

ISOCLIMA

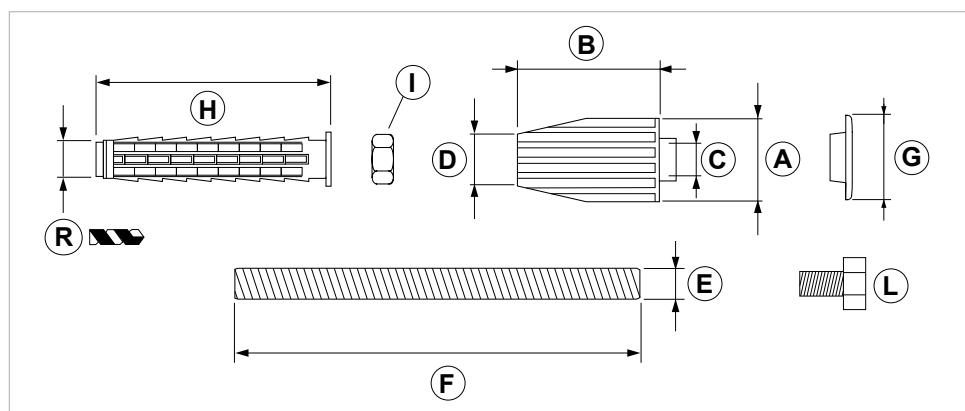
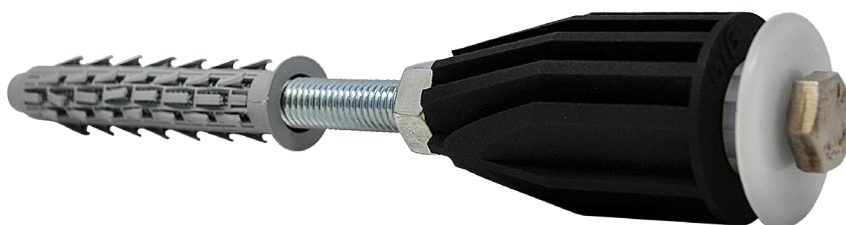
Insulating fixing for walls with exterior insulation and finishing systems

APPLICATION

Professional fixing system for thermal insulation on walls with external insulation and finishing systems (EIFS), from 80 mm to 160 mm thick.

FEATURES AND BENEFITS

- > **The insulating cone** - made of polyamide reinforced with fiberglass - has an internal barrier which stops heat conduction, while preventing even condensation and dripping within masonry.
- > It is perfect for **air conditioning units and hanging loads** which have to be installed in buildings with EIFS.
- > Suitable for different kinds of masonry, such as: **concrete, solid brick walls, and hollow brick walls** (when used together with "TCH PE 165" and "TCH PE 300" injection resins).
- > It is provided with **high performing "TOP" reticulated sleeve** - complete with wings which prevent rotation and extraction -, M12x200 threaded rod, supporting washer, locknut and M10x25 stainless steel fixing bolt.



COD	TYPE	For EIFS (mm)	Min. drilling depth (mm)	A	B	C	D	E	F	G	H	I	L	R
120225	ISOCLIMA 12X200	80-160	180	40	76	M10	M12	M12	200	40	100	M12	M10X25	16

ANCHORS AND SEALANTS

ANCHORS FOR INSULATED WALLS

MATERIALS TECHNICAL DATA

M12x200 THREADED ROD

Steel 4.8 EN ISO 898-1 with electro zinc plating 7-8 µm

RETICULATED SLEEVE

PE Polyethylene

COVERING WASHER

PP Polypropylene

M10x25 BOLT

Stainless steel AISI 304 - EN 10088

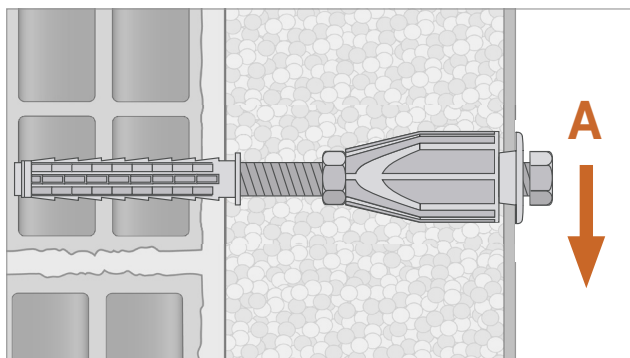
THERMAL INSULATING CONE

PA6 Polyamide reinforced with fiberglass

BASE MATERIAL

Hollow brick - Solid brick - Non-cracked concrete

RECOMMENDED LOADS



Recommended load is the average resistance loads with a safety coefficient.

Data expressed in daN. 1daN=1kg.

TYPE	EIFS thickness (mm)	A
ISOCLIMA 12X200	100	32
	120	25
	140	18
	160	12

It can be used only on suitable masonry or on the ones that have been proved to prevent capsizing.

The "TOP" reticulated sleeve is to be used only on hollow brick walls.

INSTALLATION TOOLS AND RECOMMENDATIONS

For the hanging fixing of air conditioning unit, it is always recommended to use 4 "Isoclima" systems: 2 on the crossbeam and 2 on the vertical metal struts.

ASSEMBLY INSTRUCTIONS

1. Drill the exterior insulation in the spot chosen for the installation using a suitable milling machine. The latter must have a diameter of 40 mm and a depth of about 80 mm.
2. Depending on the exterior insulation's thickness, make a hole 12-16 mm wide starting from the cavity created using the milling machine, and drilling until the needed depth.
3. The diameter of the hole must be of 12 mm when the masonry underneath the exterior insulation is made of concrete, while it must be of 16 mm when masonry is made of hollow bricks.
4. Drilling depth inside masonry should reach at least 100 mm.
5. Adjust the length of the provided threaded rod according to the exterior insulation's thickness, taking into account the thickness of the *Isoclima*'s insulating cone.
6. Once the hole has been made, make sure to clean it up accurately - using cleaning pump and brush - removing all leftovers coming from previous steps.
7. Assembly the whole *Isoclima* system starting with M12 threaded rod, and making sure to completely screw it. Then set locknut, washer and bolt, checking the right installation depth.
8. In case of hollow brick wall, insert the *Top* reticulated sleeve making sure to setting it all the way into the very same bricks.
Please note that, in order to make *Isoclima* go through the exterior insulation, the hole must be increased to 22 mm, which is the diameter of the locking washer.
9. Extrude GIA's chemical anchor - *TCH 165* or *TCH 300* - within *Top* reticulated sleeve.
10. Insert the whole *Isoclima* system by screwing it in, until it gets flush with the exterior insulation.
11. Seal hollow spots between *Isoclima* and insulation panel using the waterproof sealing *G-Attack bianco*.
12. Depending on external temperatures, let the resin dry as long as needed before applying the load.

PACKAGING

In cardboard box

DATE 06-2023 REV. 01

The current technical data sheet substitutes and cancels the previous ones. The details provided fit our current knowledge of the product. It cannot lead us to any sort of responsibility or compensation.

Gia S.p.A. reserves the right of changing technical features and molds without notice.

This company is subject to "Ethica Global Investments S.p.A." management.

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