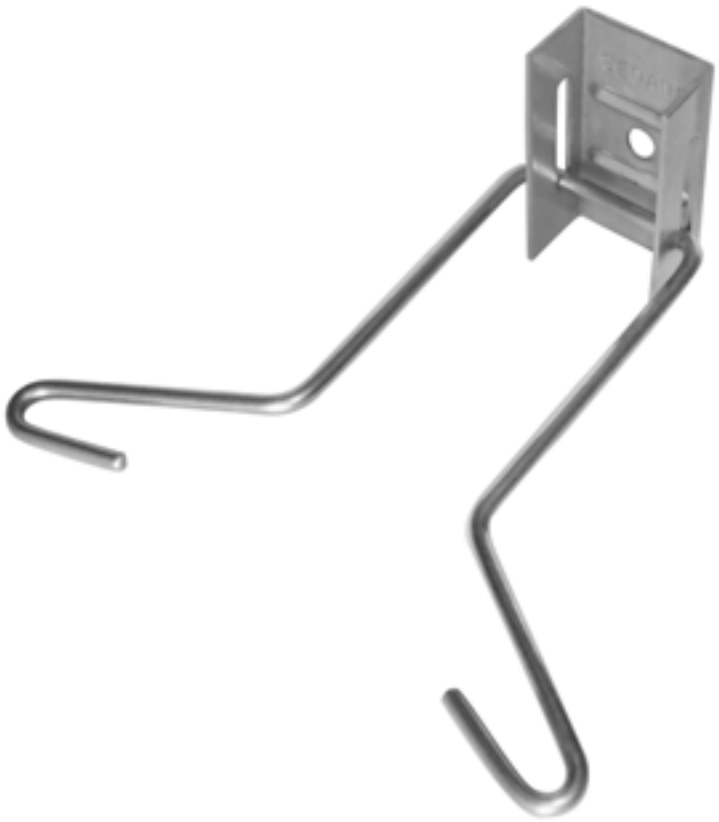
Steel for bricks



geoanc®

High strength anchors for tying masonry to the structure with the **SAO Devices**

CE

grupo GZ

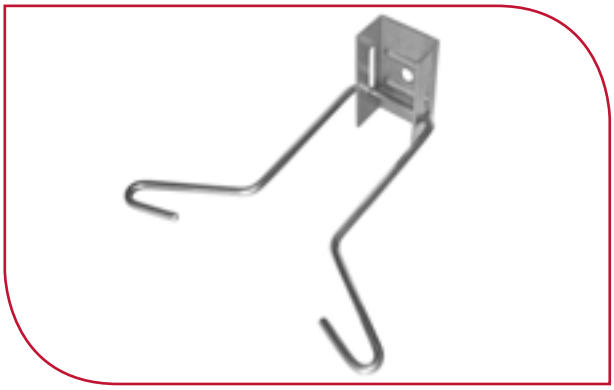
DEFINITION

These are metallic elements of stainless steel whose function is the fixation or retention of the building to the structural elements that allow freedom of movement in two directions contained in the plane of the wall. The anchors have three missions:

- Ensure no cracking in the wall
- Reduce the slenderness
- Avoid any overturning movements

The anchor is composed of two pieces, a "U" type part that is mechanically fixed to the structure and an omega that crimps into the slot of the "U" part and whose edges are embedded in the mortar of the masonry.

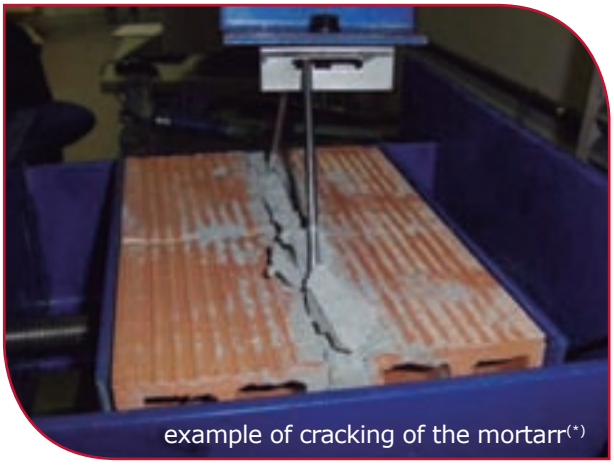
They are sold in five different formats, to allow their



placement in structure of different thicknesses, and with different building setbacks with regard to the outer face of the support or slab face. The **geoanc®** anchor is characterized by its great tensile strength as well as compressive strength and the **SAO device**.

HIGH STRENGTH ANCHOR

The unique design of the "U" type part that incorporates two ribs in the central plate makes its resistance to both tensile and compressive strength in the majority of cases, the maximum that this type of element can achieve, since its failure in tests is produced between the mortar and the masonry.



example of cracking of the mortarr(*)

(1) 1) So that the declared values of resistance are valid the product must have the CE marking and be accredited by tests carried out in a laboratory certified according to the EN 845-1 and the standard EN 846-5.

(*) Source: Test carried out according to standard UNE EN 846, by Cidemco. (notified body).

ADVANTAGES

- Installation without the need of rethinking.
- Allows freedom of movement from the building with regard to the structure.
- Prevents the entry of moisture into the interior partition.
- Stainless steel elements.
- Very economic product.
- CE Marking.
- **SAO devices**.

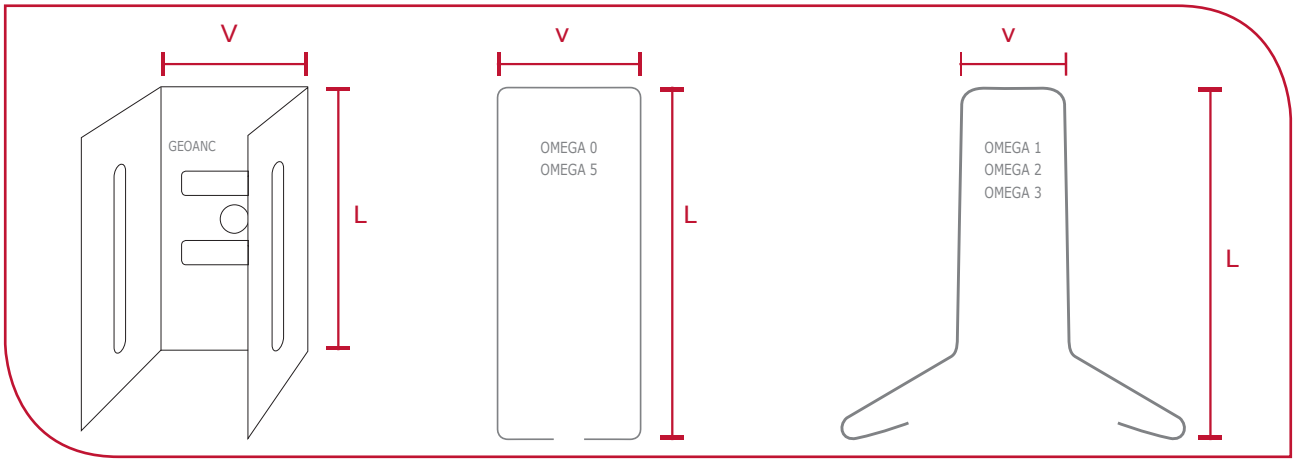
APPLICATIONS

geoanc® anchors have two fundamentals uses that are the subject of analysis and sizing applications for the particular conditions of each construction:

- Implementation of self-supporting and ventilated facades according to **GHAS® system** depending on the system. In this case, the anchor will be dimensioned to withstand the horizontal action, to avoid overturning.
- Situation of inadequate support of the masonry by errors in the position of the same lintel. In this case the anchor will be dimensioned to restore the support, which is essential for the stability of the building.

In both cases, **STEEL FOR BRICKS** performs the calculation and dimensioning of the elements without cost or any commitment(*).

DIMENSIONS



"U" TYPE PART		
	L	64 ± 0,5
	V	36 ± 0,5

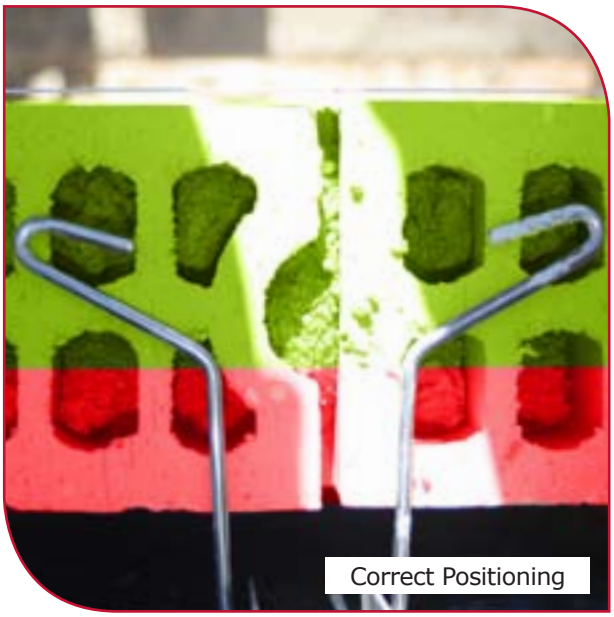
OMEGA	GEOANC O	GEOANC 5	GEOANC 1	GEOANC 2	GEOANC 3
L (mm)	125	250	72	125	175
V (mm)	55	66	66	66	66

(*) **STEEL FOR BRICKS** reserves the right to charge for achievement of any study which then would then be an economical amount for the above mentioned study.

SAO DEVICE (System of automatic control of the operator)

In order to guarantee the declared resistance once the anchor is placed at the jobsite, it must have at least a 4cm mortar coating on the interior face of the piece.

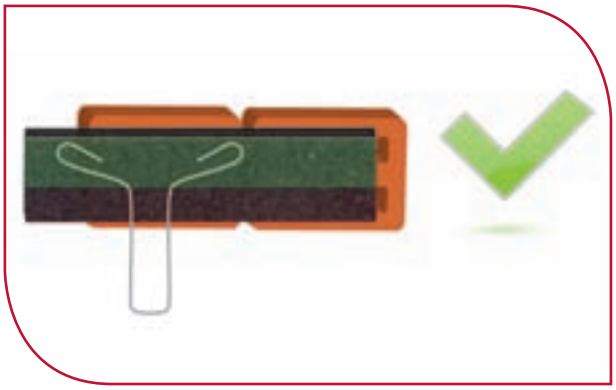
The special geometry of the omega allows for an easy visual check while placement that the anchor complies with the minimum mortar coating. At the same time it also allows checking after execution of the wall visually of correct positioning.


Correct Positioning


Incorrect Positioning

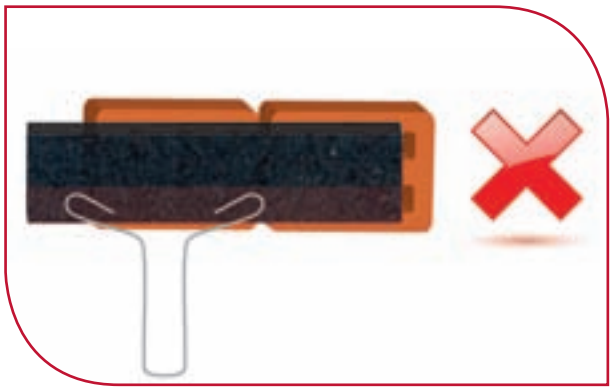
The way of such verification is simply in that the wires of the omega sticking out of the structure must be straight and parallel. i.e. there should be no bending in the entire length.

CORRECT POSITIONING



The wires that protrude from that part of the wall are straight and parallel.

INCORRECT POSITIONING



The wires that protrude from the wall are bent if they are not parallel in their entire length.

PLACEMENT

Placement and fixation of the anchor is carried out prior to the execution of the structure.

THE COMBINED USE OF GEOANC® ANCHORS AND GEOFOR® IN THE GHAS SYSTEM PROVIDE AN ABSOLUTE PEACE OF MIND AND A TOTAL GUARANTEE OF THE EUROCODES COMPLIANCE:

- **OPERATORS**
- **BUILDERS**
- **CHARTERED BUILDING SURVEYORS**
- **ARCHITECTS AND ENGINEERS**
- **DISTRIBUTORS**

www.steelfb.com

Pol. Ind. El Saco, Parcela, 10
E-50172 Alfajarín. Zaragoza (Spain)
Tel. +34 976 790 640 · Fax: +34 976 100 597
e-mail: export@steelfb.com

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