

EXPANSION JOINT STABILIZER

Provides stability and longitudinal freedom for expansion movement

The Expansion Joint Stabilizer is an all-metal, durable anchor assembly, specifically designed to allow movement at expansion, contraction or isolation joints in masonry while maintaining the wall alignment in a direction normal to the movement.



CAN BE BENT IN THE FIELD TO FIT THE APPLICATION



NO EXPOSED HARDWARE



CORROSION-RESISTANT



300 POUNDS OF SHEAR RESISTANCE



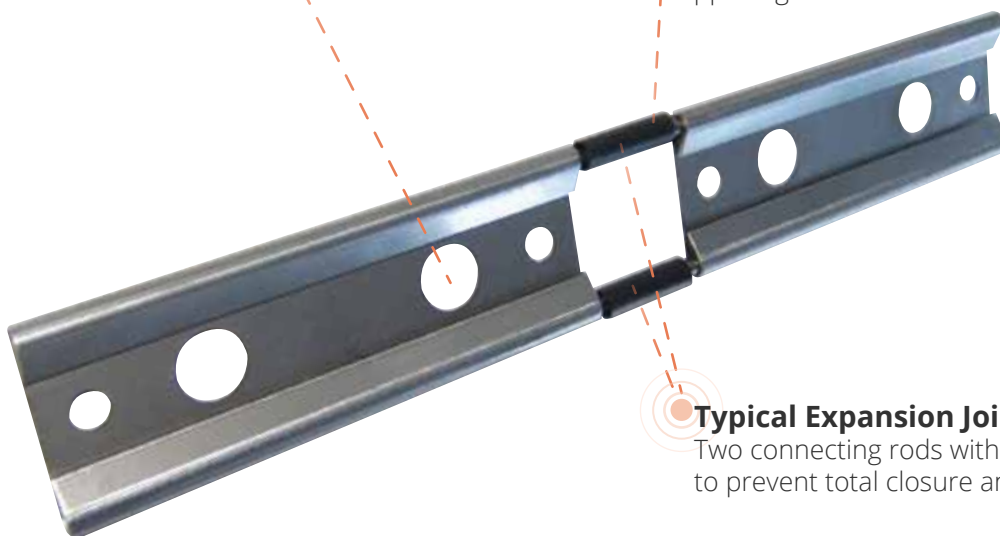
EASY POST-INSTALL QUALITY CONTROL



BRIDGES GAP OR JOINT IN WALLS

Pre-Drilled Holes
For mortar key or fastener location

Lubricated
Lubricated and telescopically connected in the opposing sleeves



Typical Expansion Joint
Two connecting rods with flexible plastic tubing to prevent total closure and mortar bridging

EXPANSION JOINT STABILIZER

Flexible Anchor for New Wall Construction or Repairing Wall Cracks

Product Line Description

The Expansion Joint Stabilizer is manufactured of either stainless steel or galvanized sheet metal sleeves and connecting rods, depending on specific applications. The wire rods provide the shear resistance to maintain alignment of the joint. The Expansion Joint Stabilizer is a great solution in new construction or retrofit masonry applications. Contributes to green building construction and restoration projects.

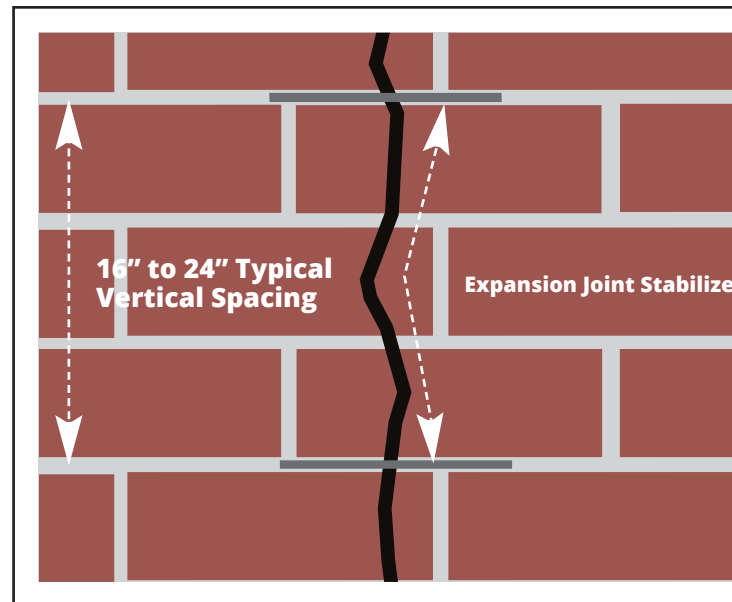
The Expansion Joint Stabilizer allows for expansion of clay masonry and shrinkage of concrete or concrete masonry. It is also adaptable for connection to steel framing. It is a great solution for bridging vertical expansion joints and provides collateral stability of adjoining walls while providing longitudinal freedom for expansion movement. It is easy to install and creates an effective way to keep adjoining masonry walls from disconnecting. When constructing the masonry wall, the sleeves are completely embedded in the mortar of the bed joint or the grout of filled CMU. The sleeve design allows for the mortar to key through the specific manufactured openings. The keying action and the complete bedding of the sleeves make for a solid connection to the masonry. Two steel wire connecting rods are factory-assembled within the sleeves and spaced with flexible plastic tubing to allow for movement via a telescoping action. The flexible plastic tubing ensures that expansion can take place by properly spacing sleeves and preventing mortar build-up during construction. The Expansion Joint Stabilizer sleeves can be embedded in masonry bed joints or fastened to existing construction. The Expansion Joint Stabilizer does not require site fabrication of sleeves. It can be added to existing walls if expansion joints are required. It also does not require sash grooves to transfer load.

Stabilize Cracked Walls for Expansion Control

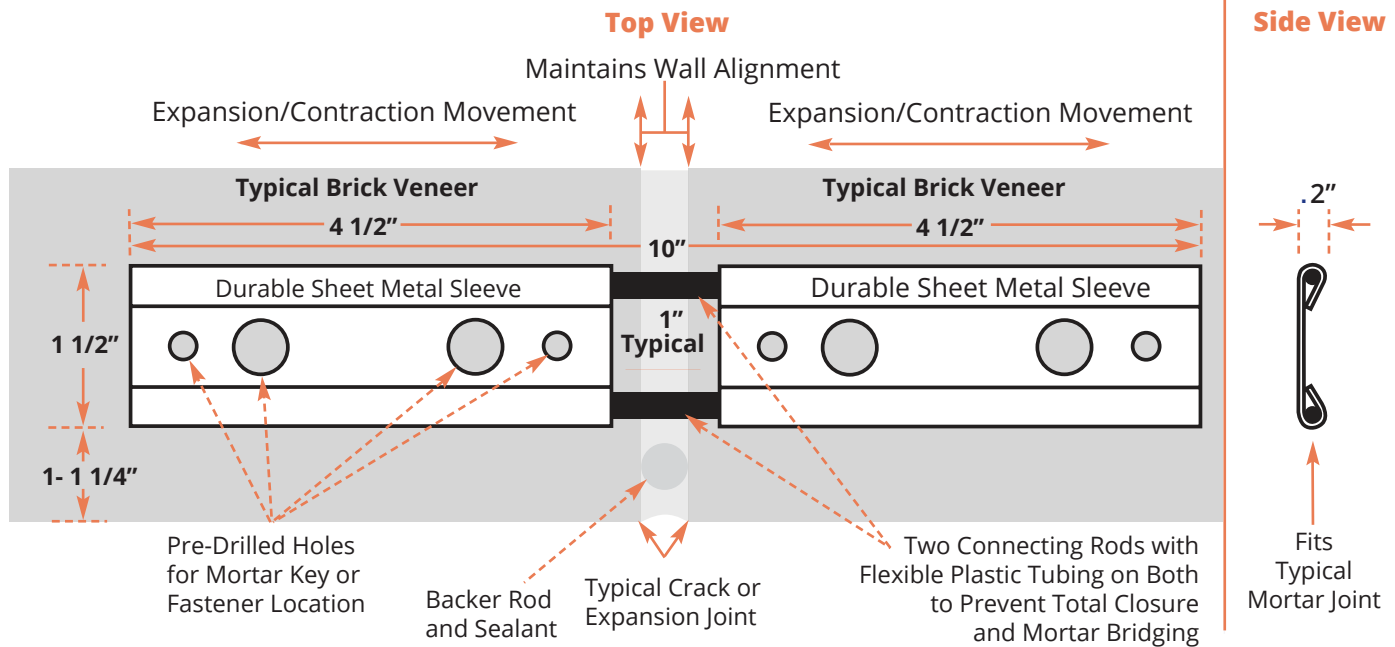
Average maximum shear load = 300 lb.
Safe working shear load* = 75 lb - 150 lb.
* Safety factor 4:1 or 2:1

Typical Applications

- Bridging Vertical Expansion Joints
- Intersecting Walls - Hollow Masonry Units
- Intersecting Walls - Solid Masonry Units
- Connection to Slabs or Spandrel Beams
- Connection of New Walls to Existing Walls
- Retrofitting Existing Veneers with Expansion Joints
- Steel or Concrete Frame Construction



EXPANSION JOINT STABILIZER ADVANTAGES



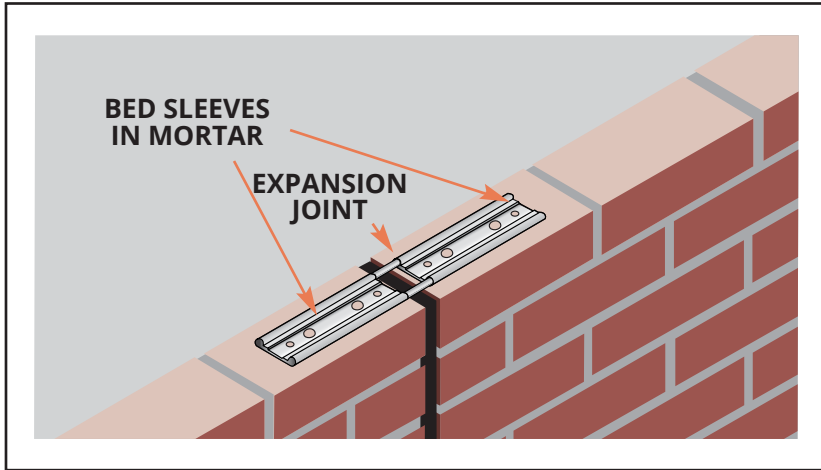
Performance

By installing this anchorage at the expansion joint of continuous adjoining walls, or bridging the crack and expansion joint location of the existing walls, the vertical rotation of the two walls is restricted. Also, by field-bending the Expansion Joint Stabilizer just 90°, fastening a leg to a perpendicular abutment, and then embedding the remaining portion in the bed joint of an intersecting wall, it provides lateral movement of the intersecting walls. The anchor assemblies are spaced at 16" to 24" centers vertically at the adjoining walls.

The Expansion Joint Stabilizer anchorage is designed principally to resist shear forces between in-plane masonry wythes created by wind loads on the masonry surface. The anchor system consists of two specially designed steel sleeves which are placed in a collinear bed joint of adjoining walls. Each sleeve is bedded in mortar for a solid connection in the opposing masonry wythes. Thereby the assembly bridges the gap or joint between the walls. The Expansion Joint Stabilizer sleeves are connected with two parallel connecting rods. The connecting rods are lubricated and telescopically connected in the opposing sleeves, thus allowing unrestricted longitudinal movement of the walls. The sliding action of the connecting rods provides the proper freedom of movement for full utilization of the expansion joint. The total anchorage is available in Type 304 stainless steel for exterior applications, or zinc-plated for interior or less humid situations.

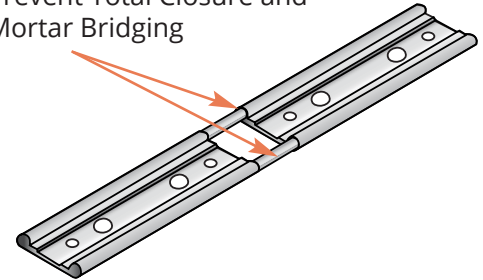
Retrofitting an existing masonry wall with a Expansion Joint Stabilizer will provide a functional expansion joint at select locations. The placement of the assembly will require the removal of existing mortar in order to create a pocket for the Expansion Joint Stabilizer. Properly prepare the pocket to bed the assembly in a compatible mortar. Point and finish the concealed device after installation.

VERTICAL EXPANSION JOINTS IN NEW WALLS

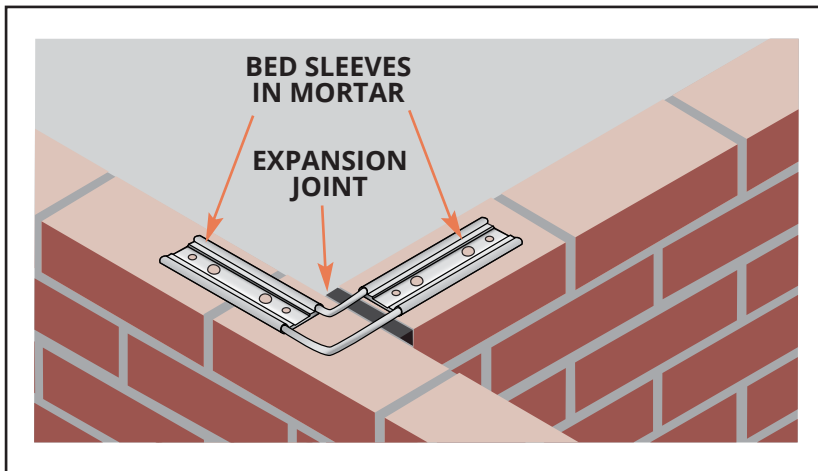


Typical Expansion Joint

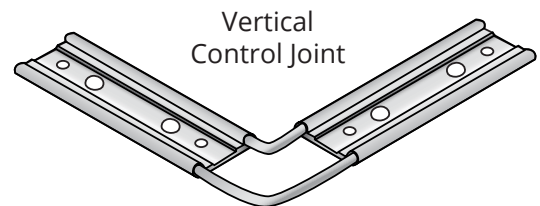
Two Connecting Rods with Flexible Plastic Tubing to Prevent Total Closure and Mortar Bridging



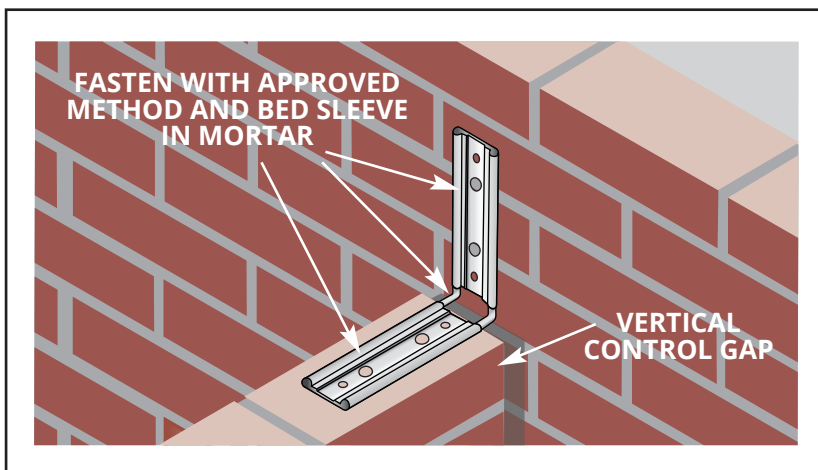
INTERSECTING SOLID MASONRY WALLS



Bent On-Site and Sleeve Installed Level with Masonry

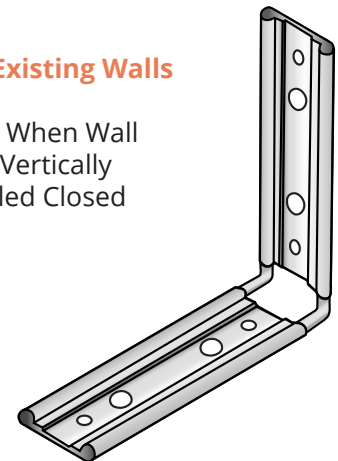


CONSTRUCTION OF NEW TO EXISTING WALLS

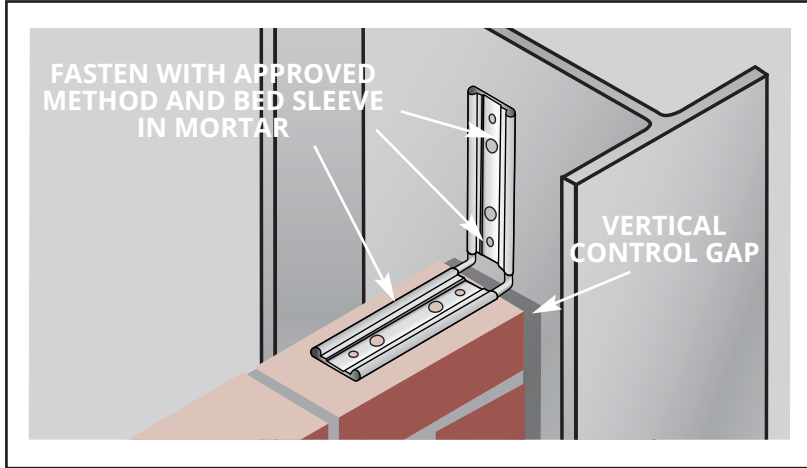


Fasten to Existing Walls

Tie Opens When Wall Shrinks Vertically
Tie Installed Closed

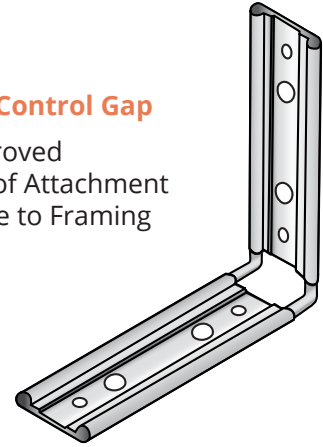


STEEL OR CONCRETE FRAME CONSTRUCTION

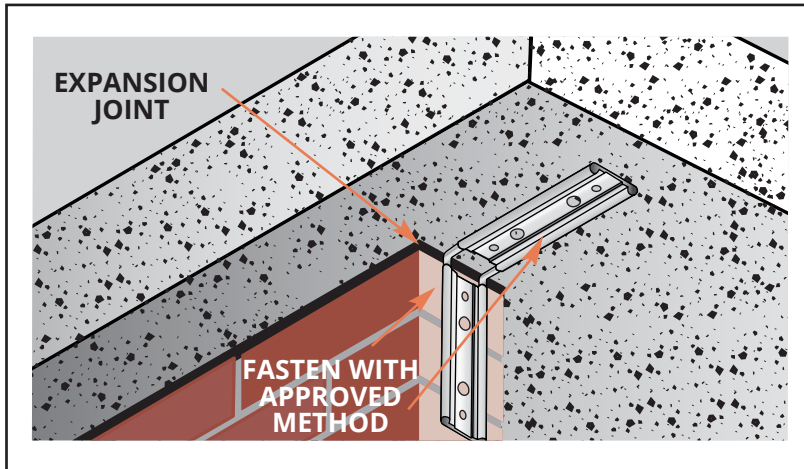


Vertical Control Gap

Use Approved Method of Attachment for Sleeve to Framing

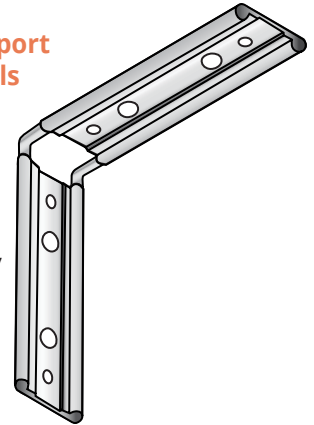


CONNECTION TO SLABS OR SPANDREL BEAMS

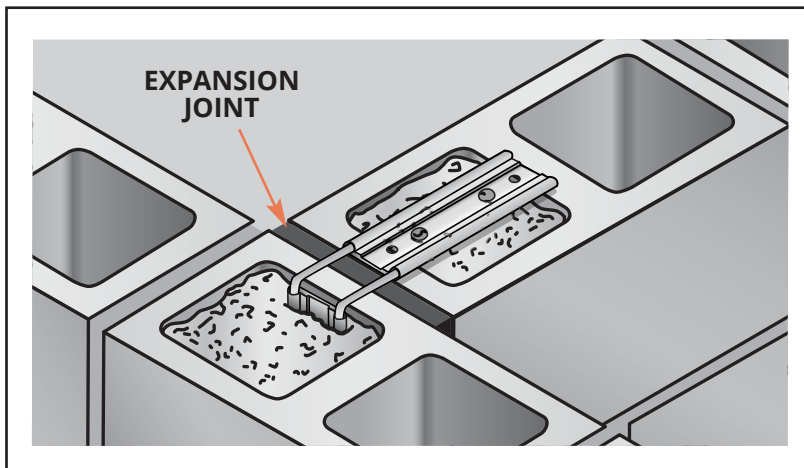


Provides Lateral Support for Single-Wythe Walls Requiring Horizontal Soft Joint

Tie Opens When Wall Shrinks Vertically and Closes When Clay Brickwork Expands Vertically

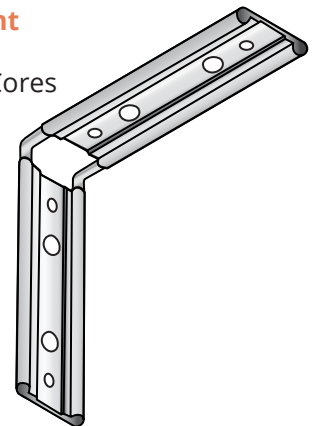


INTERSECTING CMU WALLS - HOLLOW MASONRY UNITS



Vertical Control Joint

Grout Fill to Hollow Cores





JOHN

Field Support

Our on-site service includes troubleshooting, training and installation support.



JEFF

Engineering Support

Engineering details and personalized solutions for your specific needs.



You. Us. The project.

We strive to provide the best construction products on the market, but we also know this business is about people. That's why we dedicate our human resources and services to make your job easier. Our nationwide network of sales representatives is here to do whatever we can to help solve your job-site problems.

COLLEEN

Customer Care

We're real live people who answer the phones!
Really. We're here M-F, 8a-5p, CST.

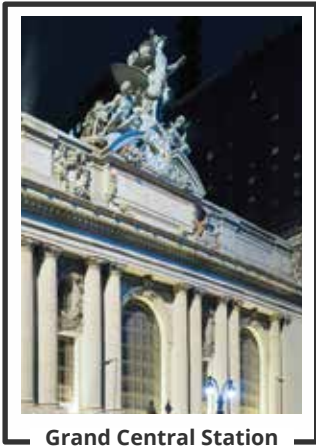


BRIAN

Field Support

We come to you to support your projects
when and where you need us.





Grand Central Station
New York, NY



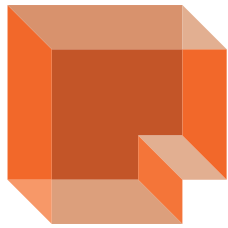
Wrigley Building
Chicago, IL



United States Capitol
Washington D.C.



R.W. Kern Center
at Hampshire College



PROSOCO

You. Us. The project.

