

AXIOM® Slip Joint

Assembly and Installation Instructions

1 GENERAL

1.1 Description

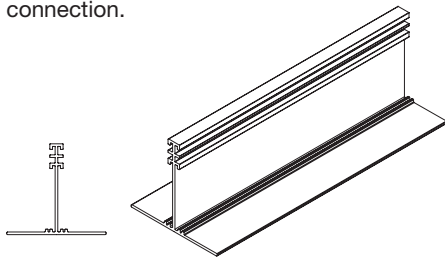
The Axiom Slip Joint (AXSJ) is an engineered solution to allow for building and ceiling movement in a seismic installation. The system consists of an upside down “T” profile that allows for two acoustical ceiling systems to come together. The Axiom Slip Joint can also be used as a transition piece to join intersecting acoustical ceiling systems or to transition between two different ceiling systems.

Splice plates and Axiom Beam End Retaining Clip (BERCAXT) connectors are included with the Axiom slip joint to provide a complete installation without any visible fasteners

Component Descriptions:

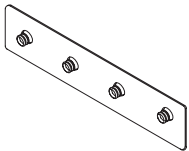
Axiom Slip Joint:

This extruded profile is 10' in length and has an exposed face of 2-1/4". The back side of the profile has bosses on each side to allow for splice plate connection and T-Bar suspension system connection.



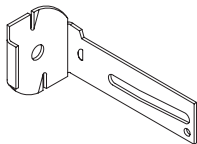
Axiom Splice Plates:

The AX4SPLICE plates slide into the bosses on both sides of the slip joint. This provides a strong connection and less opportunity for component twisting.



Axiom BERCAXT Clips:

These clips engage into the bosses on the back side of the slip joint and attach the acoustical suspension system to the slip joint.



2 MATERIAL DELIVERY AND IDENTIFICATION

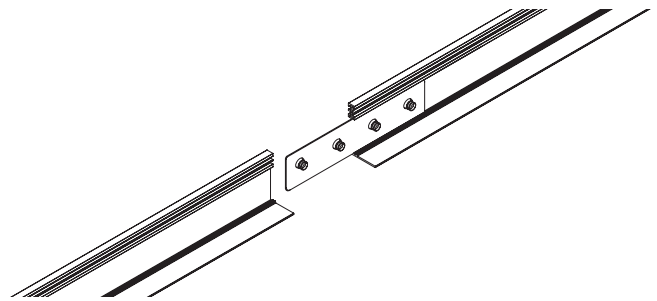
Standard Axiom slip joint components are delivered in cartons. All hardware and instructions for installation should be included in the packaging. Identify all parts listed on the drawings and verify they are delivered to the job site before starting the installation.

Exercise appropriate care to protect the finished surface of the trim.

3 COMPONENT ASSEMBLIES

3.1 Splice Plates

Steel splice plates are used to align and secure the joints between the trim pieces. Each joint requires two splice plates, one on either side of the vertical fin. Join the straight sections of the AXSJ using the AX4SPLICE plates. Splice plates are secured to the AXSJ using factory-installed setscrews. A 1/8" hex key is included in the hardware.



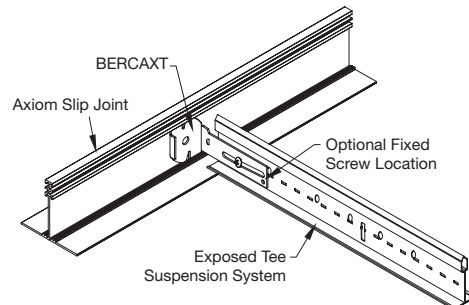
Typical procedure

1. Insert splices into channel trim bosses
2. Close the joint
3. Tighten screws

NOTE: Splice plates can slide completely into the channel bosses and then slide into the adjoining section after the trim is aligned.

3.2 T-Bar Connector Clips

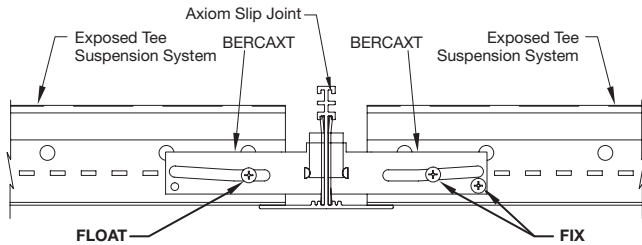
BERCAXT clips are provided to attach the ceiling suspension system to the AXSJ. These twist-in connectors are required at each location where the suspension system intersects the AXSJ.



Typical procedure

1. Cut suspension system to length. AXSJ can be independently supported by drilling hanger holes 48" O.C. maximum, leaving at least 1/2" of material above the hanger hole.
2. Insert the BERCAXT into the channels bosses by twisting it in place using a pair of pliers. If using the BERC2 clip, it is inserted into the bottom groove and a # 8 x 1/2" screw is used to secure it to the AXSJ.
3. Details will vary depending on room layouts for D, E, F installations. The AXSJ could act as a fixed point or wall. Post and splay wires/bracing must be added.

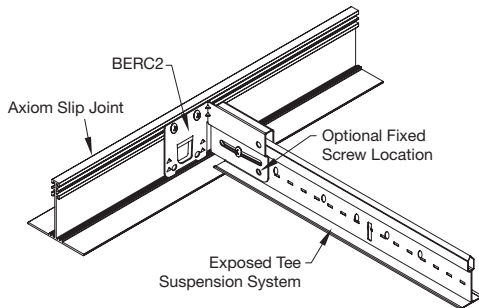
Details could be fixed/float, float/float, or fixed/fixed.



Insert a framing screw (#6 x 7/16 or 1/2") into the appropriate hole on the clip to create a floating or fixed position.

4. On the float side, you want the ceiling to be able to move. Insert the screw in the center of the slot (on the line provided). The cross tee should be able to move the full range in both directions giving the ceiling an inch to move in either direction.

NOTE: Another option for the clip is the BERC2. These are not provided with the AXSJ.



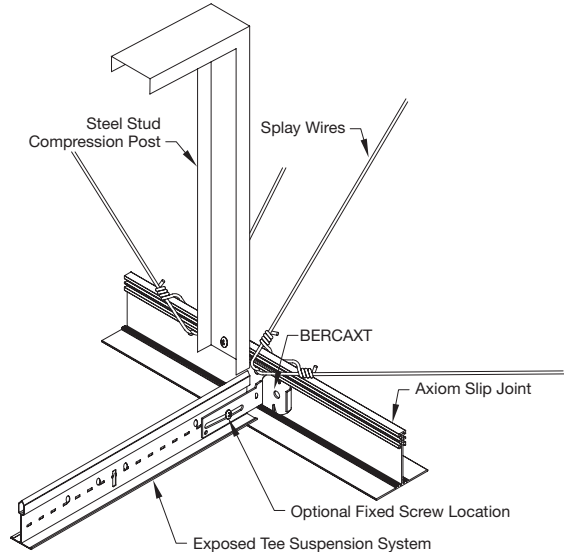
4.0 ADDITIONAL FRAMING

A compression post is required for D,E,F installations of the AXSJ. This should be a 3-1/2" 20 gauge stud installed vertically to structure. Follow typical seismic requirements.

5.0 COMPONENT SUPPORT

The manufacturer recommends that the AXSJ and the ceiling suspension be installed and supported in a manner that complies with all applicable codes and standards.

For seismic category D,E, F installations, wires are required within 8" of the slip joint on each cross tee that intersects the AXSJ. At the compression post, wires are required at 45 degree angles from the AXSJ to structure in all four directions. See drawing below.



6.0 INSTALL CEILING PANELS

1. Cut and install tiles or panels using standard procedures for the specified products.
2. Treat exposed cut edges of ceiling panels as detailed in the project specifications.

7.0 FINAL DETAILING

1. Check and adjust the alignment of the suspension system and ceiling panels.
2. Clean exposed surfaces as required. Painted Axiom® components may be wiped down with a mild household cleaner to remove fingerprints, oil, etc.
3. Touch up painted components as required.

MORE INFORMATION

For more information, or for an Armstrong representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call TechLine™ services at 1 877 276 7876 or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit armstrongceilings.com/axiom.

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