

Internal Head Restraints



Wincro WT75HR Head Restraints provide restraint to the top of masonry walls and are designed to build into the perpend joint at the head of non-loadbearing, internal blockwork walls. WT75HR incorporates soffit movement, whilst providing resistance to lateral loads up to 1.5kN.

INSTALLATION

Provide a maximum 25mm gap between top of masonry and underside of structure.

Position the WT75HR head restraint within the perpend joint and position centrally within the block. Ensure restraint is at least 50mm from each edge.

Normally fixed at 450mm or 900mm centres, WT75HR should be positioned to suit Engineers loadings and fix to the structural soffit through a 9mm slotted hole to suit M8 fixings.

Lower section of restraint should be placed directly on top of the block below and both the horizontal and vertical joint filled with mortar. It is important that each side of the anchor is built in within the vertical joint and allowed to cure prior to service.

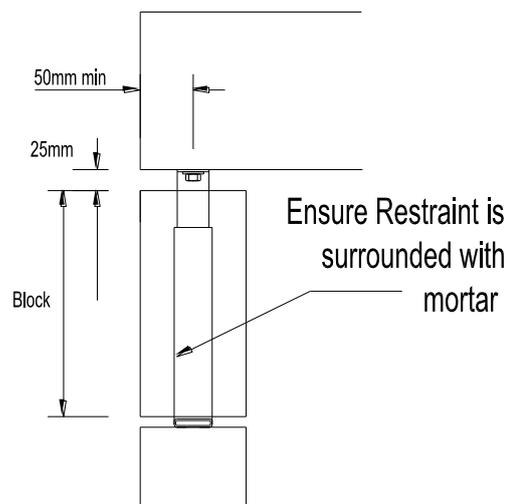
Fixing

Fix to concrete using WBEB M8 Expanding bolt. They can also be fixed to cast in channels by using an integral channel fixing head to suit Wincro WC28 (specify WT75HRC28) or WC38 cast in channel (specify WT75HRC38).

When fixing to structural steelwork, WT75HR should be fixed using Xylan coated setscrew with isolation patch (WBXSM8+WIP).

It can also be fixed to rolled hollow sections using Wincro RHS Blindbolts (WBBBM8). When fixing to structural steelwork, an isolation patch (WIP) must be used to separate the dissimilar metals.

Depending on detail, the head of the fixing bolt may need to be cut back locally to accommodate the fixing head. Always ensure a suitable length product is used and correct fixing depth achieved.



GENERAL

All Wincro products are produced from Type 1.4301 (304) Stainless Steel u.n.o. and are generally produced from sheared plate. As with all similar industrial fabrications, these may present sharp edges and suitable personnel protective equipment should be worn at all times during handling and installation. In all cases, installation should be entrusted to appropriately qualified/experienced persons.

All contact between dissimilar metals must be isolated using isolation patches/washers.

All bolts specified must be installed and torqued to Manufacturers Recommendations / Guidelines.

The Construction applications and details provided in this guide are indicative only.