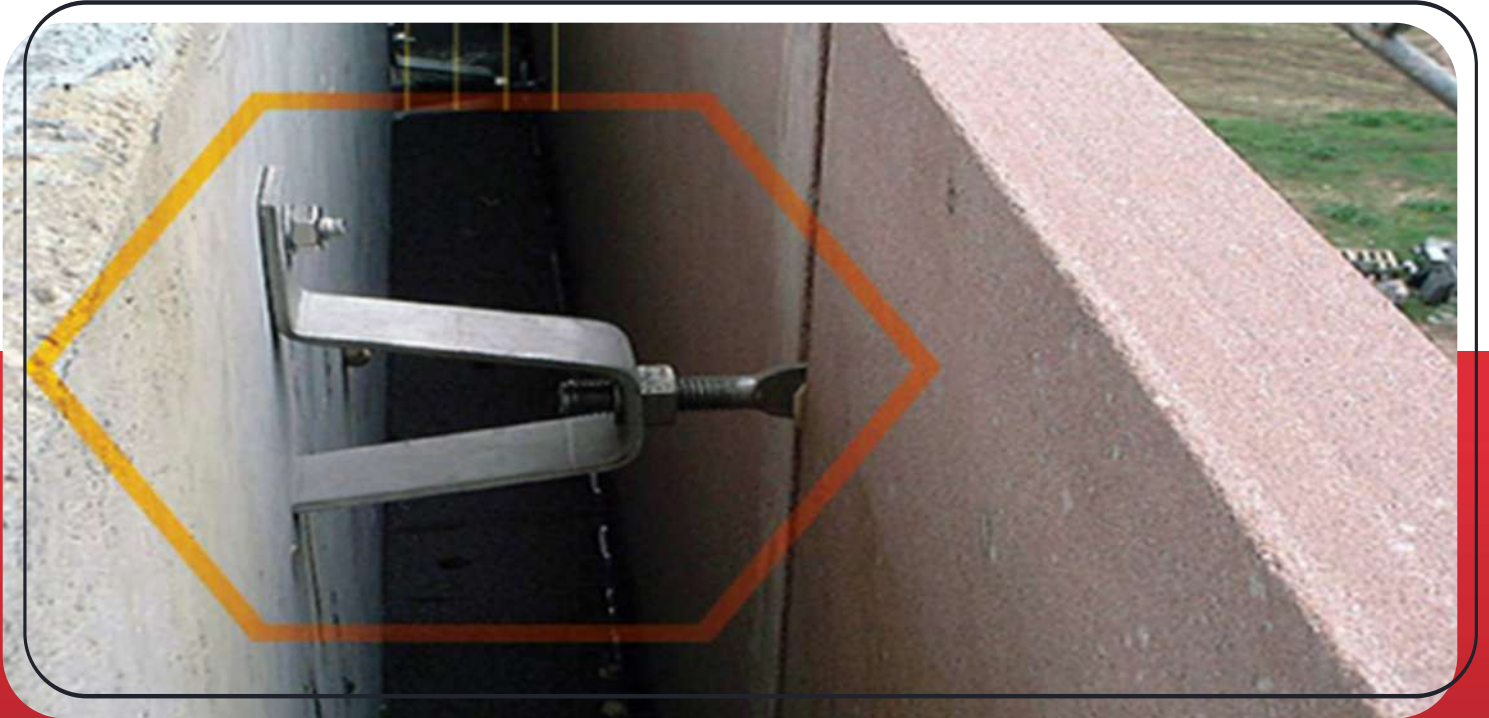




ELITE COMPANY STEEL MECHANICAL FIXATION



OUR SERVICE

- Cable Management System
- Marble Fixation
- Steel Work Laser Cutting
- Plastering & Blockwork ACC
- Handrails & Metal Doors

We are the profesional partner,
We always ready for your project

WHY CHOOSE US?

We strive for an environment of
innovative solutions, responsibility
and quality on time.



ELITE

Mechanical Fixation

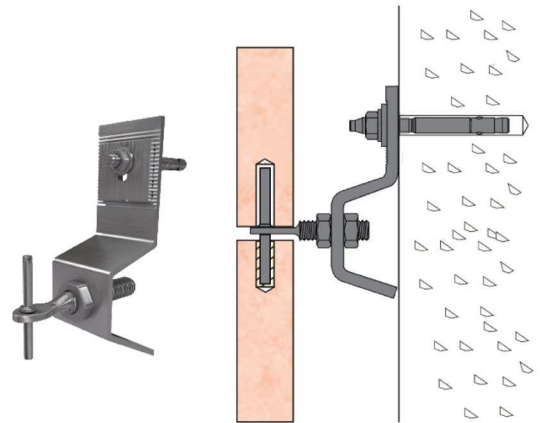
INTRODUCTION

FIXING SYSTEMS ACCOMMODATE ALL TYPE OF BACKING WALLS WHETHER THEY ARE CONCRETE WALLS, BLOCK WORK & MASONRY WALLS OR STEEL STRUCTURES. MARBLE AND GRANITE MECHANICAL CLADDING FIXATION INCLUDES THE DESIGN, CALCULATION AND PRODUCTION OF SEVERAL TYPES OF FIXINGS USED FOR CLADDING PURPOSES.

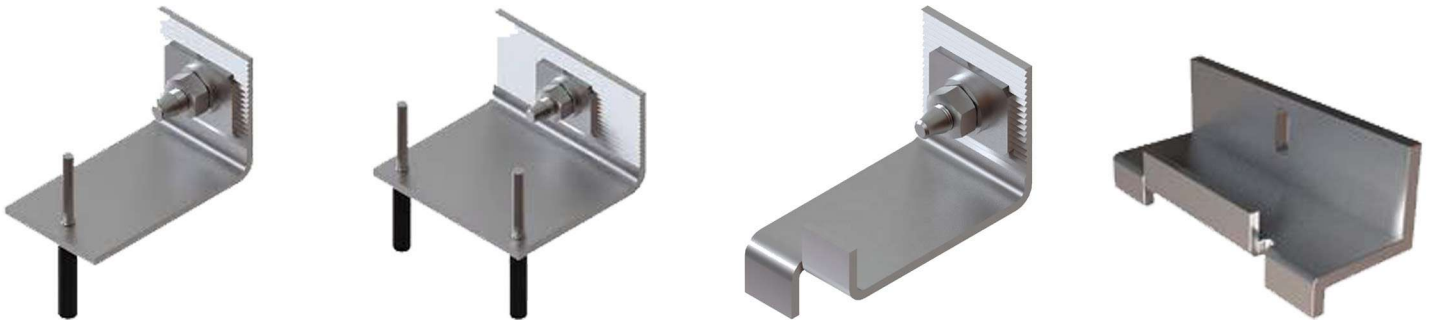
MATERIAL

- STAINLESS STEEL 304
- STAINLESS STEEL 316
- GALVANIZED STEEL ST37

STONE CLADDING



L- Bracket



Adjustable L-Bracket Types





ECS Mechanical Fixation

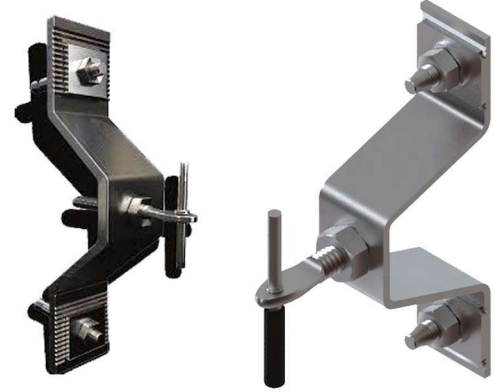
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FOR CLADDING SYSTEMS

Z- BRACKET



OMEGA BRACKET



C- BRACKET



BRACKET ACCESSORIES



FLAT HEAD BOLT



PIN
(Plastic Tube)

U-CHANNEL



U-CHANNEL ACCESSORIES



SPRING NUT



WEDGE ANCHOR

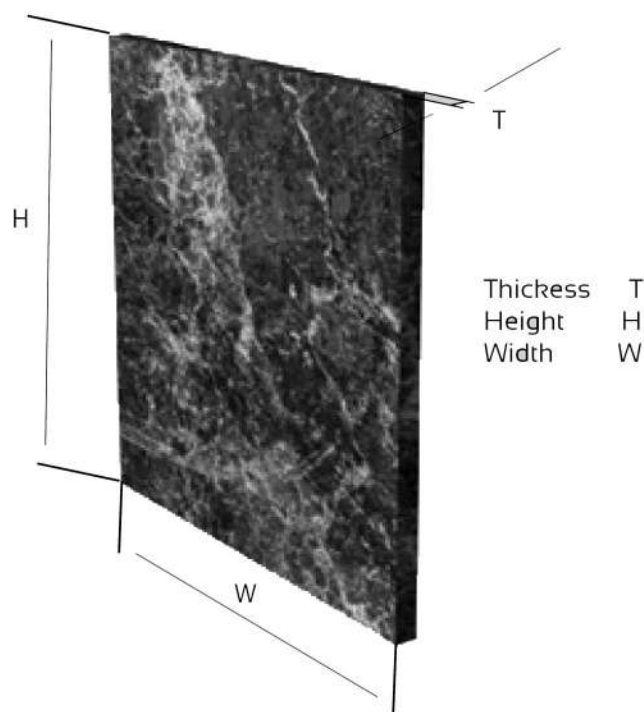
**ELITE****ECS Mechanical Fixation**

Design Criteria

The design for the supporting structures of buildings claddings should be based on some basic principles :

- a) The shape and the material of the structure to which the cladding is to be anchored (concrete, hollow brick, etc);
- b) The shape and the material of the facing to be anchored

Cladding Types	Design Weight (KN/m3)
Ceramic, Tuff	20
Limestone conglomerate,	25
Nagelflue, Travertine	26
Dolomite, Sandstone, Greywake	27
Granite, Porphyry, Syenite, Slate, Limestone, Marble	28
Basalt, Diorite, Gabbro, Gneiss	30



- c) The forces to which the building itself may be subject (winds of particular intensity, seismic activity, etc);
- d) The environmental surroundings in which the building is located, paying particular attention to harmful atmospheric conditions which may be found in industrial, marine or other areas.
- e) Arrangement of panel anchor in vertical or horizontal joint

The awareness and a complete analysis of these factors is a necessary condition for the correct planning, in order to guarantee the highest safety levels possible.



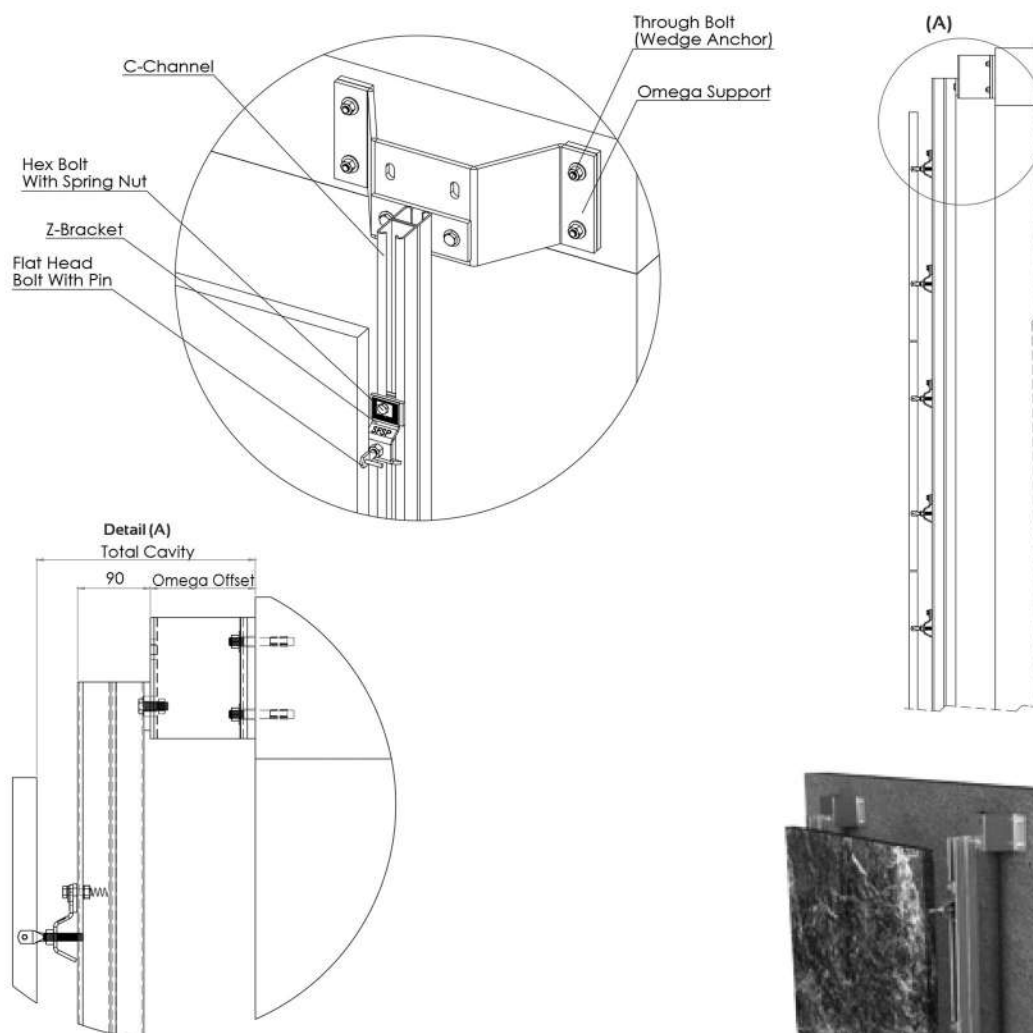


ELITE
ECS Mechanical Fixation

BTB with Omega Support and Z-brackets

Steel back-support system for large cavity using omega brackets, channels and Z-brackets with bolts and spring nuts fixed to the channels and adjustable flat head bolts.

- For cavity 200mm
- distance of Omegabrackets ~200-300cm

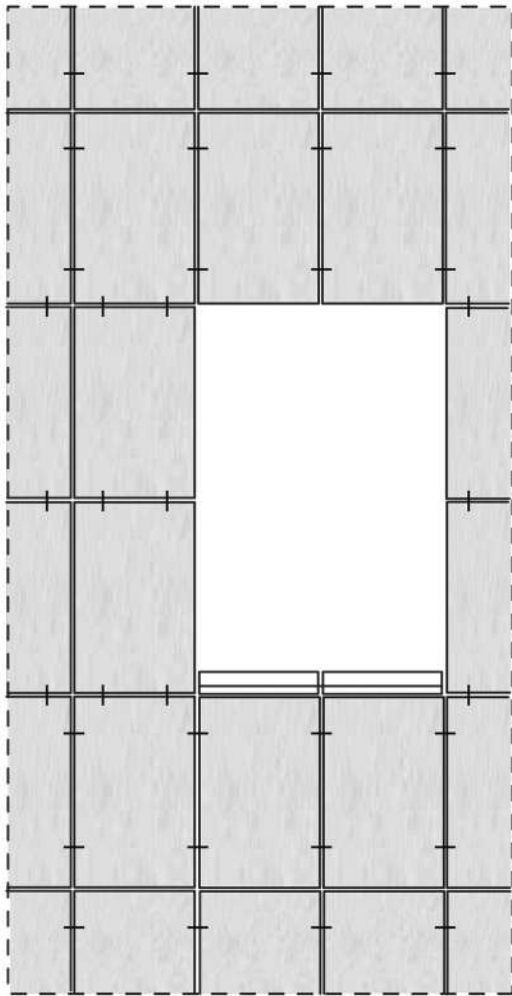




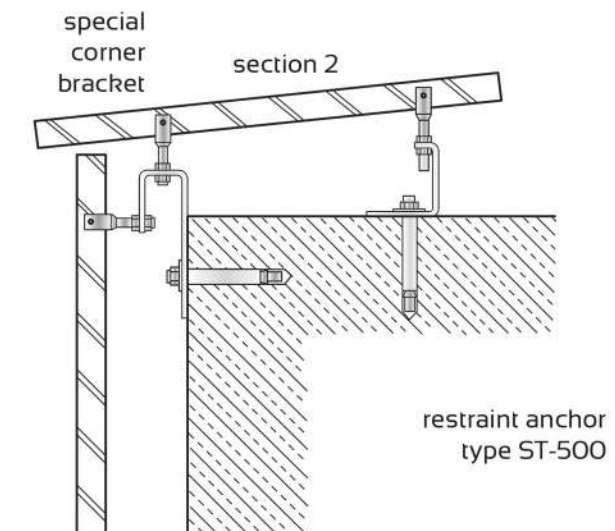
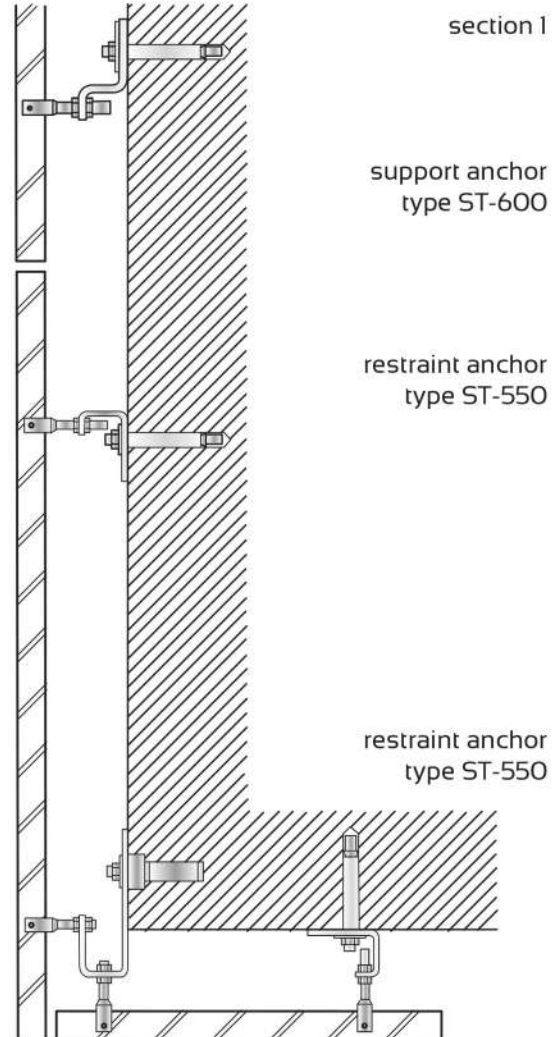
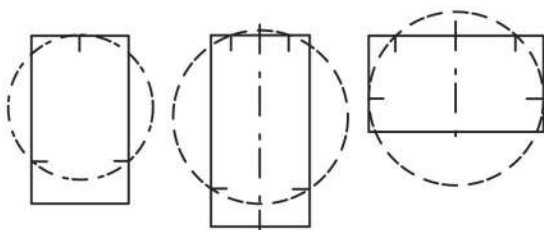
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Detail solution: fixing of slabs at opening. ex . window



Fixings positions as per DIN 18516 part3.
Slabs will be held usually at 4 points.
minimum at 3 points.
Fixings positions have to allow the slab to
contract or expand freely when subjected to
temperature.
All fixing points have to be located on an
imaginary circle if drawn through these
points.





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BLOCK WORK ACCESSORIES

MATERIAL

- HOT ROLLED STEEL
- COLD ROLLED STEEL
- STAINLESS STEEL

SURFACE TREATMENT

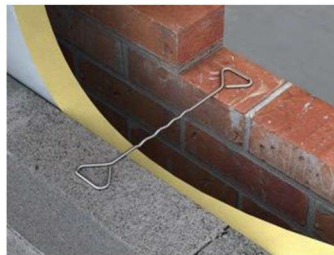
- GALVANIZED STEEL
- HOT DIPPED GALVANIZED

RELEVANT STANDARDS & SPECIFICATIONS

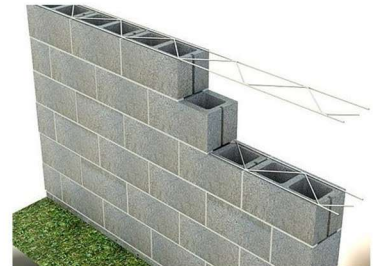
Steel Lintels



Wall Ties



Block Reinforcement



TYPES OF ACCESSORIES





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