VHR Head Restraint

Data sheet
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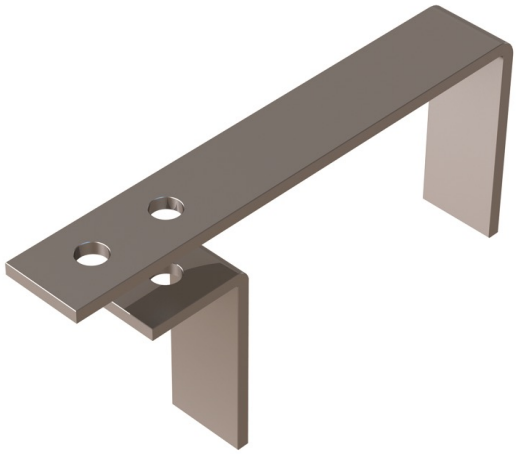
Head Restraints

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

VHR Head Restraint

The VHR head restraint is designed to restrain the top of the inner leaf of cavity walls.

The standard restraint consists of 2 angles and can be used to restrain both 100mm and 140mm thick block by utilising the offset holes in the longer angle, the restraint is fixed using a single M8 bolt and are typically positioned at either 450mm or 900mm centres depending on the load resistance required.

Vista recommend using:
an M8 FBN II anchor when fixing into concrete
an M8 Isolated setscrew when fixing into UB / UC
an M8 Molabolt when fixing into RHS / SHS

The VHR can also be manufactured to suit a 215mm block inner leaf.

Test Results

Summary of declared values

Performance across **100mm** thick AAC Block:	
Mean shear load capacity horizontally	**3380N**
Mean displacement at 1/3 of load capacity	**1.49mm**
Performance across 140mm thick AAC Block:	
Mean shear load capacity horizontally	**3550N**
Mean displacement at 1/3 of load capacity	**1.09mm**

Installation

1. Position larger angle, mark, then drill the hole.
2. Build up inner leaf.
3. Reposition larger angle, offer up the smaller angle and fix through both angles with the selected fixing ensuring the anchor is tightened to the correct torque.

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.