



# TECHNICAL CATALOGUE



**ALUMINUM FORMING SYSTEMS  
FOR THE CONCRETE FORMING  
INDUSTRY**



**Construction  
with Euro Star System  
Includes  
Fast , Progressive  
Resistance &  
Profitable**

**EURO STAR** offers to the construction companies **Industrial Construction System** based on **Aluminum Modular Panels** are highly adaptable and versatile formworks that permit to develop projects minimizing time and cost of labor and work thanks to advice and support offered by its human and the constant innovation and the quality of their equipment



# A REVOLUTIONARY SYSTEM OF MOLDS THAT FACILITATES THE INDUSTRIAL CONSTRUCTION THE CREATION OF EURO STAR FOR BIG PROJECTS

**EURO STAR** is a company founded in 1999 in Spain, based on excellence of his staff, product innovation and technology their processes.

Currently we are leader the design and manufacture of molds for mass construction concrete housing.

**EURO STAR** has designed a constructive system led to the mass production of concrete construction.

The mold is composed of standard panels metric, which are assembled in different configurations according to specifications architecture of each project.

Loyalty, motivation, learning, values sharing, harmonization of interests are **EURO STAR** essential elements. Each member of our company strives to improve the performance product we make, thinking all the time how to increase productivity of our customers.

**EURO STAR**'s success lies in its deepest engagement: managing loyalty based on a management style that develops strong partnerships with customers, suppliers, employees and shareholders.



# QUALITY TOTALLY APPROVED

We promised for the quality and security for our clients because of our organizational culture and the politic of our company



## Multiple the productivity

We work with you from planning the project, advising on the technical specifications and the defining the dimensions of the housing, because know that when you purchase a **EUROSTAR** equip you DO NOT necessarily want to use the same design for the entire life of the mold. Hence always trying to design at least **80%** of mold is composed of standard parts, which allows greenfield easily reconfigure different.

**EURO STAR** gives more productivity to your work making it faster, cheaper and safer. The **EURO STAR** molds are designed to be used more than 1500 times with maintenance appropriate, generating large economies of scale.





## Increase Number of Apartment Monthly

By EURO STAR monolithic system, the execution time of housing is reduced considerably (less than half) in compared with the traditional system, as to be finished daily and in a single stage, facade walls, internal walls dividing, architectural and housing slabs.

**EURO STAR** gives more productivity to your making work faster, cheaper and safer.



## Decrease Labor Cost

**EURO STAR** system is very simple in use and with very few accessories. Whereby the personnel to move formwork requires minimal training and without the use of cranes.

**EURO STAR** panels weigh only 22 kg per m<sup>2</sup>, making them in man portables operation, facilitating the assembly sequence and dismantage.



## Decrease Materials on Finishing and Wastage of Work

In the traditional system the block walls are plastering and then paste is applied to the final completion. With **EURO STAR** system, the walls and slabs are ready to apply the paste (3 mm) directly on the surface and even be left apparent and this will save on the costs of termination. **EURO STAR** system allows clean works free of debris that generate the constructor savings.

## The EURO STAR's Technology is Flexible

Our philosophy is to design for you solutions that integrate into special parts of mold architectural design for your as it was intended.

From "pigeon breast", frames and lintels in windows, interior borders to different types of slabs that are finished together with the walls and leave no margins to rework costs.





## Construct with mas Services

**EURO STAR** , through its strength in service, provides a continuous support to the constructor, always highly trained, from the preliminary until completion of the construction, in order to improve your experience with the system for permanent optimization of resources and success complete works.

## Profitability Stabilized

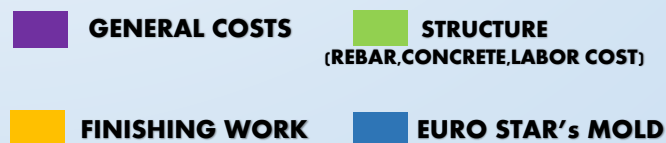
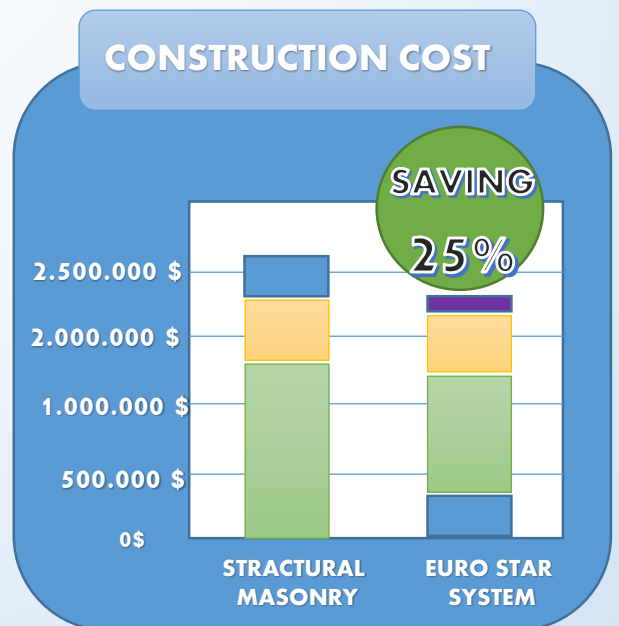
The Cost analysis have shown quantitatively and in a real-time, the benefits of Industrialized construction **EURO STAR** system of concrete walls. we have cost analysis of all the countries where we operating molds, we compared the EURO STAR system , with other building systems such as structural masonry (block) in Clay and in particular, the frame system, masonry stack and system prefabricated and results in profitability, savings materials, costs and time to your project are strong.

## Family more happy and home more secure

The **EURO STAR** construction system allowing simultaneously pouring concrete walls, and heads of housing, provides insurance seismic behavior that is widely used and proven in the world.

This means that in the event of an earthquake, an earthquake or a hurricane, not only your investment be safer but the most important value, your family, will have greater protection . The **EURO STAR** construction system also allows the progressive development for you to expand your home according to its possibility.

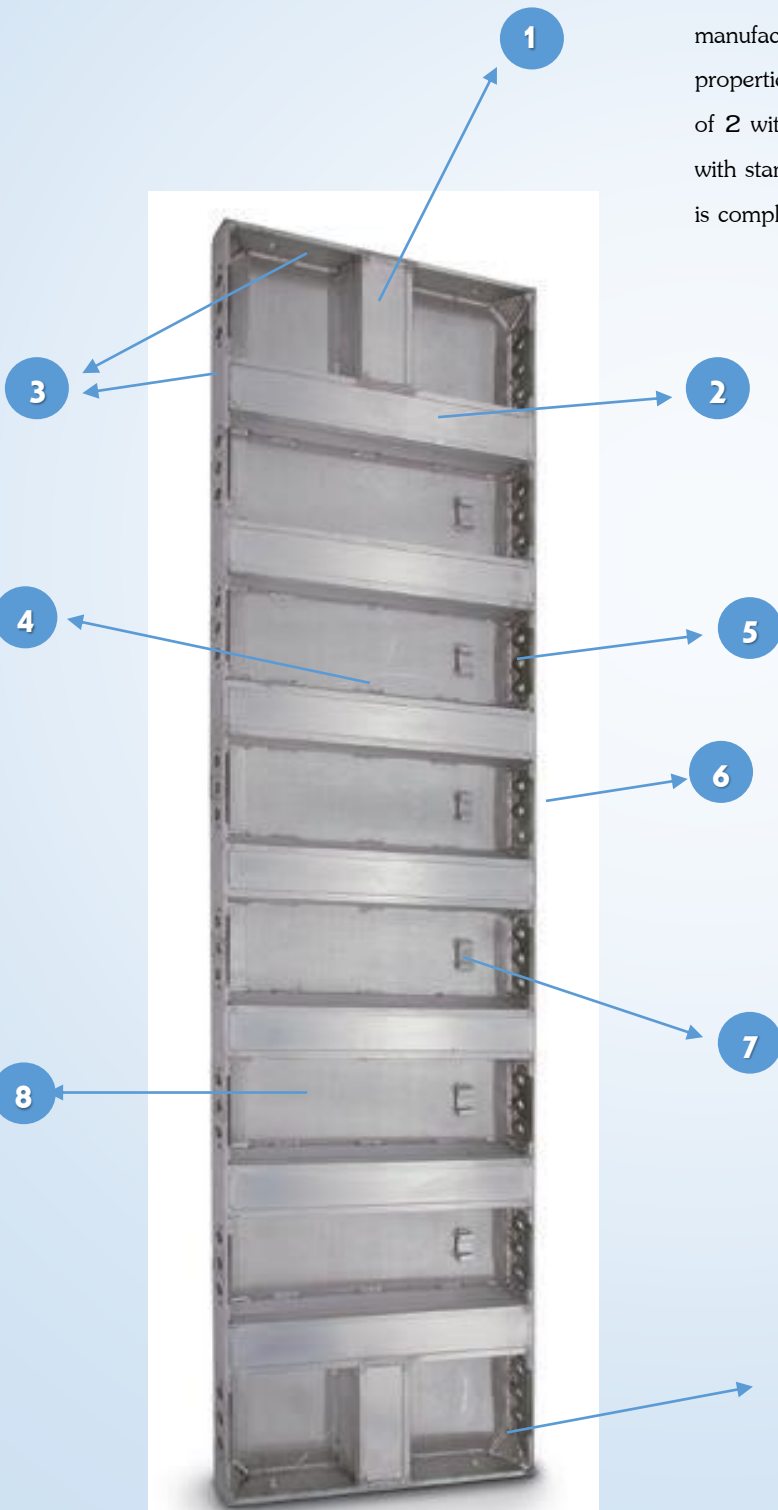
### CONSTRUCTION COST



# SYSTEM OF WALL

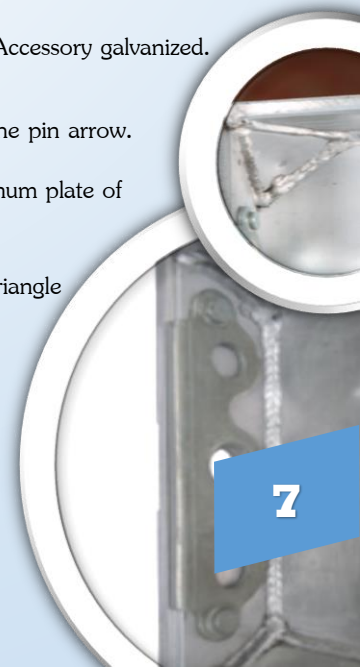
## Formwork in Aluminum Sheet

Panel made of aluminum alloy sheet series Aluminum Magnesium thickness 1/8 "with treatment strain hardening-tempering for increase their property and bring it into the total hardness. To manufacture solder alloy 5356 is used, with excellent mechanical properties, and its sequence cords to maintain a factor of safety of 2 with respect to the design pressures, 60 psi. Is designed to with stand pressures drain 60 Kpa. The contact face of the panel is completely smooth, ensuring a perfect finish surfaces concrete.



## COMPONENT

- 1 Vertical reinforcement zones of higher pressure.
- 2 Horizontal reinforcement
- 3 Horizontal and vertical Platinum structure the panel frame.
- 4 Welds located according to certified testing.
- 5 Perforations: placed every 30cm , starting the first 15 cm of the plate base.
- 6 Bushing: Steel Accessory galvanized.
- 7 Base to install the pin arrow.
- 8 Protective aluminum plate of hammer impact.
- 9 Reinforcement triangle in corners.





Studies to determine the size of the panel to achieve better modulation, better adaptation from one project to another and better handling led us to set the standard panel dimensioned EURO STAR.

Standard Panel: 60 cm width with heights of 210 and 240 cm. The clearances are achieved by combining standard panels of different heights and supplements Slab Wall Union – SLU.

Width (cm)	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
90	5.13	5.41	5.68	5.95	6.22	7.56	8.44	9.09	10.05	10.70	11.56	12.53	13.57	14.22	15.18	18.53	16.90
120	6.84	7.20	7.55	7.91	8.27	10.06	11.02	11.88	13.17	14.03	15.11	16.39	17.64	18.51	19.79	20.65	21.94
150	8.55	8.99	9.43	9.87	10.31	12.55	13.60	14.68	16.28	17.36	18.65	20.25	21.72	22.80	24.40	25.48	26.98
180	10.25	10.78	11.31	11.83	12.36	15.05	16.18	17.47	19.40	20.69	22.19	24.12	25.80	27.09	29.02	30.31	32.02
210	11.96	12.57	13.18	13.79	14.40	17.54	18.76	20.26	22.51	24.02	25.73	27.98	29.88	31.38	33.63	35.13	37.06
240	13.67	14.36	15.06	15.75	16.45	20.04	21.34	23.06	25.63	27.34	29.27	31.84	33.95	35.67	38.24	39.96	42.10

Weight (Kg)

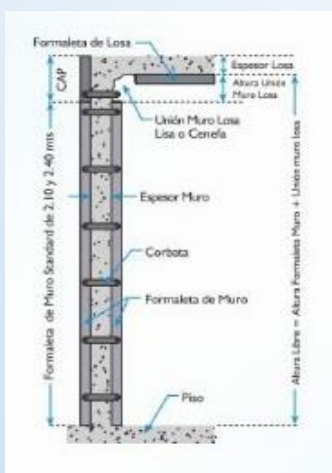


Free Altitude		
220	210	10
225	210	15
230	210	20
235	210	25
240.7	240	0.7
245	240	5
250	240	10
255	240	15
260	240	20
265	240	25
270.7	270	0.7
275	270	5
280	270	10
285	270	15
290	270	20
295	270	25
300.7	300	0.7
305	300	5
310	300	10
315	300	15
320	300	20

# SYSTEM OF WALL

## Complement Panel

The complements of the standard formwork uses for complete the overall height of the exterior wall comprising the thickness of the slab. The advantage of using this type of configuration is the use of the standard formwork, which may be more easily adapted to future projects....



## Exterior Angle

Aluminum profile, used to form the exterior corners at 90 degrees, with the formwork of walls.

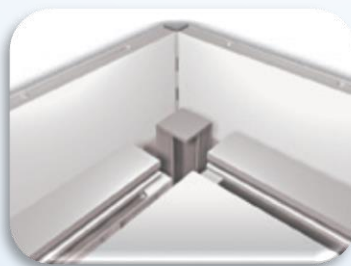


The exterior corner will achieve different types of vertical and horizontal assemblies between pieces.



## Corner of Internal Wall

Aluminum profile used to form the Internal corners 90 degrees with the formwork of wall.



To facilitate desencofre wall panels and slab, the inner corner is modulated on 2 sections, the upper slab covers the wall junction to drilling the first wall panel and lower section covers the rest of the length of the wall panel.



## Top wall

Aluminum profile 3/8 "thickness, used as a closure a wall. As assembled panels (with pins and wedges), and in certain Sometimes, if the configuration is not standard, can be used with pin staples. For walls with a thickness over 12 cm, it reinforces the top wall, profile angled or tubular profile ..



Cornerbacks in hand upper bearing cap make perfect assembly the slab and the wall Union slab.

When the slab Wall Union Valance is type cap corner of the same cefena type.



## SYSTEM OF WALL

### Corner in Cruz

The cross assembly is formed by four corner wall.  
It is fitted with pins and wedges as all the other panels.



### Corner in L

The corner assembly or "L" is consists of four parts:

- A corner wall.
- An exterior angle.
- Two formwork width equal to wall thickness more corner back wall. These pieces are coupled with pins and wedges.

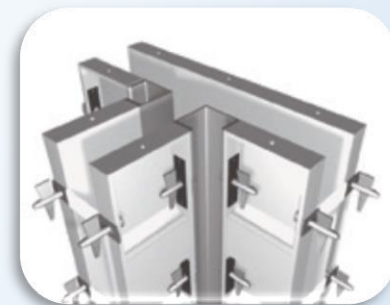


### Corner in T

The ensemble on "T" is always formed three parts:

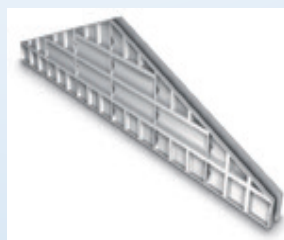
- Two corner.
- A wide wall formwork equal to the thickness of the wall plus 2 EQM.

These pieces are coupled with pins and wedges.



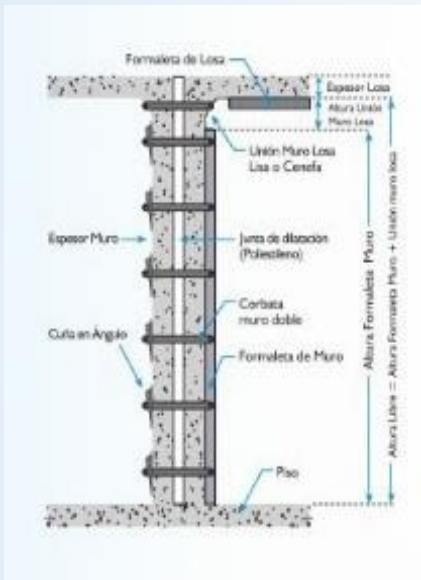
### Head

Determine the shape, height and a tilt angle wall.  
Formwork for butts are secured to the formwork of wall with pin clip on the edge and bottom pins and wedges the side edges.



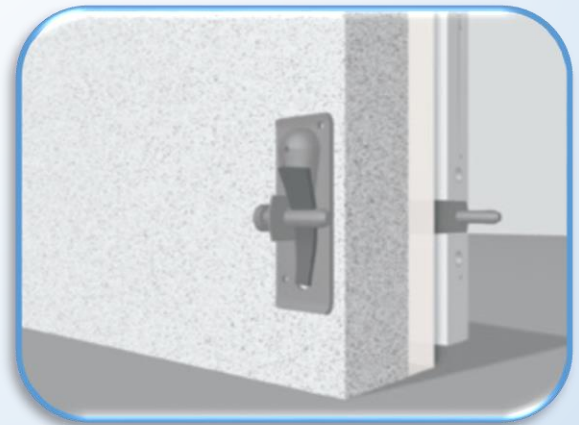
In industrialized construction the homes share the same wall between a house and another or other sometimes there are double wall with expansion joint between them, so the system uses **EURO STAR** accessories needed for pouring or casting these walls.

## Double Wall



## Wedge Angle

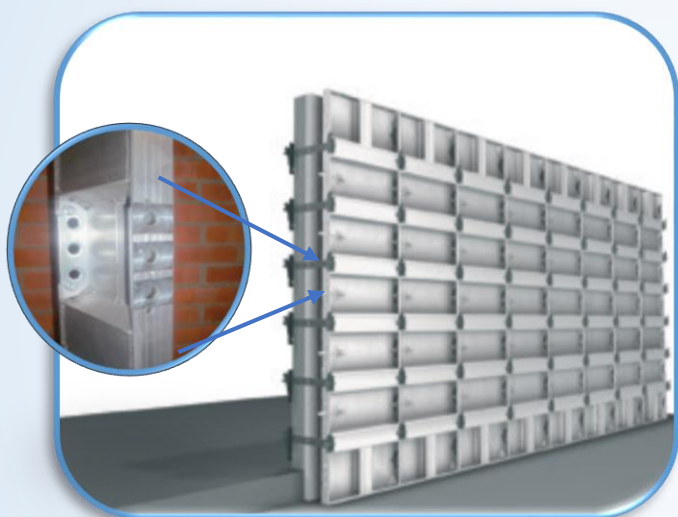
Its function is to determine the ties that bind wall and fused with wall panels with that is to melt the other wall to give the adjustment necessary to ensure the wall thickness. for each Ties should be installed wedge angle.



## SYSTEM OF WALL

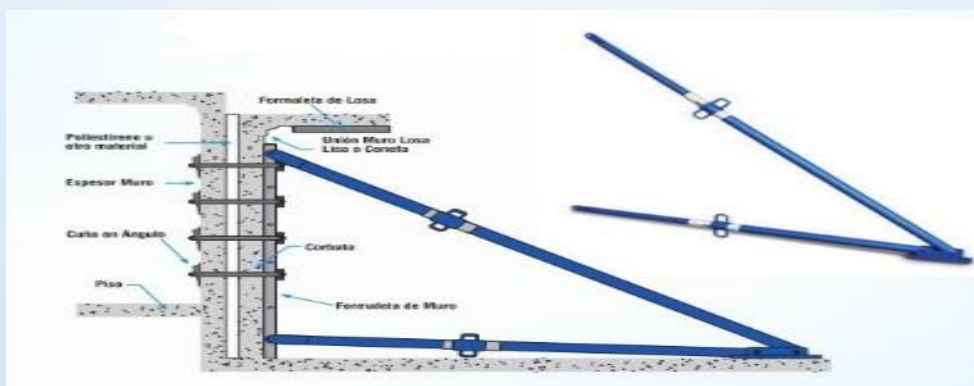
### Double Wall with Board Dilation and Elevation

For slopes less than or equal to 50 cm field and in multiples of 5 cm between housing and other or within the same housing, **EURO STAR** system delivers panels or milled in the three perforations to facilitate passage of ties to tie and will keep the thickness of the walls.



### Tensioners Support

The walls with slope should always be docked at the base and at the top using tensioners support to resist the thrust of concrete. These clamps can be used together sharing the same base or each one separately with their individual base.



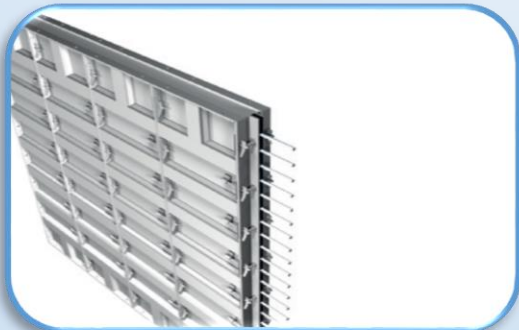
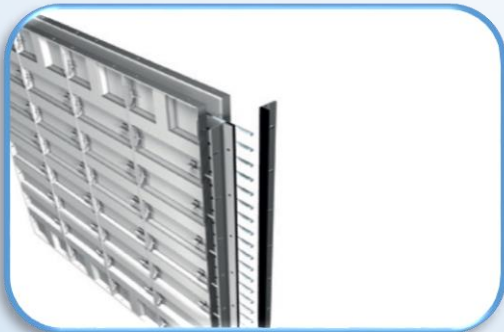
## Shared Wall

In industrialized construction is very common walls between houses sharing therefore this requires letting steels housing and remain fused to the overlapping meeting to the next.

For steel overlap in work usually timber used, but for the sake of **EURO STAR** optimize the system developed to cover key vertical walls with a single mesh.

## Cover Key Wall

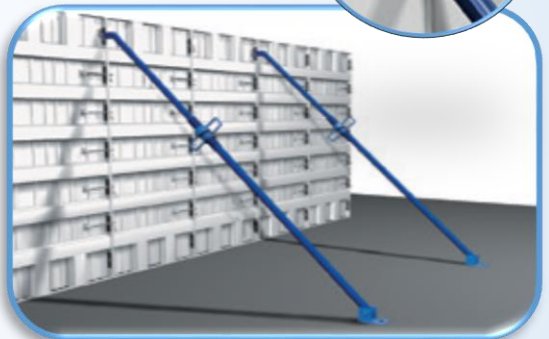
Cover aluminum wall splitting into two parts equal to allow the passage of steel from next emptying. Each section of the lid has a profile joined sponge rubber to ensure a perfect seal and prevent the passage of concrete.



## Tensor Wall

It is used when we need to bring a wall or lead. The brace is easily attached to formwork wall with the same attachment hardware (pin and wedge).

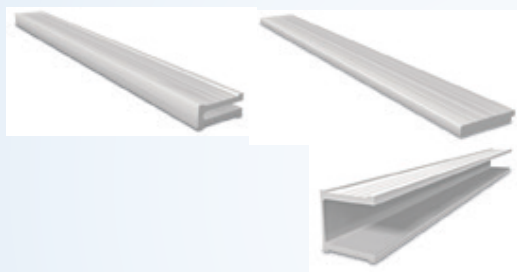
The design of end allowed to pivot fits to the floor to secure its position.



## SYSTEM OF WALL

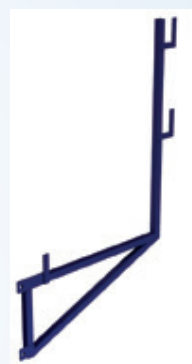
### Adjustment Filler

It is used as an actuator or wildcard when spaces are not multiples of 5 cm, in the event with the same team build different homes, with wall thickness changes. Profile 1 cm is very useful in adaptations team.



### Gangways Heads

They are installed on the wall formwork as platforms for senior facilities butts, pediments, slab edges.





## Standard Slab Formwork

Formwork are made with aluminum foil 6061 alloy and 6261 temper 6, which dovetailed joined together with solder 5356 aluminum . 7.5 cm transverse reinforcements , to ensure the best performance deformation of the panels in service .

The side profile is used slotted and drilled for going performing an assembly slab formwork another . This grooved profile allows the use of these panels in different positions, secured with pin staple to no overlap between perforations exist another, between panels . Are handled as standard panels of 90 x 120. without But according to the required design can handle widths and lengths , from 10 to 90 , different combinations . Width of side rail : 54 mm . Contact face 1/8 "thick. Proper installation , operation and maintenance work in accordance with the recommendations of **EURO STAR** says life above 1500 uses.



**Width (cm)** 30 40 50 60 70 80 90 100 110 120 130

	30	40	50	60	70	80	90	100	110	120	130
10	1.43	1.85	2.36	2.78	3.29	3.71	4.13	4.55	5.07	5.49	5.91
20	1.63	2.05	2.69	3.11	3.75	4.17	4.59	5.01	5.65	6.07	6.49
30	1.84	2.26	3.02	3.44	4.21	4.63	5.05	5.47	6.23	6.65	7.07
40	2.65	3.28	4.33	4.97	5.70	6.34	6.98	7.61	8.35	8.98	9.62
50	3.08	3.80	5.05	5.77	6.70	7.42	8.14	8.86	9.80	10.52	11.24
60	3.54	4.35	5.82	6.63	7.79	8.60	9.42	10.23	11.38	12.20	13.01
70	4.94	6.18	8.15	9.39	10.73	11.98	13.22	14.47	15.81	17.05	18.30
80	5.69	7.05	9.39	10.76	12.47	13.84	15.20	16.57	18.28	19.65	21.02
90	5.77	7.24	9.56	11.03	12.72	14.19	15.66	17.14	18.83	20.30	21.77

**Weight (Kg)**

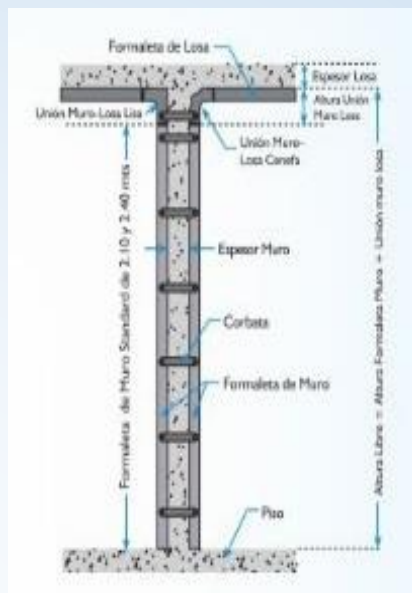
**Altitude (cm)**

# SYSTEM OF SLAB

## Union Wall Slab Lisa - Valance

Part of aluminum profiles manufactured in 6061, that function is to serve as a connector between the formwork wall and slab formwork for forming the monolithic EURO STAR system

These parts are reinforced at all corners making them very resistant to severe work descimbre desencofre or to which they are subjected. should be periodically checked every 250 uses. Its design shaped valance offers right angle or as a result, well-orthogonal vertices presented.



Union smooth slab wall



Union border wall slab

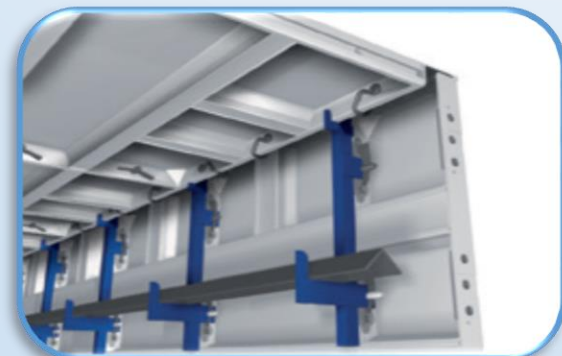


## Blade

Extruded 0.7 Cm high, which serves as a connector between the wall and the slab. By their minimal thickness, there less movement at this junction which generates more precise right angle of the structure.

## Support for Blade

Its function is to keep the blade firmly on the panel and prevent movement inward or outward.

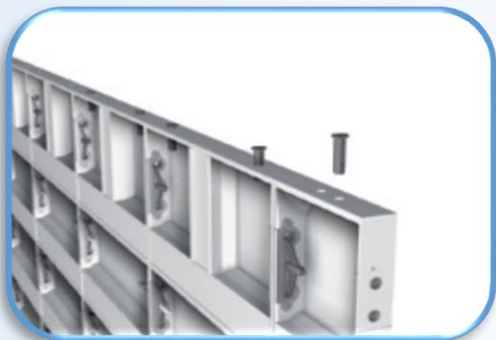


# SYSTEM OF SLAB

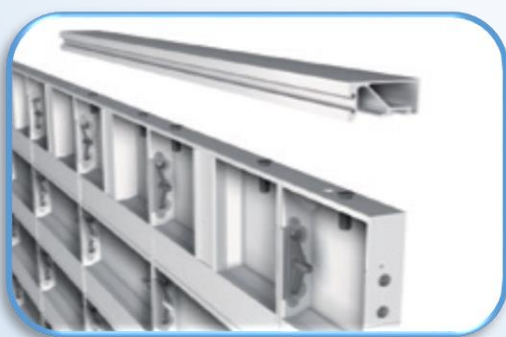
## Wall slab Union (5)

Stru Listing 5 cm high, which serves as a connector between the wall and the slab. By its height there is less movement at this junction which generates more precise right angle of the structure.

**Step 1** Flathead pin is installed in the wall panel



**Step 2** UML 5 is mounted on the panel, the pin is inserted and secured with the wedge.

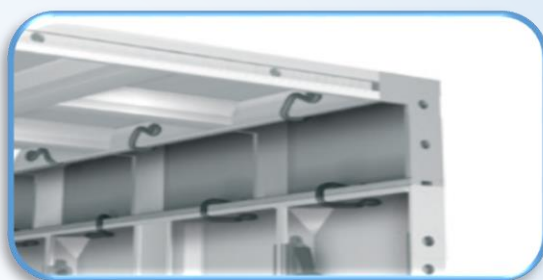


**Step 3** The slab is attached to the pin UML stapled.



## Wall Slab Union(10,20,25)

These unions are the perfect complement to the standard panel with 210 free reach heights of 220, 230 and 235.



## Head

This panel serves as a connector body panel wall and the inclined slope. Each panel is manufactured with the required angle according to the inclination of the slab.



## Slab Shoring

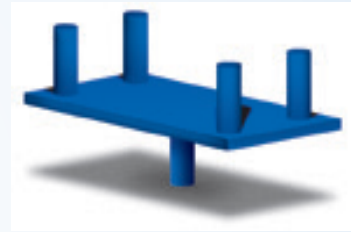
The dimensions of the panel is variable according to the modulation of the slab. Its function is to hold the slab supported during and after emptying, for this reason, three sets of these slabs are delivered.



## Base for Jack

Accessory used to keep leveling the formwork when the concrete is poured (cast).

They are installed at the intersection or joint 3 or 4 panels slab. These accessories are removable when the desencofre slab is performed.



# SECURING ACCESSORIES

## Pin Arrow

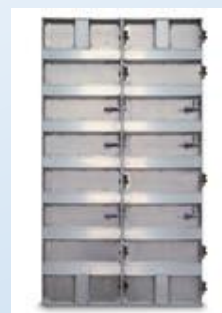
## Pins

Accessories for securing panels in walls and slabs systems are manufactured in high strength steels with heat treatments that enable them to withstand high workloads. The wall formwork can be supplied with arrow pin, fixed and van accessories that are installed in formwork from 45 cm to 60 cm wide.



## Screwed Pins

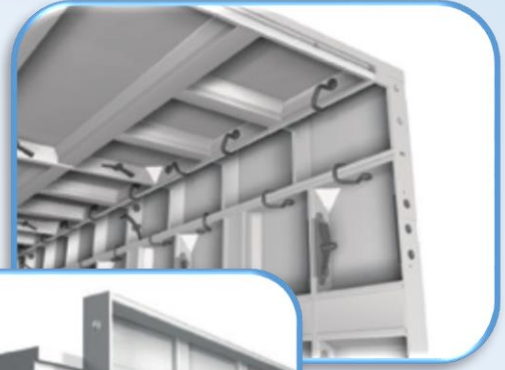
Pin functions as variable length so that it can be used in any filler, because the nut that has run through the thread and gives the required length for each case.



## Staple Pin

Accessory used for fastening rails drilled grooved rails as:

- Panels slab wall slab junction.
- wall to wall panels slab junction.
- wall formwork Top wall with.
- Panels strut slab with slab.
- slab panels together.



## Wedge

Works together with pins and arrow pin. Its curved shape allows easily insert reducing the risk of damage to the formwork.

For his demanding job, review and change is recommended every 250 uses. If wear is excessive and does not fit with the pin must be replaced.



## Neck Wear

Carbon steel accessory for holding and separating formworks determining the thickness of the wall. Are installed at the junctions of the full height panels each 30 cm.

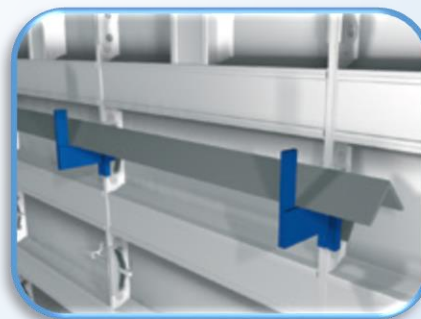
For his demanding job, review and change is recommended every 250 uses.



## ALIGNMENT ACCESSORIES

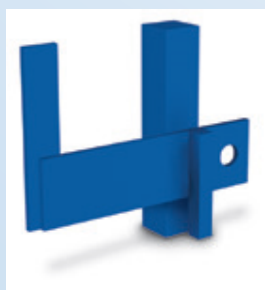
### Horizontal Portal Liner

This accessory helps keep lined the walls. The first two portal liners are installed at the ends of each wall and continue to install in each joint of panels. Subsequently aligners angles  $2\frac{1}{2}$ " x  $2\frac{1}{2}$ " x  $\frac{1}{4}$ " installed (EURO STAR not supply these angles). For tall walls to 2.40 should install a aligners lines on top of the panel and one on the bottom. For greater heights is recommended to install 3 lines of aligners.



### Intermediate Portal Liner

To reduce the distance between the mounting wall slab Union and / or cap aligners, an intermediate portal liner helping to maintain the alignment of the wall is installed.





## Threaded Portal Liner

System fast, safe and easy installation alignment, further align horizontally to the wall formwork allows alignment with these heads and culatones. This consists of a plate that is installed to the formwork with wedge pin and threaded rod holding the tubular double by good gesture(quick adjustment nut).



**Step1**

Secure with pin and wedge in the joints of the formwork and / or cap or cylinder heads.



**Step2**

Insert Alignment between the two tubular.



Its design allows the brackets are installed diagonally on the butts.



**Step3**

Ensure the tube aligner using in good gesture.



**Step4**

Install one on top and one on the bottom.

## Strut XS

Telescoping strut, lightweight and easy to install prop, working at heights from 1.0 to 1.65 m. Special to shore walkways cantilevered stairs, when you have sill and window apertures.



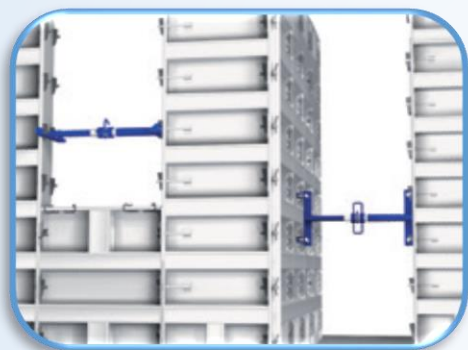
## ALIGNMENT ACCESSORIES

### Extensible Tensor Vain

The perfect size of the doorways and windows are made regarding the appropriate use of these tensors. Kick jacks design, allows you to set the distance of window and door openings.



When the doorway lintel is not, it is advisable to install 2 clamps, one on top and one on the bottom.



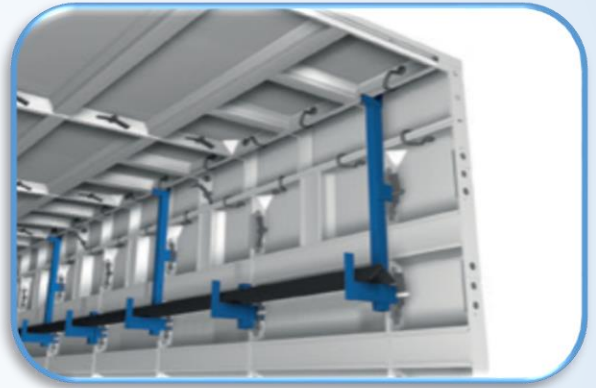
### Fixed Tensor

To reduce the distance between the mounting wall slab Union and / or cap aligners, an intermediate portal liner helping to maintain the alignment of the wall is installed.



## Internal Alignment for Union Wall Slab

Accessory aligning the formwork wall with wall slab Union, ensuring more accurate right angles between the wall and the slab.

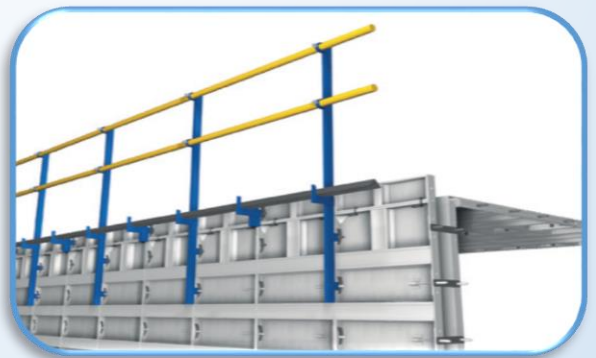


## Alignment for Extra Wall



This accessory has the following functions:

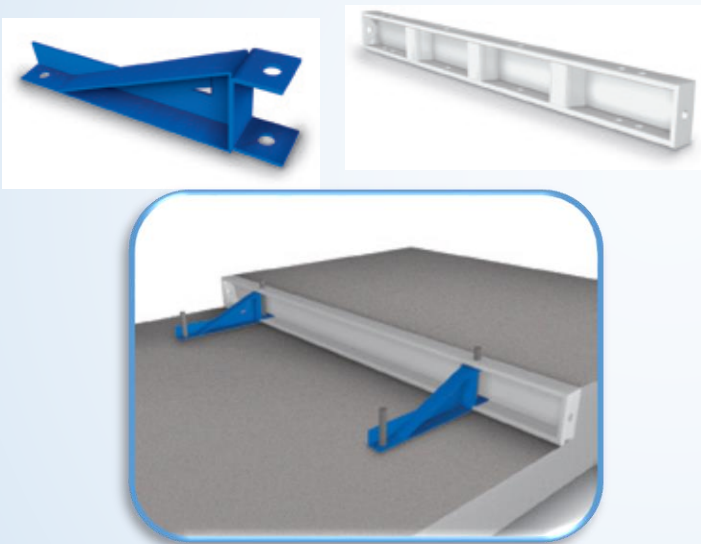
- Vertically align the wall panel with the complement.
- Horizontally align the wall panels.
- Anchors the high risk zone.



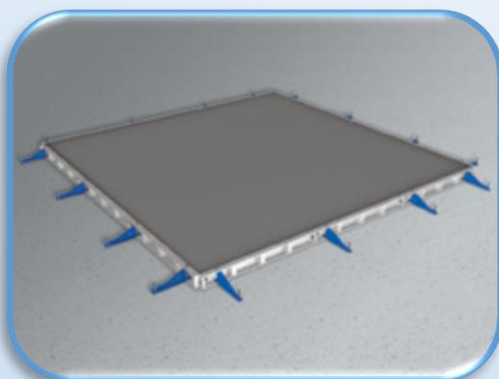
## ALIGNMENT ACCESSORIES

### Formworks for Slab of Foundation

Combination of formwork and support for the creation of the foundation slab thicknesses. They are made in different heights and lengths, according to the modulation and design required. His attachment to the land is made directly with interns rebar  $5/8$  "diameter.



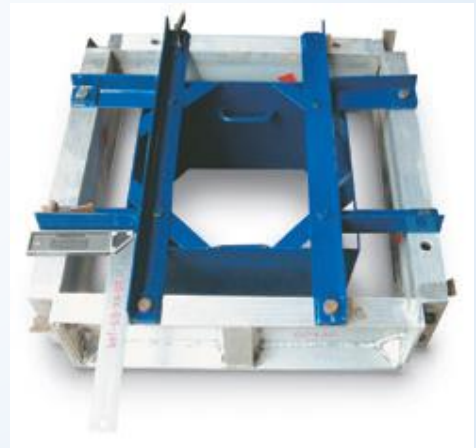
They can be manufactured in heights of 10 cm or more. Their union is effected with pin and wedge.



### Formworks for Domes

Architectural designs for domes superimposed slab are made with a combination of aluminum panels and angled corners, which are stiffened with a structure in angular steel profile.

Formwork for dome are designed as a whole with an inclination angle to facilitate stripping.



When the domes are inserted into the slab are sent negative stripping angle steel, which are screwed directly to the slab panels.



## Exterior Gateway

To assemble formwork second level, install exterior walkways around the perimeter of the house, as well as holding these angles where the wall panels of the facades, stairs and elevators gaps, are supported also meet the function of generating the outer platform movement for operator safety.

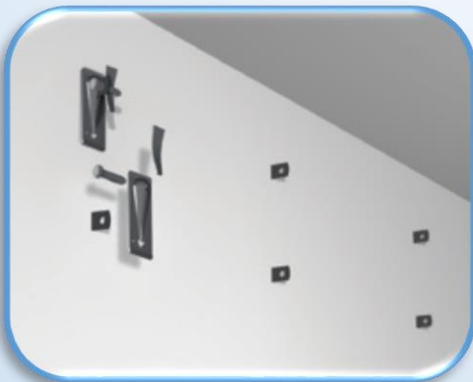
### Step 1

Each of the gateways were set two ties, with screws 5/8 "x 2". Each gateway is installed by inserting the ties in the slots of the concrete wall downstairs.



### Step 2

Once inserted the ties are secured to the inside of the wall with the angled wedge, wedge pin.

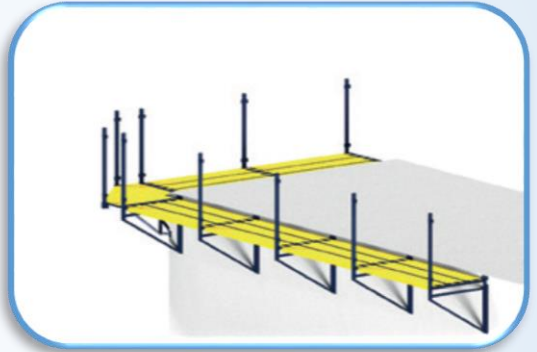


### Step 3

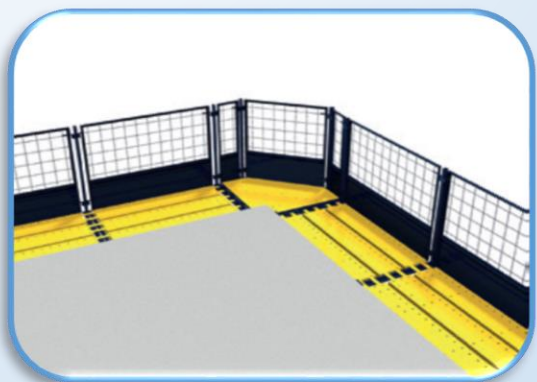
3

Once installed all around the home gateways according to the modulated planes, we proceed to install platforms and lifelines.

If platforms are used in wood is recommended that they have supported a maximum of 1.80 m in length and 2 "thick overlap ensuring that they rest on a gateway and not in the air.



Guardrails: EUROSTAR Builder offers a series of physical barriers (and resistance measures supported by international standards), which delimit the risk zone in armed height, ensuring safe operation of our molds.



# MOUNT SECOND LEVEL FORMWORK

## Step 4

Slotted angles are inserted into the cavity of each gateway it being properly fitted and lined up against the wall , a good carry potential surface support panels face the next floor.



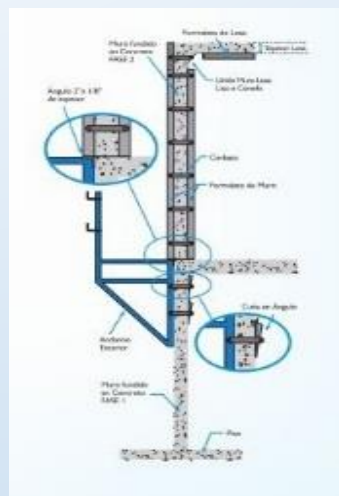
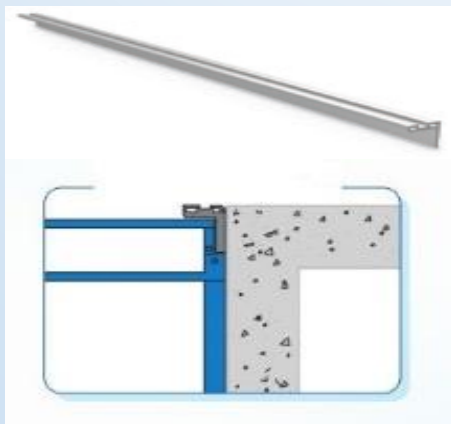
## Step 5

Installation of exterior facade panels or on the angle starts at one end of the house. By joining panels stapled Pin angle, are properly positioned against the wall and cast ensuring very good fitting floor to floor.



## Slotted Angle

The groove or central channel having set this angle allows fine facades panels with clip pins.



# TYPES OF CATWALK

There are several types of gateways to be installed according to the design of housing, in order to create a platform that allows circulation EUROSTAR mounting system in all areas of facade and elevator and escalator openings ensuring adequate safety and protection to ship-owners.

## Catwalk

1 Catwalk Corner



2 Catwalk Standard



3 Catwalk Dintel



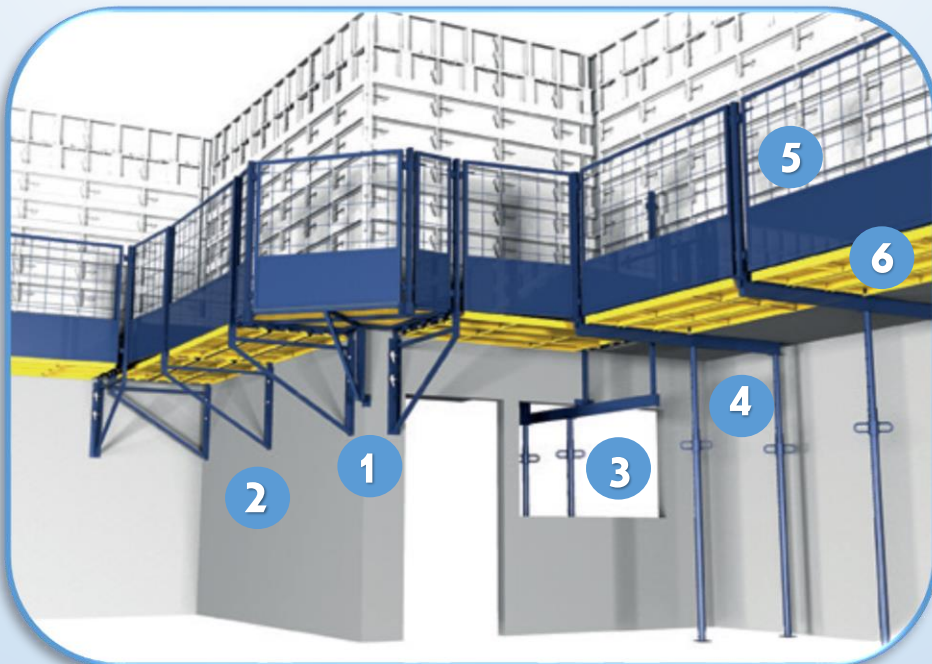
5 Save Body



4 Catwalk Overhang and/or Sill



6 Platform



## ALIGNMENT ACCESSORIES

### Catwalks

The 3 basic types of catwalks used in straight walls and internal corners outside the project, keeping a distance of 1.80 m between catwalks.



### Basic Catwalks

The 3 types of special catwalks: Catwalk Dintel, Catwalk and Runway Cantilever Cantilever Chest, when projects are used in their facades have windows with lintel down stand beams, balconies, different types of cantilevers, and so to continue the line of gateways, retaining the required distances between them to ensure secure platform for ship-owners.





**Step**  
1

Materialize or trace the ladder on the walls that surround it (if only one section without walls on the sides, clearly define and trace start and end of the first step). Ensure that the stroke made planes corresponds to the modulated EUROSTAR.

**Step**  
2

Fix the skeleton shown in the side walls planes following the stroke made. Use concrete steel nail  $\frac{3}{8}$ " to  $2$ " or  $1\frac{1}{2}$ " in length.

**Step**  
3

Attach the bed frame using pins and wedges, as the parts are assembled should underpin .

**Step**  
4

Attach stringers to set using pin and wedge.

**Step**  
5

Assemble the pieces of steps (risers in aluminum), fix them with pin and wedge.

**Step**  
6

Funding level of the ladder, once fully assembled. Use jacks or props for that.

Note: All steel and aluminum parts Forsa, must be installed with its stripping already applied).



## DILATAION BETWEEN FLOORS

**Step**  
1

Stripping external façade panels last emptying the lower level.



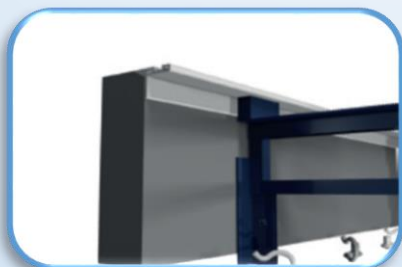
**Step**  
2

Check that the "average expansion" is properly induced in the upper end of the wall and on its surface clean.



**Step**  
3

Once armed the system gateways listed for this (see assembly drawings higher levels), mounted on these aluminum slotted angle, placing dilation of the piece in full contact with that induced in the concrete.



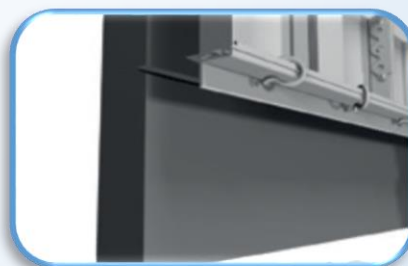
**Step**  
4

When having armed the outer walls of the upper level (as implemented sequence), fixed with staple pin bases panels slotted angles and ensure that this set as one piece.



**Step**  
5

Once the process starts stripping , façade panels must be removed with its attached full angle, then the angle is disassembled and moved to the new area of armed gateways (Ensure that this activity is done in a timely manner in order to free aluminum angles as soon as possible so that they are armed with the catwalks ).



Note: aluminum angles must be properly applied the release .



# INSTALLATION OF THERMICA ISOLATION IN WALLS

**The EUROSTAR system is compatible with insulating materials and systems.**

**Step 1**

Check the correct installation of steel mesh and according to the requirements structural and proceed with the installation of thermal insulation which must have the necessary rigidity to prevent warping, ensuring their ideal position. In some cases to achieve this stiffness leading to use of smaller diameter mesh as insulation support, or the use of any system providing additional rigidity to the same isolation



**Step 2**

If possible, avoid thermal bridges that may arise in places like doorways and windows, crosses and finishes of walls, places where insulation can lose its continuity interfering with the thermal behavior of the structure. The use of galvanized profiles insulation improves performance in these critical areas.



**Step 3**

Install mesh separators and thermal insulation sufficient to ensure perfect separation between meshes amount, the desired location and the desired insulation coatings. Finally we proceed with the installation of the formwork.



In addition to this system there are other alternatives for attaining the insulation, such as the implementation of a second wall block or subsequently cast in concrete, or the accession of a thermal coating to the inside of the front wall.



## OTHER SYSTEM

EUROSTAR has designed a system for building concrete slabs on walls in block, in order to facilitate and expediting the constructor emptying the slab, because in this type of construction requires more time to get ready slabs.



This system is based on a set of formwork Slab formwork supported on a transition or supplement, supported by struts around its perimeter. Inside slabs using the slab strut. It is very important that the block walls are plumb

Formwork assume transitional architectural design you want, and once full cast concrete facade is displayed.



## Coulmns, Beams And Slab

The **EUROSTAR** system allows the construction of columns, beams and slabs or combined wall formwork systems. All panels are manufactured with aluminum. Join accessories in high strength steel with heat treatment. The columns are formed with formwork and angular.



**EUROSTAR** transition panels manufactured in aluminum, which are all parts that make up the down stand beams. Subsequently, the slab system is installed, with all its underpinning.



And likewise, floor to floor is required.



## Types of Columns



With all kinds of formwork **EUROSTAR** sections in columns (straight, circular or elliptical) are achieved. These panels are designed with all the necessary reinforcement.



## TOOLS

### Bring out Ties

It is used for the extraction of the ties that remain embedded in the wall after removal of the formwork. Its good performance depends on the proper installation of material used as cover for the tie.



### Bring Out Panels

Used to facilitate stripping the wall formwork.



### Barret Leveller

It is used to lift and align a formwork with another and to aid in the "fit" between pre-install the pin holes.



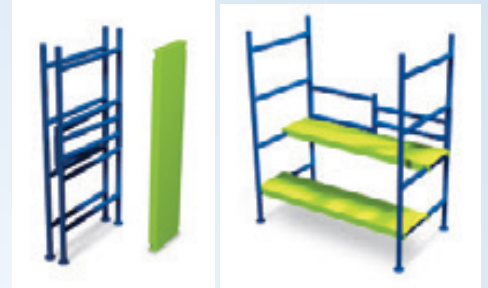
### Bring Out Wall Slab-EQL Union

Facilitates stripping the wall slab joints so it does not suffer so much and spoils.



## Folding Harrow

System for easy assembly and folding harrow with level 19.15 cm, 44.15 cm or 69.15 cm, which allows installing formwork safely and reliably



## Esclator

The access from the floor slab requires the use of ladders designed according to the required height, which is fastened by two hooks to the upper platen of the system.



## Tie Case

Polyethylene foam, which is used as cover for different types of ties. Its main function is to provide protection and ease of stripping neckties, ensuring reuse.

Product Presentation:

- Rolls of 250 linear meters.
- corrugated boxes with cut to fit the width of the wall covers.



## Wall Separator & Slab

The walls and slab spacers used to space the welded mesh of the formwork, so that the concrete remains mesh coating uniformly to both sides. The stopper U serve to maintain the alignment during assembly formwork.



## Chip Stell

38

Esponjilla of intertwined steel wires used for daily cleaning of the panels, removing waste concrete embedded the previous day.



## EURO STAR PROJECTS

**EURO STAR** designs and manufactures all kinds of details decorative and architectural according to specifications of the planes.



With the **EURO STAR** system you can build curved, straight or different pediments configurations. Negative steel, circular or straight, are fixed to the formwork of wall façade and installation details for later prefabricated as gargoyles. We are able to manufacture circular windows or straight, with ridges of different dimensions, with or without rafters. The tops of the rafters can be make straight or curved, with the need of our customers.







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Mexico



El Salvador



# HOTEL



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## DEPOSITORY



Dominican Rep

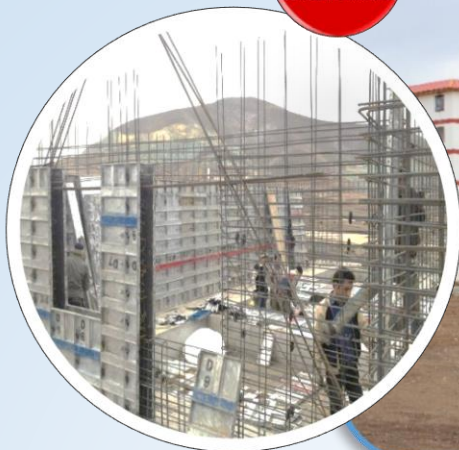


## PRISON





Iran-Ardebil





Iran- Tehran





## THE CONSTRUCTIVE EXPERIENCE

Our bankroll is supported by many years experience in the construction sector, and our advice and customer service. Each project includes installation advice system and is continually supported by our engineers team to successful completion of project.



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