

**TTIHR**

## STAINLESS STEEL INTERNAL HEAD RESTRAINT

The TTIHR Head Restraint is designed to restrain the top of the inner leaf of cavity walls. The TTIHR allows vertical movement between the inner leaf and the structure by using a rectangular sleeve which sits in the vertical joint and a top section bolted to the soffit designed to slide within the sleeve. A welded flange at the bottom assists with embedment in to the horizontal mortar joint.

The TTIHR is available with 3 head options i.e., slotted, 10mm hole and 6mm hole. The standard TTIHR is supplied to suit a standard block but specials can be made to suit site requirements.

### Test results

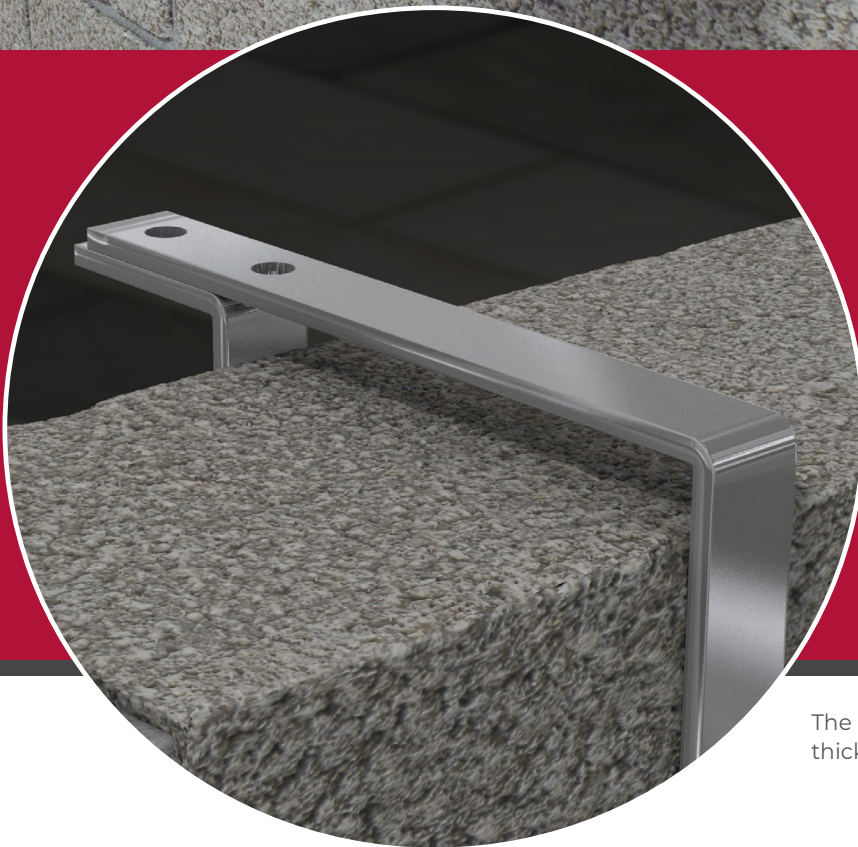
The tests were carried out by Lucideon Ltd based on the method given in BS EN 846-7:2012. Determination of shear load capacity and load displacement characteristics of shear ties and slip ties.

Mode of test	Masonry unit strength (N)	Maximum declared value (N)
Shear load capacity horizontally with a 25mm gap	3.5N Acc concrete block	840

Mortar mix proportions 1:1:6 cement : lime : sand.  
 In accordance with BS EN 998-2:-2010



**TTFHR**



## STAINLESS STEEL FLEXIBLE HEAD RESTRAINT

The TTFHR Head Restraint is designed to restrain the top of the inner leaf of cavity walls. The restraint consists of two angles fixed using a single M8 bolt which effectively clamp the top of the wall.

The fixing can be supplied to suit the full range of block thicknesses and are capable of restraining a 0.75kN load.