

# SOLUTIONS FOR THE PRE-CAST INDUSTRY



# PRE-CAST BUILDING. ***THE ORIGINS OF AN IDEA.***

For over the last 50 years **EDILMATIC** has been working in the field of the building industry always looking for the best solution for the assembly of pre-cast elements. **Since 1965 EDILMATIC** has constantly developed new technologies and know-how with the aim of supplying innovative and market-oriented solutions.

The most important aspect when designing our products is the continuous analysis of our customers' needs in order to create **solutions which are not only functional but also straightforward and trustworthy**. Starting from the indications of the customers, our engineers shape these into ideas that later on will give birth to high quality and state-of-the-art products.

This process includes also internal **laboratory tests** with a complete quality assessment of both components and materials.

## **RESISTANT**

All systems developed for restraint, support or lifting must have first of all **excellent mechanical properties as well as traction and shear resistance**. All items are produced in several models, depending on the capacity load required.

## **FLEXIBLE**

Our systems enable many configurations and the **possibility of adjusting during the assembly of the elements**. Moreover, thanks to the accessories included, each system can vary its function depending on actual usage: the same system can be used as a sliding connection or block the elements.

## **SIMPLE**

Our solutions must have a **simple and straightforward application**, whether it regards the assembly of the elements or their placement within pre-cast structures.



# ANCHOR CHANNELS AND ACCESSORIES

THE RANGE

## ANCHOR CHANNEL



### ANCHORAGE SYSTEMS FOR CONCRETE PRE-CAST ELEMENTS

and for the installation of other accessories for the finishing of buildings. Delivered with CE-marking and pegs, as well as bolts, hexagonal nuts and bespoke washers.

- Sizes**
- GD** 40x25x2,5 mm
  - GF** 28x15x2,3 mm
  - GI** 38x17x3 mm
  - GE** 52x30x3,3 mm
  - GM** 52x31x4 mm

ANCHOR CHANNEL WITH PEG



TOOTHED CHANNEL WITH PEGS



CHANNEL WITH BRACKETS



Z1 CHANNEL WITH BRACKETS Standard and on the side



## KNURLED SQUARE



EDIL SR

ANCHOR HEAD BOLT Mod. TAG1 and TAG2

HAMMER HEAD BOLT Mod. TMG1 and TMG2



## RESTRAINT PLATE



EDIL R



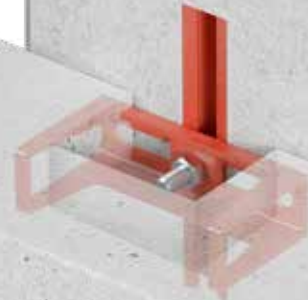


■ PRECAST BUILDING

# RESTRAINT SYSTEMS

## QT BOX

Restraint systems for the **CONNECTION OF PRE-CAST ELEMENTS TO CONCRETE STRUCTURES**. The system is composed by an insert to be applied in the channel and, based on the application of the different accessories, allows the production of both fixed and sliding systems.



## ANTI SEISMIC CONNECTION EDIL S SYSTEM

**ANCHORING SYSTEM FOR PANELS**. The system is composed by anchor channels linked by the use of two sliding joints (with restraint plate, bolts and fixing accessories); this system allows the free and safe sliding movement of the elements.





# SUPPORT SYSTEMS

## MT BRACKET

Our solution for the **SUPPORT OF EXTERNAL PRE-CAST PANELS** mounted on pillars and/or beams.

## MOT6 BRACKET

Horizontal bracket for the **SUPPORT OF EXTERNAL ELEMENT** on beams' and/or slabs' extrados.



## EFT SYSTEM

This system is ideal for the **TEMPORARY FIXATION OF PILLARS TO THE FOUNDATIONS**. The system, composed by a square plate, an anchored plate and a fixing-foundation element allows to maintain the pillar in vertical position.



SQUARE  
mod. **EFT**



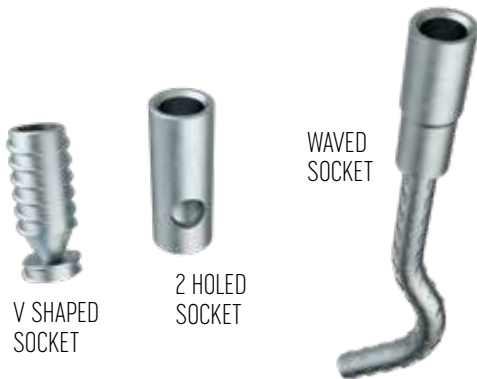
ANCHOR PLATE  
mod. **PZ12**



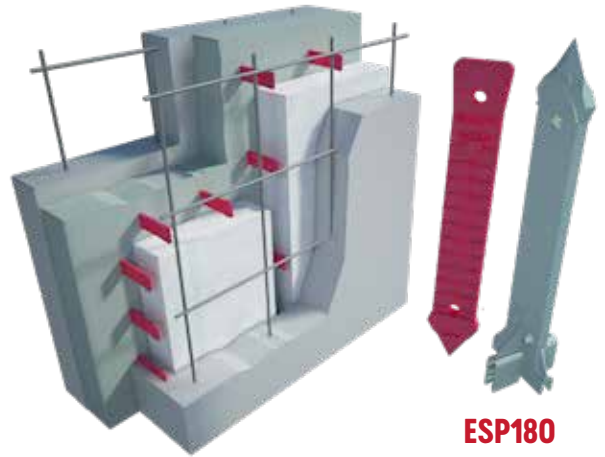
# LIFTING SYSTEMS AND ISOTHERMAL CUT PANELS

## FIXING AND LIFTING SOCKET

**FIXING AND LIFTIN SOCKET FOR CONCRETE ELEMENTS.** The perforated version of the sockets is useful for the insert of reinforcement bars.



## ESP PIN



Connection system for isothermal panels to **AVOID THERMAL BRIDGES.**

- ESP180**
- ESP200**
- ESP260**
- ESP320**

Free of charge calculation software **K-TERM** for the thermal calculation of the panels and placing of the ESP pins.



## LIFTING CLUTCH, PEG AND ANCHOR

**LIFTING AND MOVEMENT CLUTCH FOR CONCRETE ELEMENTS:** the lifting can be made from either vertical or horizontal position.



PROJECT  
MANAGERS

COMPANIES

TRADE AGENCIES

UNIVERSITIES

EDILMATIC

# A KNOW-HOW NETWORK

To share experience and know-how is vital in this field,  
and **EDILMATIC** has always fostered this.

**WE STRONGLY BELIEVE IN SAFETY  
AND AWARENESS.**

## TECHNICAL DOCUMENTATION

**EDILMATIC** solutions are delivered with detailed technical documentation and calculation samples, in order to help the job of project managers.

## PROFESSIONAL CONSULTANCY

Our technical department is always available to support customers dealing with whichever need and/or problem.

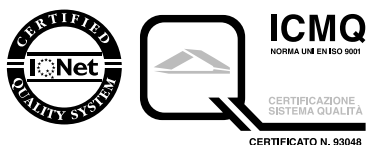
## TRAINING SESSIONS



Our new training centre welcomes customers and partners for training sessions conducted not only by our engineers, but also by university professors, as well as advisors and other specialised technicians.



**EDILMATIC** is specialised in the research, planning, development and production of systems for the assembly and strengthening of precast structures.



**UNI EN ISO 9001** QUALITY MANAGEMENT SYSTEMS

**UNI EN 1090** MANUFACTURING OF STEEL AND ALUMINUM STRUCTURES

**ETA 16-0560** EDILMATIC ANCHOR CHANNELS AND CHANNEL BOLTS

**UNI EN 15129** ANTI SEISMIC SYSTEMS

**2006/42/CE** MACHINE DIRECTIVE



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