

# DA2200 Joint Stabilizing Anchor

## Product Description

DUR-O-WAL's DA2200 Joint Stabilizing Anchor is 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. Anchors are fabricated from two 1/32 inch sheet metal sleeves and two 8 gauge steel wires which maintain alignment of the joint. They are available in either Mill Galvanized finish or Stainless Steel.

The Expansion Anchor fastener provided for concrete applications is either a Zinc Plated Carbon Steel bolt and washer or a Stainless Steel bolt and washer, each with brass sleeve and cone.

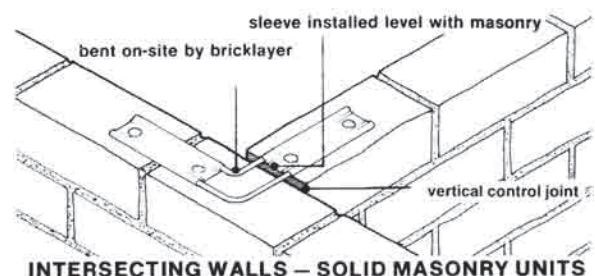
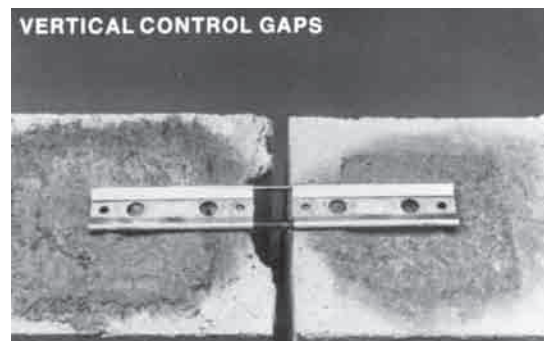
## Features and Benefits

- Provides a positive connection between intersecting walls while allowing movement in the plane of the intersecting wall.
- Allows for expansion of clay masonry and shrink age of concrete or concrete masonry.
- Adaptable for connection to steel framing.
- Stainless Steel rods assure maximum corrosion protection in open joint without impairing movement within the sheet metal sleeve.
- Plastic joint sleeve insures that expansion can take place by properly spacing sleeves.
- Sleeves can be embedded in masonry bed joints or fastened to existing construction.
- Does not require site fabrication of sleeves.
- Can be easily added to existing walls if expansion joints are required.
- Does not require sash grooves to transfer load.

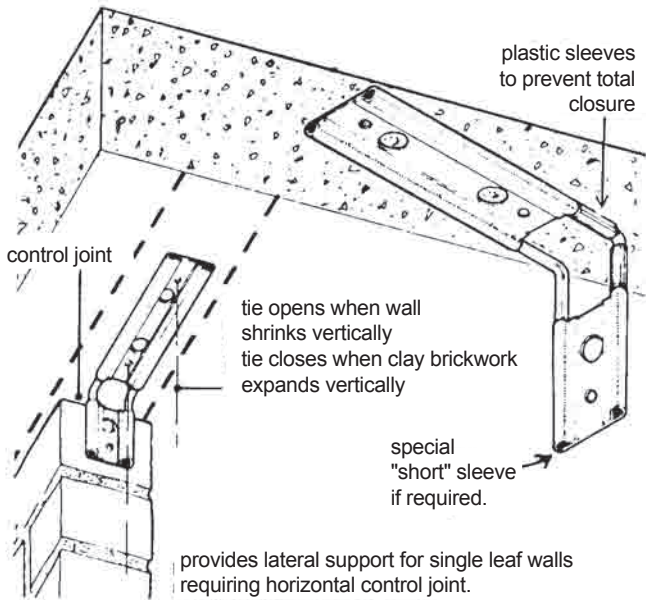
## Applications

DUR-O-WAL DA2200 Joint Stabilizing Anchors are ideal for:

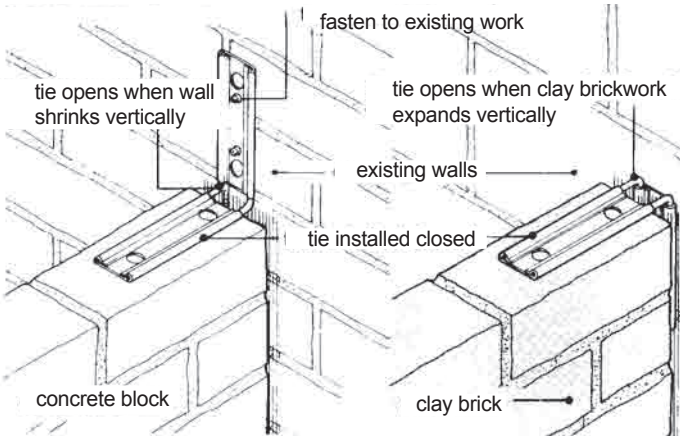
- Expansion joints in masonry especially in parapets.
- Isolation/control joints at intersecting walls and at locations where new work is attached to existing work.
- Situations where embedded slots or anchors are accidentally omitted and an "add on" anchor is required.



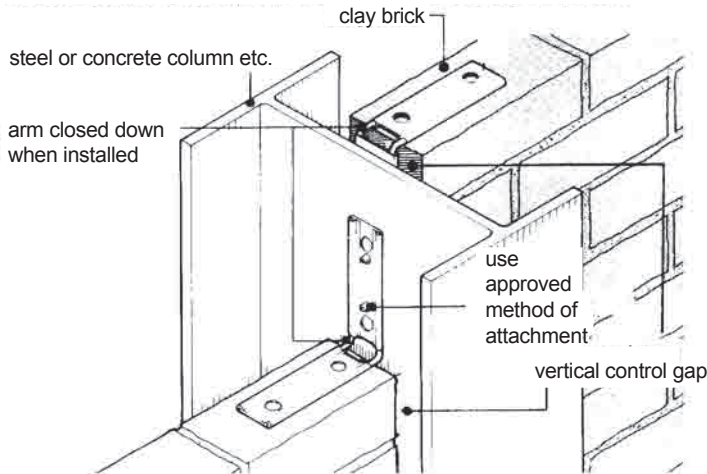
## CONNECTION TO SLABS OR SPANDREL BEAMS



## CONNECTION OF NEW TO EXISTING WALLS



## STEEL OR CONCRETE FRAME CONSTRUCTION



## Code Compliance

Codes require that joint reinforcement and bond beam steel be interrupted at control joints and expansion joints to allow movement within the plane of the wall. There are NO code requirements to give guidance for resistance of out of plane forces and movement at these joints. The MSJC Code requires an area of steel equal to 0.0003 times the wall area. Based on the fact that these joints resemble stack bond head joints, DUR-O-WAL 2200 anchors are made with 2 - 8 gage wires. Table 1 gives recommended spacing based on the MSJC Code and the Uniform Building Code requirements.

Wythe Thickness	Gross Area in <sup>2</sup> /ft.	Required Area Across Head Joint (0.0003 x Area)	Maximum Vertical Spacing Required DA2200 (MSJC Code)
4 Inch Block	43.50	0.013 in <sup>2</sup> /ft.	39 inches
6 Inch Block	67.50	0.020 in <sup>2</sup> /ft.	25 inches
8 Inch Block	91.50	0.027 in <sup>2</sup> /ft.	19 inches
10 Inch Block	115.50	0.035 in <sup>2</sup> /ft.	14 inches
12 Inch Block	139.50	0.042 in <sup>2</sup> /ft.	12 inches

## Load Transfer Capacity<sup>2</sup>

Type	Load <sup>1</sup>
Standard	305 Lb.

<sup>1</sup> Based on 5/8" wide joint. Load for 3/8" wide joint will be higher.

<sup>2</sup> Porter, Lehr, Lorenz, Barnes, Shear Testing of DUR-O-WAL DA 2200 masonry expansion connector January 1992 - Engineering Research Institute, Iowa State University.

## Warranty

Seller makes no warranty of any kind, express or implied, except that the goods sold under this agreement shall be of the standard quality of seller, and buyer assumes all risk and liability resulting from the use of the goods, whether used singly or in combination with other goods. Seller neither assumes nor authorizes any person to assume for seller any other liability in connection with the sale or use of the goods sold, and there is no oral agreement or warranty collateral to or affecting this transaction.

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