrap connection to structure (3 full turns in 1.5"). A minimum 14" plenum is recommended.

2.4. Hanger holes

Oval hanger holes have been designed to allow for different spacing options and are spaced every inch. A minimum 12 gauge galvanized hanger wire should be used to suspend the Yoke assembly from either the center hole or two holes on either side, depending upon plenum space and hanger location availability.

Only one hanger wire per SmartFit Yoke

The SmartFit Yoke system requires only 1 hanger wire if the wire is located in the center of the system. If unable to hang from the center, two wires on either end are required.

Installation Instructions – 7 Steps

1. Determine the ceiling height

The SmartFit Yoke height is 10" above the grid face. Allow an additional 3" to 4" to properly wrap the hanger wire. It is recommended to leave 14" in total for clearance below the lowest pre-installed ceiling element (pipe, beam, air duct, etc...).

2. Locate the hanger wire

Each yoke requires only one hanger wire placed in the center of the Smartfit Yoke connection. One SmartFit Yoke assembly should be placed every 48" or 60" depending on the panel size and ceiling layout installed. On continuous light fixtures, the Smartfit Yoke system should be placed every 48". Where a light fixture terminates, note that a yoke will not be needed; a regular 12 gauge hanger wire on the main tee will still be required.

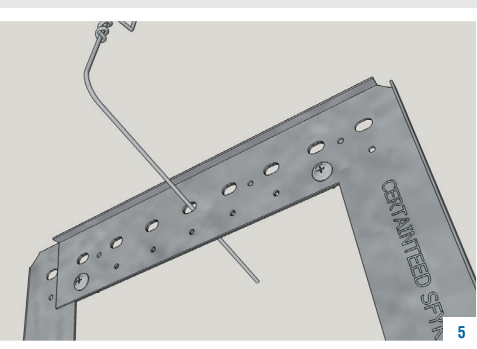
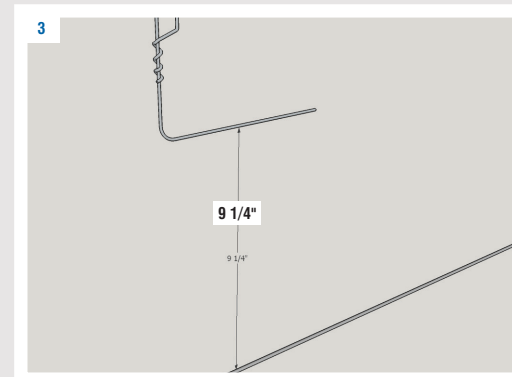
3. Bend the hanger wires

Bend the hanger wire at 90° angle 9 1/4" inches above the string for SmartFit Yoke suspension and 3/4 in. for standard main tee suspension.

4. Assemble the SmartFit Yokes elements

Oval hanger holes have been designed to allow for different spacing options and are spaced every inch. A minimum 12 gauge galvanized hanger wire should be used to suspend the yoke assembly from either the center hole or two holes on either side, depending upon plenum space and hanger location availability.

Note: The two pieces should be assembled so that the 90 degree support bend is facing out along the top legs (see figure 5).



5. Suspend the SmartFit Yoke System to the hanger wire

Suspend the yoke assembly from the pre-bent hanger wire. Wrap the hanger wire to be code compliant (3 turns in 1.5").

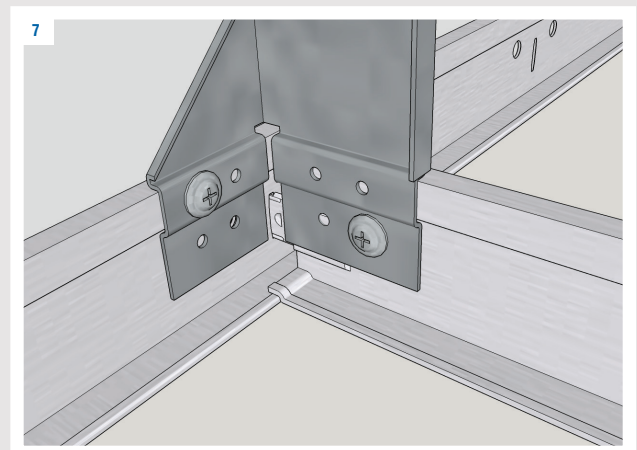
6. Locate the main runners and cross tees

Identify the main runner location and use string lines to ensure that they remain straight during the suspension system installation. Use a perpendicular string to locate the first row of cross tees.

7. Screw the suspended SmartFit Yoke to the tees

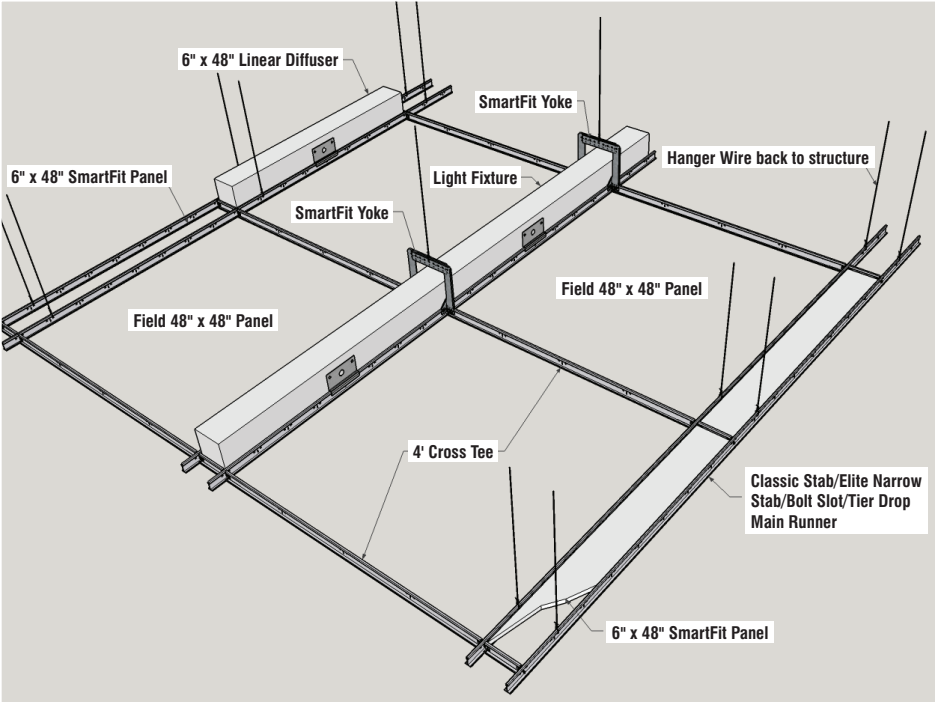
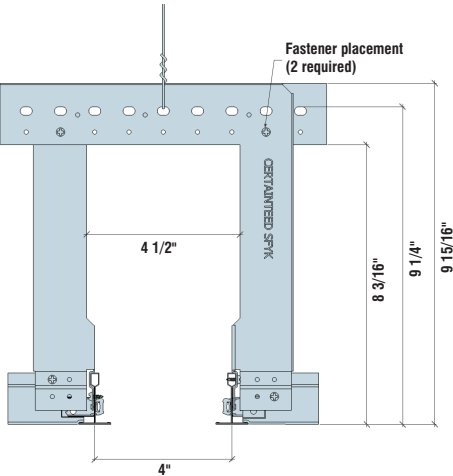
The SmartFit Yoke is designed to perfectly match the bulb and webbing of CertainTeed cross tees and main tees. Place the legs of the yoke on each tee and use a #7 screw on the designed holes. Two screws for each tee connection are required; one on the intersecting cross tee and another to the main tee.

Note: Screws can be placed through either the bulb or webbing or both.

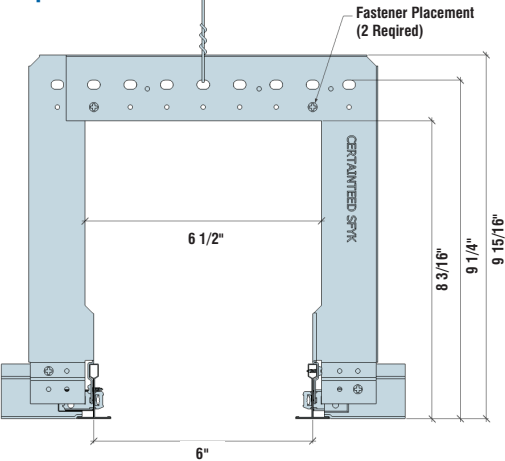


SmartFit Yoke: Final Installation Drawing

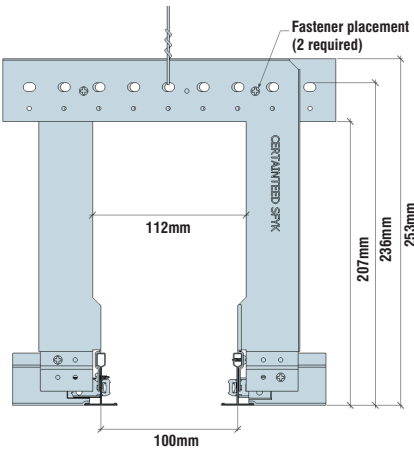
Imperial — 4 in.



Imperial — 6 in.



Metric — 100 mm



Metric — 150 mm

