

## Head Restraints

These type of products are generally used to restrain the tops of free standing walls by tying them securely to an overhead structure, thus preventing sideways movement.



### Product

#### VIR Internal Head Restraint

The VIR Head Restraint is designed to restrain the top of the inner of cavity walls.

VIR allows vertical movement between inner leaf the structure by using a tubular sleeve which sits in the vertical joint and a tie section which is bolted to the soffit and slides within the sleeve. The foot of the tube section is built into the bed joint with the vertical joint being filled either side of the tube.

Vista recommend using an M8 M.D. Anchor when fixing to concrete and either a M8 isolated setscrew (universal beams) or M8 H.S.M bolt (hollow sections) into structural steelwork.

VIR available in a variety of head options i.e. slotted, holed or notched (to suit cast-in channel). Capable of restraining loads up to 1.5kN. Generally positioned at 450mm or 900mm centres depending on load at head of the wall.

#### Safety Precautions

VIR Internal Head Restraints are manufactured from sheared plate and strip so may contain sharp edges. Suitable personal protection should always be used when handling/installing these products.

### Installation

1. Mark position of VIR, position tie, mark, then drill holes.
2. Build Inner leaf up to penultimate course.
3. Reposition assembled VIR and fix using the selected fixing ensuring the anchor is tightened to the correct torque.
4. Continue to build last course ensuring joints are filled with mortar.

| Tightening Torque:   |             |
|----------------------|-------------|
| M8 M.D. Anchor       | <b>15Nm</b> |
| M8 Isolated setscrew | <b>14Nm</b> |
| M8 H.S.M. Bolt       | <b>25Nm</b> |