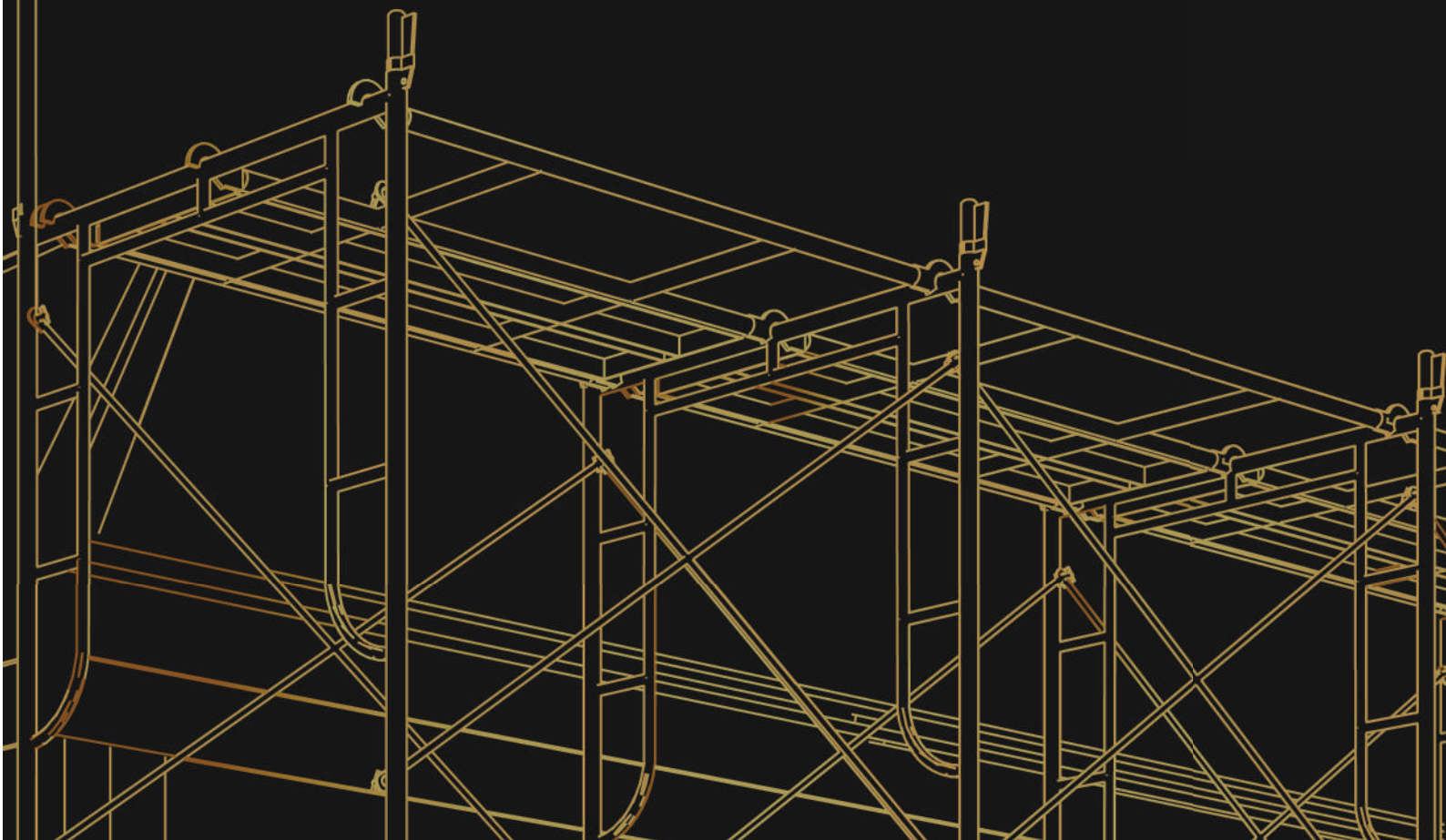
المصرية

Al Masrya Steel Industries



About Us

General Manager's Speech

Mission , Vision , Goal

Services

Our Systems

ACCESSORIES

ABOUT US

ABOUT US

Al Masrya Steel Industries Factory was established in 2005 in Cairo, Egypt as a branch of the new Saudi Steel Industries Factory in the United Arab Emirates, which was established in 2003 in the Emirate of Ras Al Khaimah, United Arab Emirates, as a factory for scaffolding and concrete forms.

The idea was launched from the passion of Engineer Sami Al Attar, a civil engineer with 20 years of experience in the Gulf construction market, to produce high-quality building products that meet international standards and at reasonable prices, although this meant reducing profits to a minimum to compete with the local market. This was the reason why the factory suffered in its early years, but when customers started looking for high-quality products, the factory was able to create a brand, and a reputation in high-quality steel industries. As a result, the factory obtained the (ISO 9001:2008) certificate.

"Quality, Guarantee ... Safety" ... is the motto of the factory. That is why each product goes through multiple stages of quality control and testing. Starting from the raw materials we receive from certified iron factories and suppliers to the final product. We have the ability to design products according to the customer's building request and study huge structures by a team of specialized engineers. Today, Al Masrya Steel Industries Factory produces more than 200 products for scaffolding, formwork and other steel accessories and we have expanded our scope to the Gulf and African markets. We realize that quality and safety engineering are the keys to establishing strong relationships with our customers and with this in mind we aim to reach the global market and become leaders in the iron industries.

General Manager's

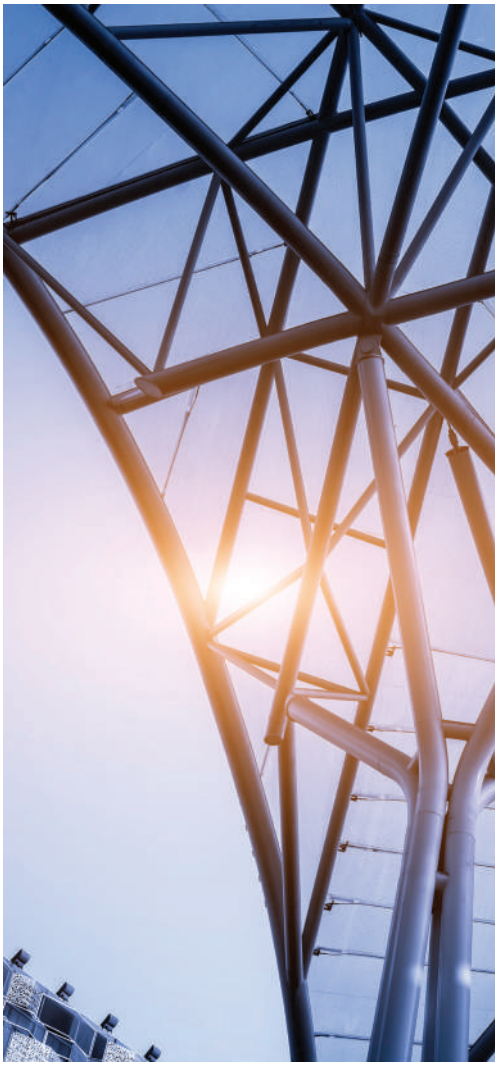
Speech

In 2005, Al Masrya Steel Industries Factory managed to secure its place in the country's development and modernization process by introducing the scaffolding, formwork and concrete manufacturing system.

Our main activity is industrial scaffolding services, construction formwork services (installation and dismantling), and the sale of scaffolding and formwork materials.

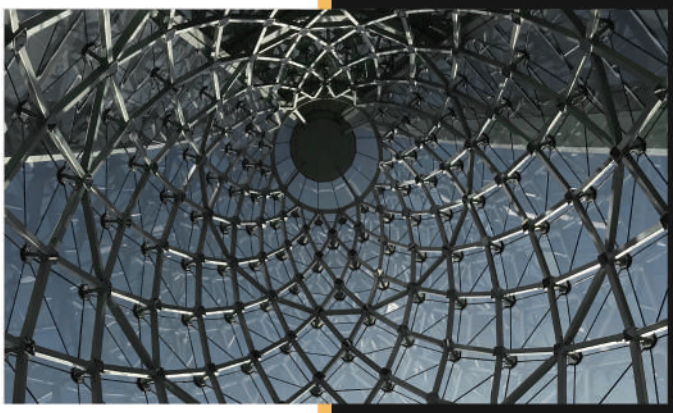
In line with this; we manufacture scaffolding materials such as (scaffolding frames, cleats, steel props, universal cranes, low heads, packing beams, floor beams, wall formwork, column formwork, scaffolding and formwork accessories, etc.), in our factory.

Despite the success achieved in the field of selling scaffolding and formwork materials, we faced many technical difficulties and problems. This was especially evident regarding the facades of high-rise buildings, and the assembly (instal lation) and dismantling of industrial scaffolding. To overcome these difficulties; We have established design department, gained good experience in scaffolding and formwork field, well trained scaffolding supervisors, scaffolding inspectors, safety inspectors, well trained scaffolding crew with full safety equipments. Manufacturing units are located in Jeddah, Dammam, Riyadh and Ajman (UAE), head office is located in Dammam.



Our Mission

To provide a high level of services and products according to international quality standards.



OurVision

To establish the position of " Al Masrya Steel Industries Company" as one of the most prominent and successful companies for selling, and purchasing steel scaffolding and casting metal molds in the Middle East and reaching the global market.

Our Goal

To provide a suitable environment to attract customers and achieve customer satisfaction to provide distinguished services with efficiency, effectiveness and transparency, by applying the concepts of total quality and activating the spirit of partnership and translating it into a tangible reality.

OUR SERVICES

OUR SERVICES

After sales

After-sales service is an integral part of the Al Masrya Company's policy. Our experienced technical staff provides on-site support to our customers around the world.

Al Masrya technical staff supervises the assembly of the formwork and the initial pouring of concrete in all projects. This ensures the correct and safe implementation of our systems. On-site training is also provided to our customers' staff.

Engineering Services

Our comprehensive technical support services provide expert advice and design assistance to you and your projects when choosing products from our rental or sales departments. From product selection advice to layout designs and onsite staff training, our technical support team aims to ensure that you get the maximum benefits from using Conform International products and services.

OUR SERVICES

Formwork Planning

1 We make it our primary goal to provide the ideal and intelligent concrete pouring solutions for every construction project. In order to achieve this goal, we work hard with our customers to provide them with detailed concrete formwork planning from start to finish. This enables the efficient and economical use of our products.

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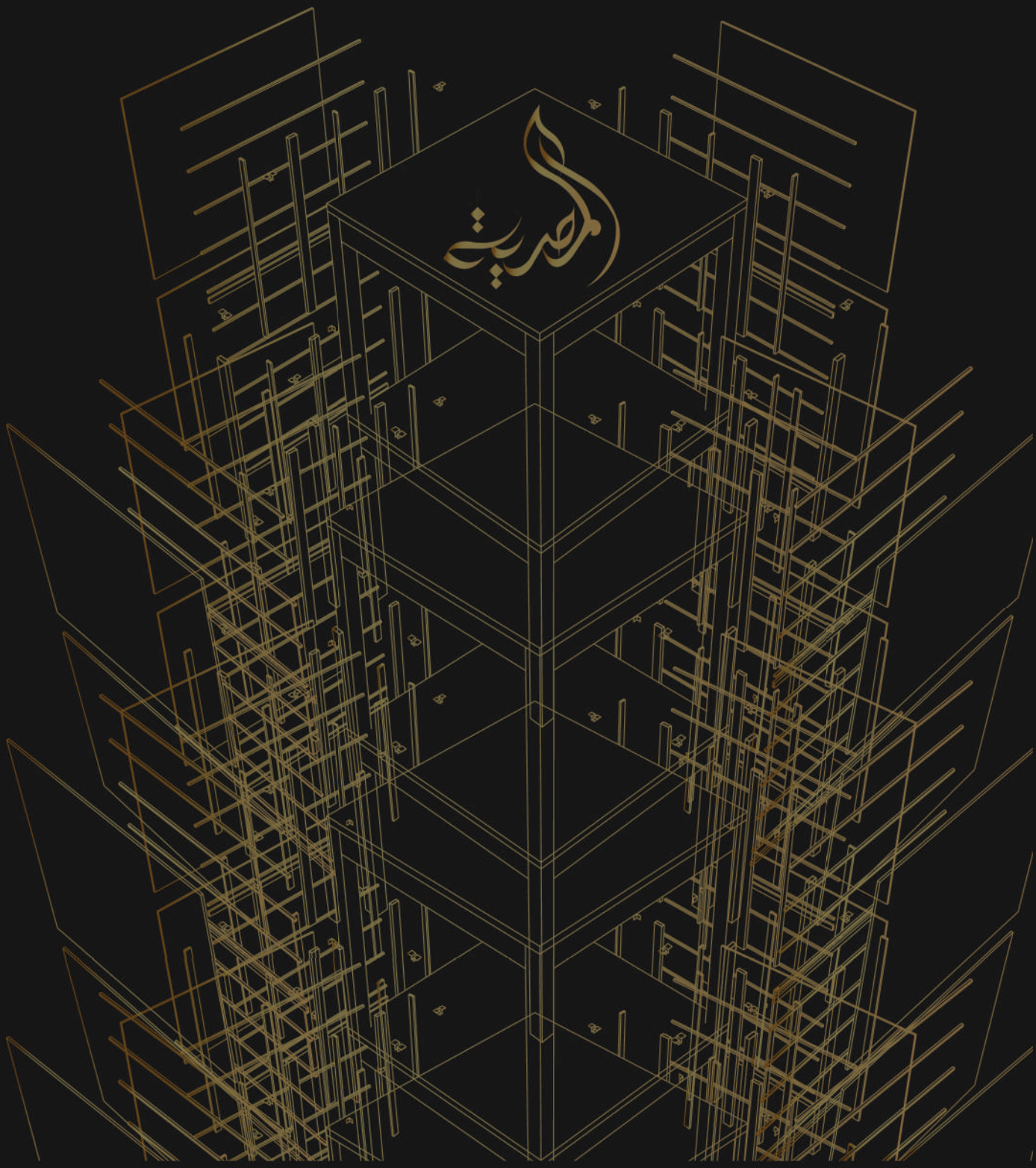
OUR SYSTEMS



CUPLOCK SYSTEM

The Cuplock system is the world's most widely used system. It is a multi-functional falsework and scaffolding system. It is suitable for Slab shoring and supporting all different types of constructions such as concrete slabs and beams.

FALSEWORK

It uses different types of primary and secondary beams as needed, which allows the possibility of existing materials in the sets to be used. It is char- acterised by the ease of erection and dismantling, as it requires the minimum number of components, where less labor is required. And that lead to the reduction of supplying costs rather than the traditional methods of shoring.

SUPPORT WORK

In El Shater we are careful to par- ticipate in projects that is aimed for restoration and maintenance of the historical buildings in Egypt. As we believe in the value of egyptian civilization.
The following picture introduce you to one of ancient architectures in Alexandria.

ELEVATOR

Elevator Scaffolding: Cuplock system is used to finish the mechanical and electrical work of the elevator, as it provides a tive in narrow spaces.

SAFETY FIRST

We are careful to design the cuplock system to meet the safety procedures and maintain workers and constructions safety from physical and material damages.

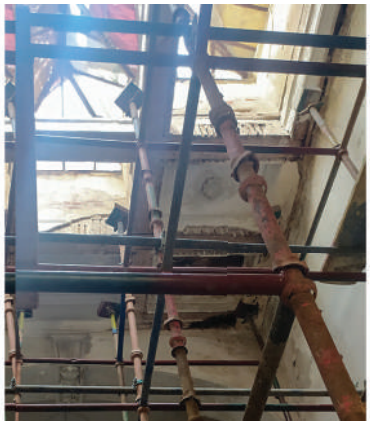
SCAFFOLDING

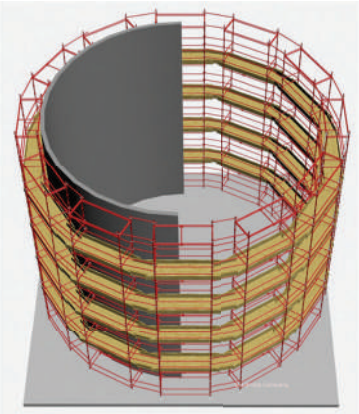
Scaffolding for Traditional Structure

It is defined as a temporary working platform used for support- ing labor or materials or both.

Scaffolding for Circular Structure

One of cuplock system purposes is for maintenance of circular struc- ture such as tanks and silos





CUPLOCK COMPONENTS

One of the unique features of cuplock system is its components. The ease of erection and dismantling makes it the fastest and safest system available, which leads to be cost and time effective.

COMPONENTS

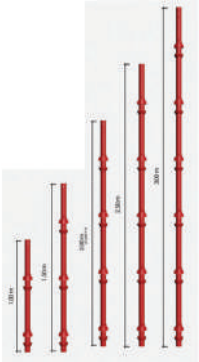
- STANDARDS
- L E D G E R S
- BASE JACK
- U-HEAD

- BASE PLATE
- SPIGOT
- TRANSOMS
- BEAM BRACKET

- DOUBLE CANTILEVERS
- CANTILEVER FRAME
- STEEL PLANKS

SYSTEM COMPONENTS

CUPLOCK STANDARD



Cuplock Standards are manufactured by 48.30mm outer diameter tube with 3.00mm and 3.20mm thickness. It is available in different basic sizes with different lengths.

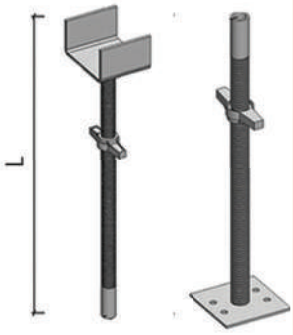
SIZES VARIETY OF SIZES FROM 1.00m TO 3.00m

CUPLOCK LEDGER

Cuplock Ledgers are manufactured by 48.30mm outer diameter tube with 2.50mm and 2.80mm thickness. It is available in differ- ent basic sizes with different lengths.

SIZES VARIETY OF SIZES FROM 0.60m TO 2.50m

BASE JACK AND U-HEAD

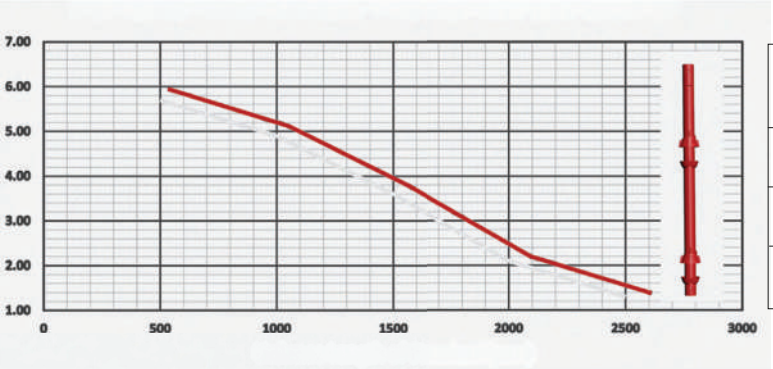


The Adjustable Base Jacks and U-Head are manufactured from steel plates, a screw Jack and a steel handle, with length from 60.00cm to 90.00cm and diameter of 34.00mm for solid and 38.00mm for hollow. The U-Head provides support for primary beams such traditional timber, H20 timber, aluminum beam, and steel waler.

TECHNICAL DATA

STANDARD AND LEADGER SAFE WORKING LOAD

For tubes 48.30 mm dia. Thk 3.00 mm and steel 37



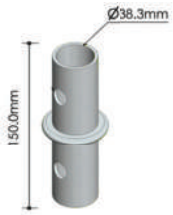
	Product	Nominal length	W (KN/ m)	P (KN)
1	Cuplock ledger, 1250 mm	1250	4.68	15.00
2	Cuplock ledger, 1800 mm	1800	4.00	9.00
3	Cuplock ledger, 2500 mm	2500	2.40	6.00

BASE PLATE

Base plate is used as simple support for cuplock structure in case of no need to adjust- ing level. Its width (15.00x15.00)cm with 6.00mm thickness.

SPIGOT

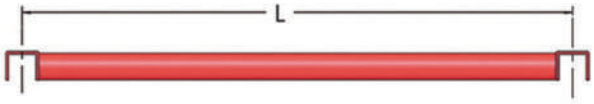
Spigot are manufactured by 38.00mm diameter tube with 2.50mm and 3.00mm thickness. The spigot length is 15.00cm. It's used to connect the cuplock standard to another coaxially.



TRANSOM

Cuplock transoms are manufactured by 48.30mm outer diameter tube with 2.50mm and 3.00mm thickness. It provides intermediate support to the scaffolding board. It is available in different basic sizes with different lengths.

SIZES VARIETY OF SIZES FROM 0.60m TO 2.50m

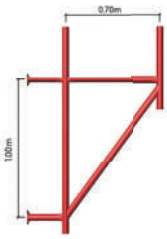


BEAM BRACKET AND CANTILEVER

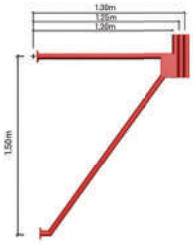
They are manufactured by 48.30mm outer diameter tube with 3.00mm thickness. It provides vertical support to transfer the applied load to the Cuplock Standard.

Beam Bracket: is used in case of internal beams. Double Cantilever: is used in case of edge beams of slabs Cantilever Frame: is used in case of decking beams or formwork at edge of slabs.

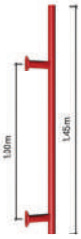
BEAM BRACKET



DOUBLE CANTILEVER

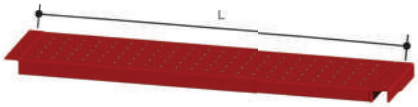


CANTILEVER FRAME



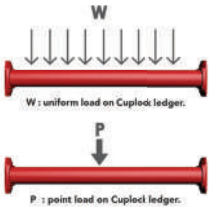
STEEL PLANK

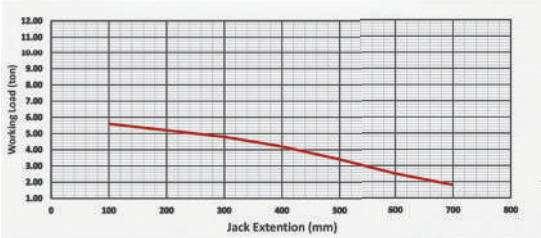
It is a steel platform for scaffolding. It's available in different lengths (with two widths of 25.00cm and 30.00cm) suitable for the Cuplock Ledgers.



JACKS SAFE WORKING LOAD

Maximum permissible loading on Adjustable Hollow Jack





H-FRAME SYSTEM

H-frame system can be used as facades for cladding, external plaster, maintenance work, paints and shoring system for slabs also. This system is completely comprehensive and has safety features on request.

SYSTEM APPLICATION

- SCAFFOLDING
- FALSEWORK
- FIXED TOWER
- MOBILE TOWER

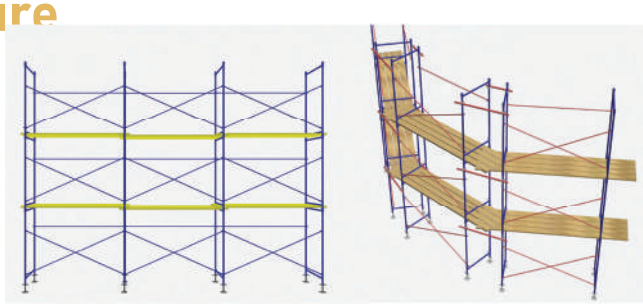
SCAFFOLDING

Traditional Structure

H-Frame system for facades scaffolding is used to give the required heights with high rigidity. It is used to stand the materials and workers with high safety. It can be applied in paints, plastering, cleaning and maintenance works.

Scaffolding for Circular Structure

One of H-frame system purposes is for maintenance of circular structure such as tanks and silos



OUR SERVICES ALL OVER EGYPT

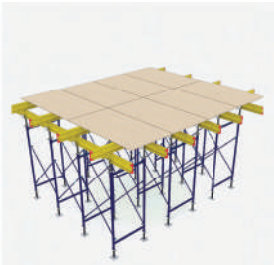
Our purpose is to support building and developing Egypt. Where, the only way to reach that goal is through consistency and hard working. In El Shater we are consistent to offer you and your project our services all over governments of Egypt with no exceptions.

FIXED TOWER AND MOBILE TOWER

H-Frame system for towers is used to provide the required mobility to reach the difficult places. It is used to stand the materials and workers with high safety. It can be applied in paints, plaster- ing, cleaning and maintenance works.

FALSEWORK

H-Frame system for shoring slabs is used for shoring with light weights where the system is completely safe, easy and fast to assemble. The system contains a few components and does not require skilled workers.



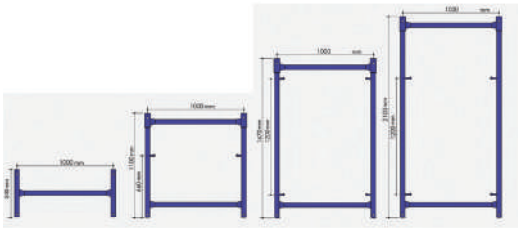
H-FRAME COMPONENTS

El Shater H-Frame System is specially designed for quick and easy assembly with the minimum degree of supervision. The basic system uses a small number of compo- nents that are simply and easily installed together to give a solid structure.

COMPONENTS

- H-FRAMES
- CROSS BRACE
- BRACE
- H-FRAME LADDER
- OUTRIGGER BRACKET
- STEEL PLANKS
- BASE JACK
- U-HEAD

SYSTEM COMPONENTS



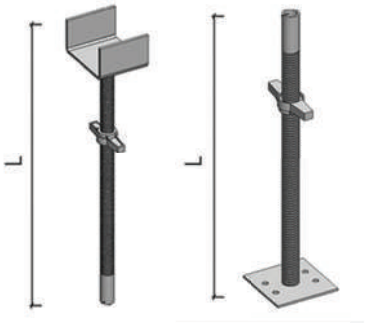
H-FRAME

H-Frame system is manufactured by 48.30mm outer diameter tube with 2.50mm and 3.00mm thick- ness. The steel is improved with the use of a high-quality connecting pin of 16.00mm diameter and 65.00mm in length. The system provide safety by adding a 16.0mm bolt by connecting two frames together. The system improves the alignment of the frame using a 60.30mm steel sleeve. And it is available in different basic sizes with diferent lengths.

SIZES 1.00m x 0.50m 1.00m x 1.00m 1.00m x 1.50m 1.00m x 2.00m

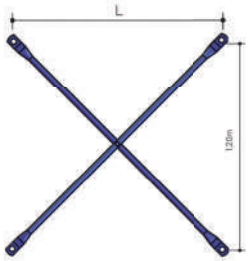
BASE JACK AND U-HEAD

The adjustable base jacks and U-head are man- ufactured from steel plates, a screw Jack and a steel handle, with length from 60.00cm to 90.00cm and diameter of 34.00mm for solid and 38.00mm for hollow. The U-head provides support for primary beams such traditional timber, H20 timber, and steel waler.



CROSS BRACE AND BRACE

Cross brace and brace are structure links of the frame systems. They are manufactured of a steel tube with a diameter of 26.44mm and a thickness of 2.00mm. It has two flat ends with two 18.00mm holes for attaching the frames to each other. The two braces are fixed together with steel pin. And it is available in diferent basic sizes with different lengths.

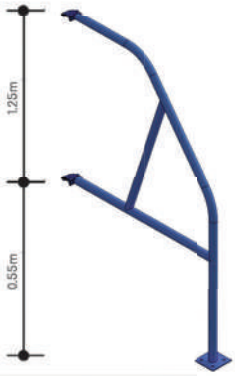


H-FRAME LADDER

H-Frame ladder is manufactured of 0.34m steel tubes with length of 2.00m and thick- ness of 2.00mm. It's used to facilitate the climbing up or down of workers.

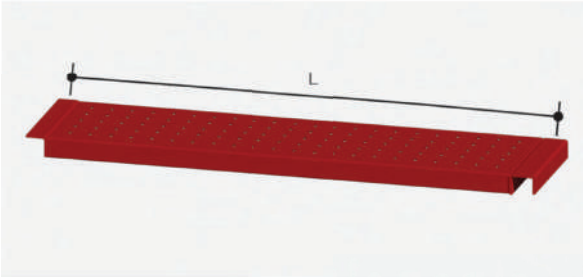
OUTRIGGER BRACKET

Outrigger bracket is manufactured by 48.30mm steel tubes with thickness of 3.00mm. It's used as an h-frame support.



STEEL PLANK

It is a steel platform for scaffolding. It's available in diferent lengths (with two widths of 25.00cm and 30.00cm) suitable for the cross brace.



SHORBRACE SYSTEM

Shorbrace system is one of the most economical systems for heavy civil engi- neering projects. It can be obtained with minimal component parts, to display towers with high loading capacity to build heavy slabs construction at all heights. In addition, the Telescopic Shorbrace Frame is combined with full solid jacks at the top and the bottom of the towers

SYSTEM APPLICATION

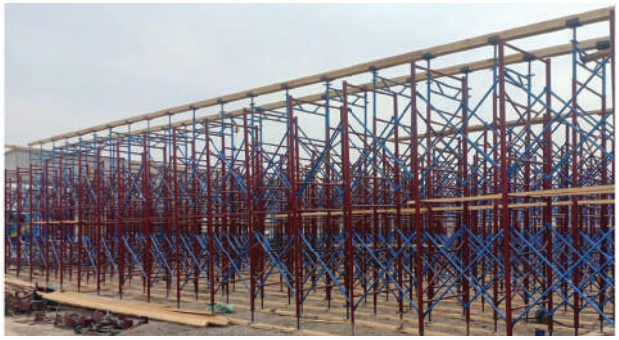
- FALSEWORK
- HEAVY DUTY PLATFORM
- BRIDGE

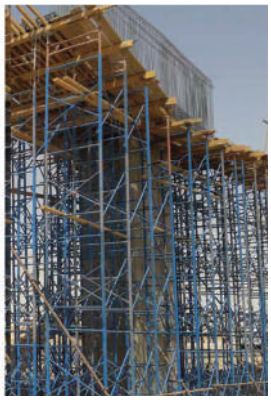
FALSEWORK

It is a new way of shoring and supporting concrete slabs in a record time and less labor required rather than the traditional method of shoring and supporting. It uses different types of primary and secondary beams as needed, which allows the possibility of existing materials in the sets to be used.

FALSEWORK TIPS

While erection make sure that the scaffold is established on a ground, that can bear its weight. And the land soil is suitable for erection. making sure that the floor is paved and that there are wooden planks to distribute the loads on the floor.





HEAVY DUTY PLATFORM

The most used system for heavy duty slabs projects as well as heavy civil engi- neering projects. The system characterized by and designed for the ease of assembly with the minimum degree of super- vision. The basic system uses a small number of components that are simply and easily installed together.

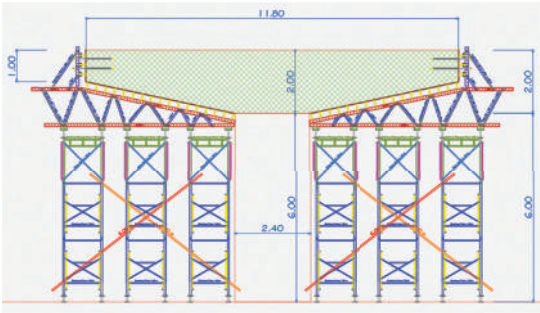
BRIDGE

DECK BRIDGE

The bridge deck shape is con- sidered one of the best solu- tions for all box girder bridge with the use of shorbrace system for shoring with load capacity. This shape can be used with traditional timber beam.

CROSS BRIDGE

Bridge cross shape application implemented by the use of H20, steel waler and traditional beam. As the bridge cross H20 & Waler consist of panels connected together as per bridge cross shape. The bridge table can be moved as one unit horizontally by a wheel Jack unit or vertically by a Crane.



SHORBRACE COMPONENTS

This system is characterized by using one basic size of the Shorbrace frame, (180 centime- ters in length and 120 centimeters in width), connected to one size of the Cross Braces for an economical spacing of the frames.

COMPONENTS

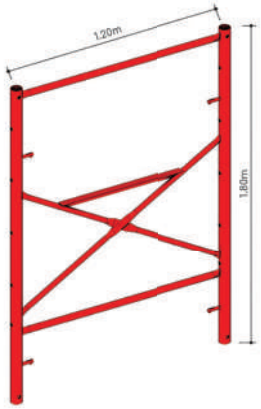
- SHORBRACE FRAME
- TELESCOPIC FRAME
- CROSS BRACE
- BASE JACK
- U-HEAD

- SHORBRACE SPIGOT AND COUPLER
- STEEL WALER No.10
- TURN BUCKLE
- STEEL WALER SPLICE
- CURVED ANGLE SPLICE

SYSTEM COMPONENTS

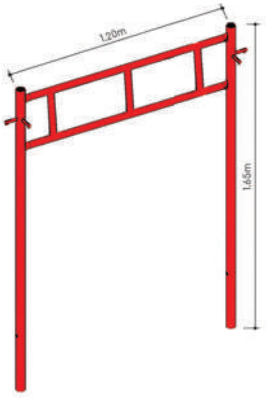
SHORBRACE FRAME

The shorbrace frame is manufactured of steel tube with an outer diameter of 60.30mm and a thickness of 4.00mm and 3.50mm. It shall be fixed with a steel tube with an outer diameter of 32.00mm and a thickness of 2.00mm.



TELESCOPIC FRAME

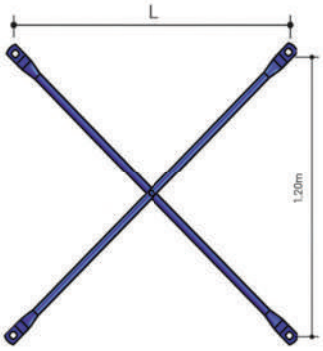
The shorbrace telescope frame is man- ufactured of a steel tube with an outer diameter of 48.30mm and a thickness of 4.00mm, giving various heights of the shorbrace system.



CROSS BRACE

Cross brace is used to connect frame systems. It is manu- factured of a steel tube with a diameter of 26.44mm and a thickness of 2.00mm. It has two flat ends with two 18.00mm holes for attaching the frames to each other. The two braces are fixed together with steel pin. And it is available in diferent basic sizes with different lengths.

SIZES VARIETY OF SIZES FROM 0.90m TO 1.80m

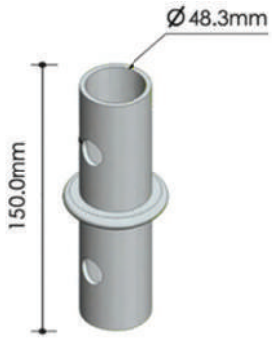


BASE JACK AND U-HEAD

The Adjustable Base Jacks and U-Head are manufactured from steel plates, a screw Jack and a steel handle, with length from 60.00cm to 90.00cm and diameter of 34.00mm for solid and 38.00mm for hollow. The U-Head provides support for primary beams such traditional timber, H20 timber, and steel waler.

SHORBRACE SPIGOT

The connection are manufac- tured by 48.30mm diameter tube with 2.50mm and 3.00mm thickness. The con- nection length is 15.00cm. It is a half coupler with two pins perpendicular to each other



SHORBRACE COUPLER

It is a half coupler with two pins perpendicular to each other

10.STEEL WALER No

Steel waler is manufactured of two (UPN.10) back to back. And it provides, supports, and fastens the places on the panels and align- ment for the panels. Steel Waler is connected to H20 beam and aluminium beam with special clamps. Steel waler is available in dif- ferent lengths to match design requirements.

TURN BUCKLE

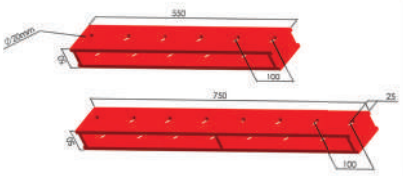
They are used to align and support the Steel Waler. They are considered to be resistant to stress and pressure in picking up and divert- ing wind load. They are available in different ranges to suit the required length, diameter and the applied load. Turn the tube clockwise or counter clockwise to open or close the spindel at the specific needed length.

WALER CONNECTION

STEEL WALER SPLICE

Steel waler splice is used to attach the panel in place in steel waler and produces aligned compression tension strength for the resisting panels. The Steel Waler splices are connected using rivet pin faster and easier.

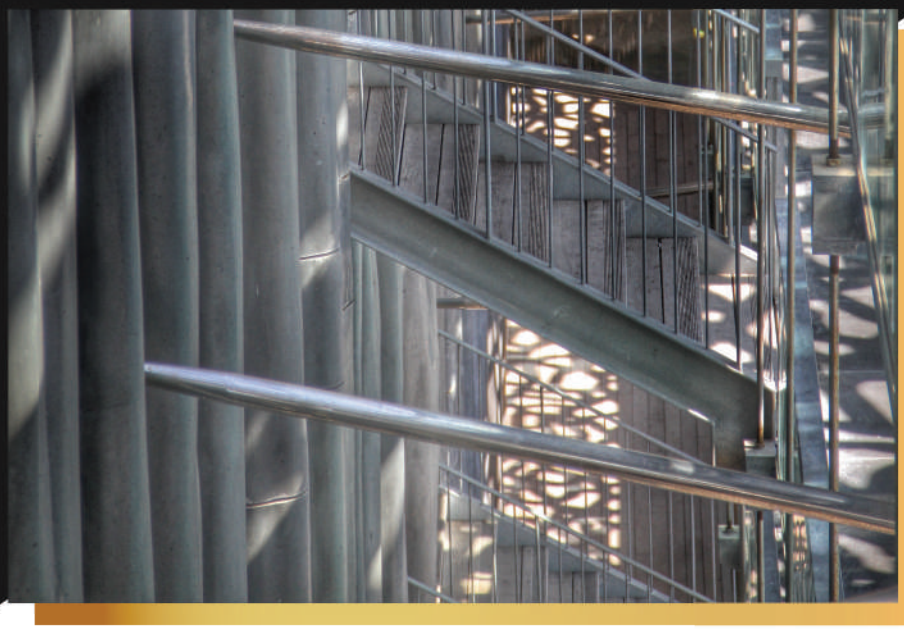
SIZES 55.00cm 75.00cm



CURVED ANGLE SPLICE

Curved angle splice is used to attach panels in curved angles and produces compression tension strength for the resisting panels. The steel waler splices are connected using rivet pin faster and easier.

STEEL WALER SYSTEM



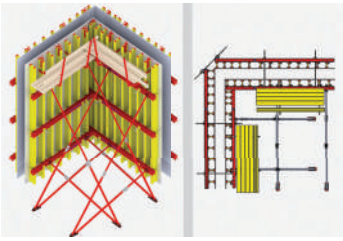
Steel waler system is one of the most flexible systems. The system can handle more than 50KN/m² which makes it suitable for various applications and typi- cally used for all types of walls and columns which have been shown to have high rigidity as well as stability. The system is easy and fast to assemble by connecting the H20 timber beams or traditional beams to the steel waler by the H20 connection and other connection ways.

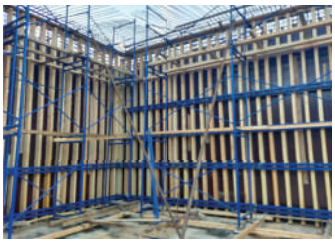
SYSTEM APPLICATION

- WALL
- COLUMN
- TANK

STEEL WALER FOR WALL AND CORNER

This system has been designed to complete the process of pouring the walls and corner walls with different heights according to the project needs. The process is implemented by the use of H20 or tra- ditional beams.



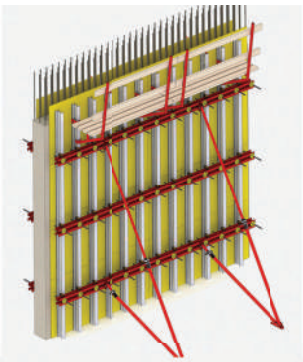


COLUMN

The system has been designed to complete the process of pouring the columns with different heights according to the project needs. The process is implemented by the use of H20 or traditional beams.

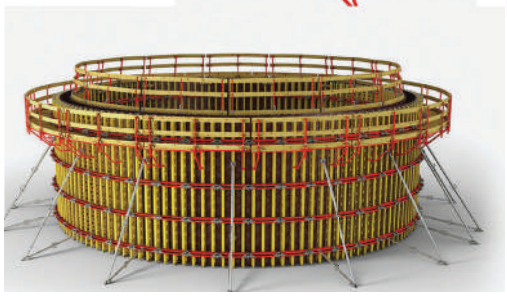
TANK

This system has been designed to complete the process of pouring the structure of curved walls with different heights according to the project needs.
Note: The minimum diameter is preferred to be 12m, as the steel waler is not designed to support the small curvature shape.



SYSTEM HANDLING

The system can be handled by cranes that increase the efficiency of the system, especially in large construction sites



EL SHATER STEEL WALER COMPONENTS

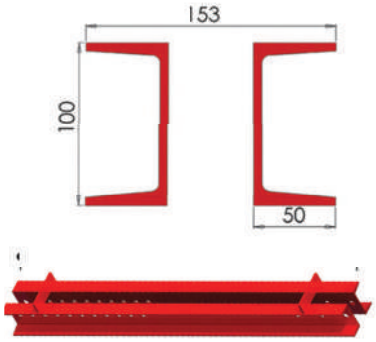
The main advantage of the Steel Waler System is that it provides high traceability and easy reas- sembly when structure ground plans change frequently. In addition, this system has proven to be one of the most economical alternatives compared to the Steel Frame Formwork system, as it comes to complex designs and many non-standard applications of the same height.

COMPONENTS

- STEEL WALER No.10
- STEEL WALER SPLICE
- UNIVERSAL ANGLE TIE
- COLUMN STEEL WALER
- CONNECTION
- HEAD PLATE

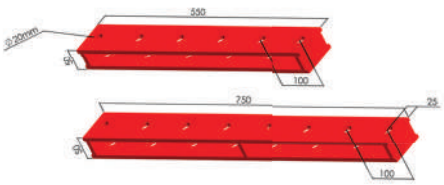
- TURN BUCKLE
- LIFTING EYE FOR H20
- H20 EXTENSION SPLICE
- ACCESS BRACKET
- HI-SCAFF CLIMBING & ACCESS
- BRACKET DOUBLE BASE PLATE

10.STEEL WALER No



Wall and column steel waler is manufac- tured of two (UPN.10) back to back. And it provides, supports, and fastens the places on the panels and alignment for the panels. Wall and column steel waler is connected to H20 beam or traditional beam with special clamps. Steel waler is available in different lengths to match design requirements.

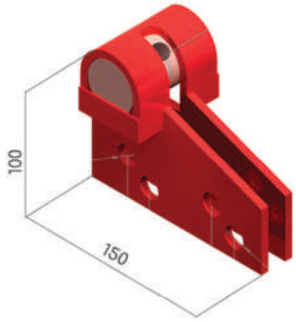
STEEL WALER SPLICE



Steel waler splice is used to attach the panels together and produces aligned compression tension strength for the resisting panels. The Steel Waler splices are connected using rivet pin faster and easier.

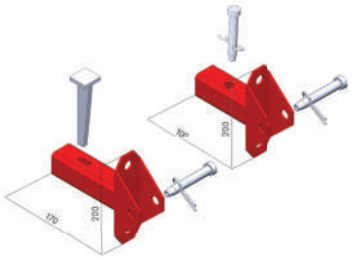
SIZES 55.00cm 75.00cm

UNIVERSAL ANGLE TIE



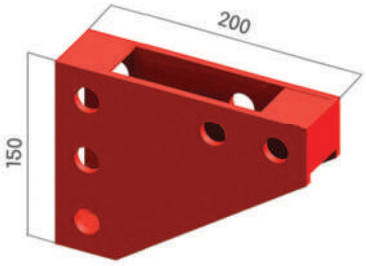
They are used to hold the corner panels together by the tie rod to fix the outside corners at the required angle. The angle range between tie rod and steel waler from °23 to °64.

HEAD PLATE



They are used to fix the push pull props with the steel waler easily and quickly.

COLUMN WALER CONNECTION



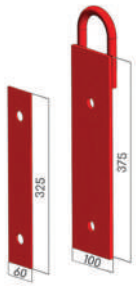
It is used to connect two correct °90 Column Steel Walers and the Rivet Pin to prevent the movement. A Column Steel Waler and another Column Steel Waler Connection assembly.

TURN BUCKLE

They are used to align and support the steel waler. They are considered to be resistant to stress and pressure in picking up and divert- ing wind load. They are available in different ranges to suit the required length, diameter and the applied load. Turn the tube clockwise or counter clockwise to open or close the spindle at the specific needed length.

LIFTING EYE FOR H20

It is used for preparing, transferring, hitting and erecting the Formwork panels. It is fixed on webs of H20 Beams.

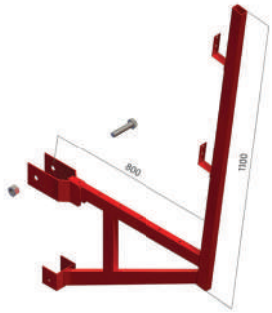


EXTENSION SPLICE H20

It is used to connect H20 beams together and provides fastening, compressive resistance, hardness and balanced strength, suitable for the beams and panels. The holes at the end of the beam can be attached to the joint.

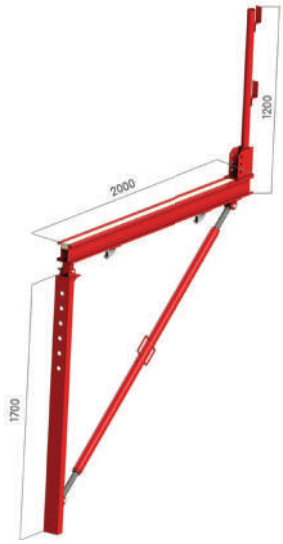
ACCESS BRACKET

It is used to assist construction of pouring and services platforms which help workers in erection and pouring. It is recommended to maintain the distance between two Brackets no more than 2.00m. The maximum permissible live load is 1.50 KN/m².



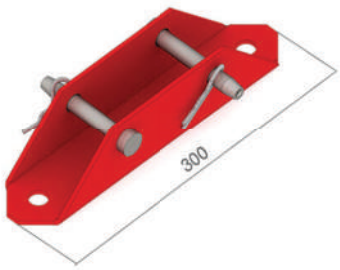
HI-SCAFF CLIMBING & ACCESS BRACKET

The climbing bracket is used to carry and support the handing Formwork. It easy to use and does not need many accessories. It can be used in pouring the concrete of buildings that rises of the ground, bearing the Formwork systems. It is a flexible tool that can be used in carrying the Formwork system for sloping walls at differ- ent angles.



DOUBLE BASE PLATE

They are used to fix the push pull props with the steel waler to avoid the turnover of the Formwork Panels



STEEL FABRICATION SYSTEM

Steel fabrication is one of the economical systems for special applications. This system is easy to be assembled, adjusted and dismantled. It is manufactured with high industrial techniques.

SYSTEM APPLICATION

- RECTANGLE COLUMN
- CIRCULAR COLUMN
- SPECIAL COLUMN
- GIRDER
- ROAD BARRIERS
- CROWN COLUMN

RECTANGULAR COLUMN

Circular and Rectangular Column The column formwork is available in circular, square and rectangular shapes which enables quick and economical pouring.

STEEL FABRICATION NOTE

The formwork big steel panel is manufactured with high quality to avoid the need to connection parts. And to facilitate the assembly process. The insulation material reduces the adhesion of concrete and hence costs. The panel connection bolts not only confirm durability but also ensure that the connected parts will not disassemble after long use. We can manufacture any dimensions or lengths.

SPECIAL COLUMN

It provides first class concrete surfaces allowing high permissible pressure for fresh concrete.

GIRDER

CROWN COLUMN

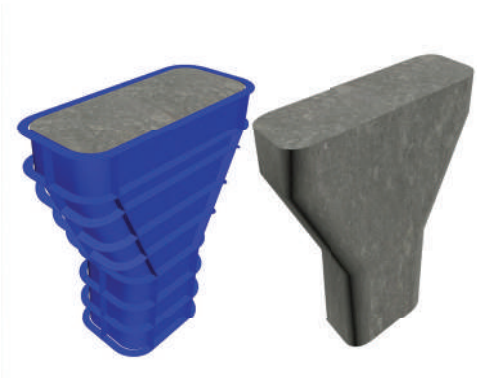


TABLE FORM COMPONENTS

The Table Head is an easy and fast in erection, stripping and material transportation. Props are not dismantled when fixing or moving the tables. It is easy to adjust its height and leveling because of the few props to adjust. Table Head is safe and easy system at the same time.

COMPONENTS

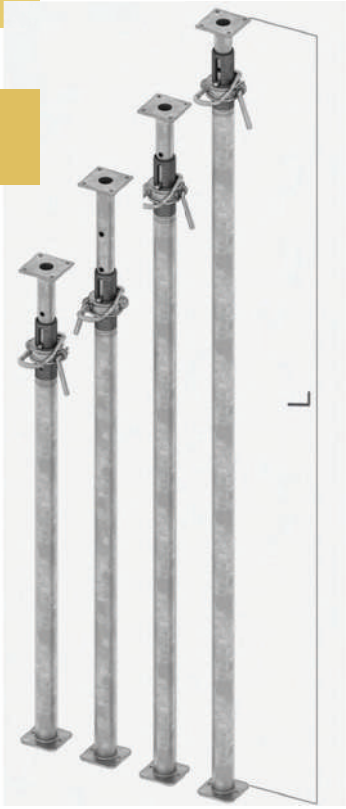
- PROP
- TRIPOD
- TABLE U-HEAD
- FRAME HEAD
- CONNECTION UNIT
- FORK HEAD
- HANDRAIL POST
- RAFTER PLAT
- C-LEFTING ELEMENT

SYSTEM COMPONENTS

PROP

The props are used in falsework and support. They are easy and fast to erect, where it is consist of inner-tube, outer-tube, nut, handle and prop pin. And available in different sizes.

SIZES Variety of Sizes

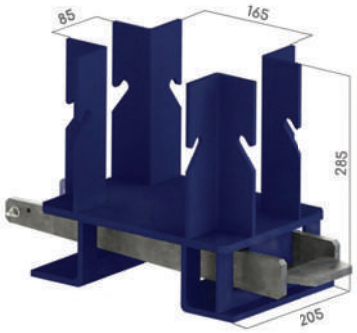


TRIPOD

It is a three-legged brace that is used to hold formwork props in a vertical position. It speeds up the erection process and then may be removed once the props is correctly braced.

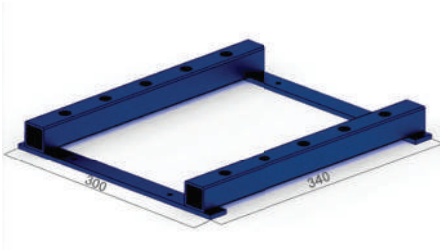
TABLE U-HEAD

The table u-head supports the H20 and the floor props with u-head connection unit.



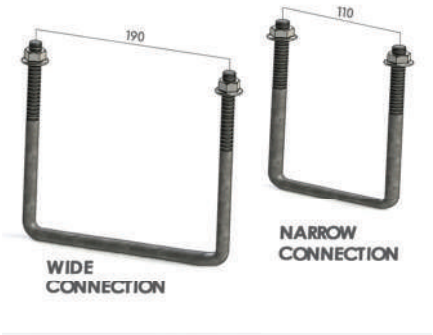
FRAME HEAD

Used to connect u head table and H20.



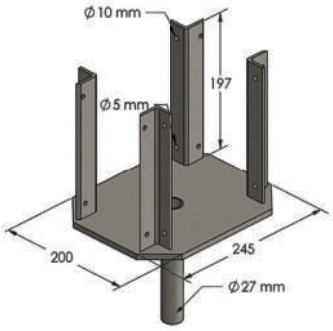
UNIT CONNECTION

used to fix the frame with the u head table.



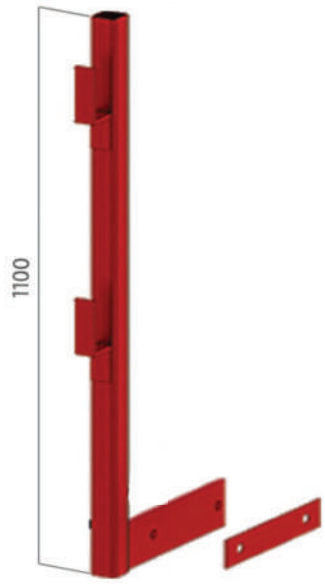
FORK HEAD

it's used as a flexible u head in two directions.



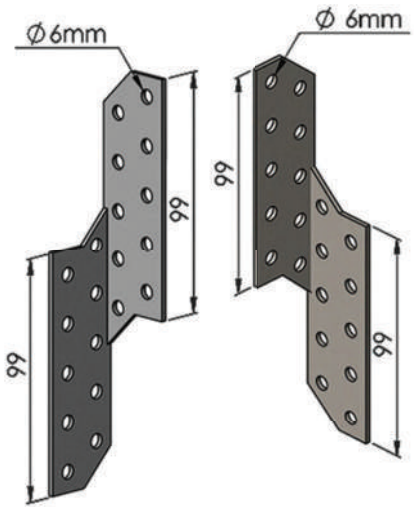
HANDRAIL POST

It is a versatile edge protection that is connected with H20 an used for the safety purposes.



RAFTER PLAT

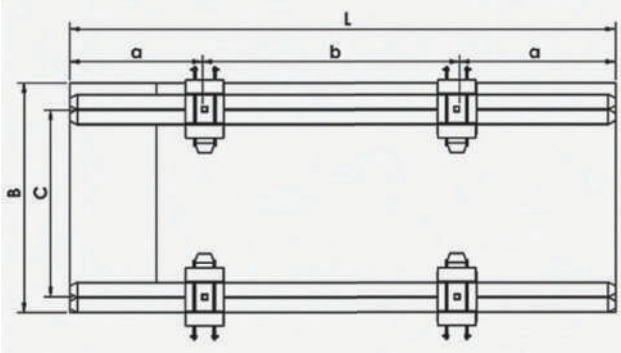
It is a nailed con- nection that used to fix timber beams together



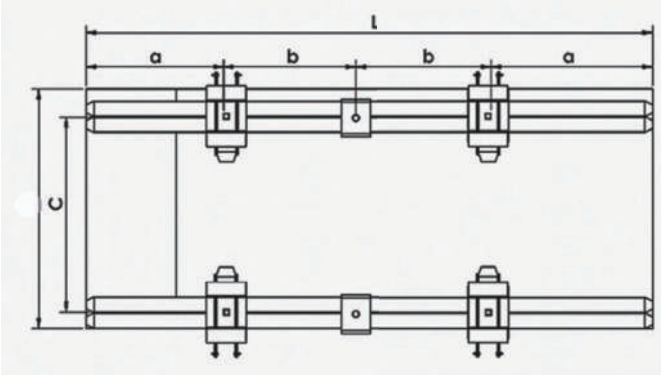
C-LEFTING ELEMENT

the transport fork adjustable with a carrying capacity of 1500kg. The four different fork width adjustments give the fork the ideal fit for any table format and usage situation. A latch type anti slide off guard enables the jib to be moved in under the table without hindrance, and then provides a high level of safety while the table is being lifted.

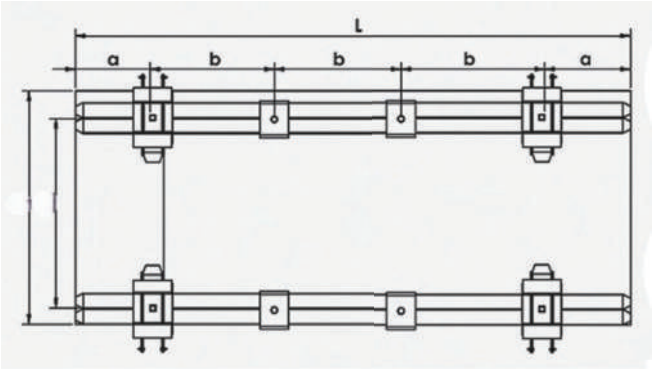
TECHNICAL DATA



thickness	(cm)	L	300	350	400	450	500	600
		a	62.5	75	87.5	100	100	-
B	C	b	175	200	225	250	300	-
250	150		65	55	50	45	35	-
300	175		55	45	40	35	30	-
350	210		45	40	35	30	26	-
400	240		40	35	30	26	22	-



thickness	(cm)	L	300	350	400	450	500	600
		a	50	60	50	75	75	90
B	C	b	100	125	140	150	175	210
250	150		95	80	75	65	60	50
300	175		80	65	60	55	50	40
350	210		65	55	55	45	40	35
400	240		60	50	45	40	35	30



thickness	(cm)	L	300	350	400	450	500	600
		a	-	-	50	52.5	55	60
B	C	b	-	-	100	115	130	160
250	150		-	-	95	90	80	60
300	175		-	-	80	75	65	50
350	210		-	-	65	65	55	45
400	240		-	-	60	55	50	40

MANUAL CRADLE

It is a system used for finishing works such as cladding facade mainte- nance. The system is used to reach inaccessible places. El Shater company provides a variety of sizes for the manual cradle system; they range from 1 meter to 7 meters cradle boxes.

SCAFFOLDING

Manual cradles are suspended access equipment which are temporarily installed on a building or structure for specific tasks such as cladding installation, painting, maintenance, repair and refurbishment of buildings, bridges, and other structures. And it's suspension rig are assembled at site prior to carrying out the task. The equipment are then dismantled and removed from site on completion of the work for which they were installed and may be reused elsewhere.

MANUAL SIZE FLEXIBILITY

Manual cradle boxes are connected togather with the connection in order to get the suitable length.

Manual Cradle box cases:
Compined Sizes

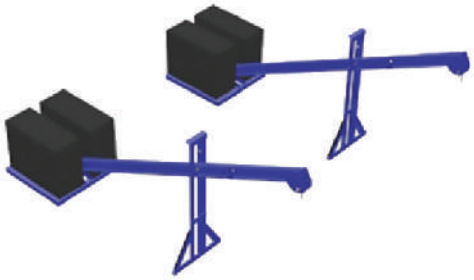
Basic Sizes

- 1m
- 2m
- 3m
- 4m

- 4m = 2 + 2
- 5m = 3 + 2
- 6m = 4+ 2
- 7m 2+3+2

SUSPENSION SYSTEM

Is the upper fixing set that is placed over the building. It consists of two steel beams, two iron bases and two supports.



PLATFORM

It is installed below the building to move from the bottom to the top throw two hand machine. The platform is made of two (4 x 4)cm steel sections. 4 panels of swedish wood are attached to the floor 12.00cm wide, 1 inch thick and 6.00mm screws. The platform consists of two sides, the front curtain, the back curtain, the wooden walker, the anti-roll wheels, and the intermediate connec- tion.

MANUAL HOISTS

They are consisted of machinery wire and body

El shater manual cradle is a simple machine which consists of a lot of components working together to achieve the purpose of the work requirements. It is easy to be erected and dismantled, which make it a practical solution for works with floor obstacles.

COMPONENTS

SUSPENSION SYSTEM

- BEAMS
- STEEL BASE
- THE SUPPORT

PLATEFORM

- PLATFORM SIDES
  FRONT CURTAIN
- BACK CURTAIN
- TIMBER PLANK
- INTERMEDIATE CONNECTION
- 2 ANTI-ROLL WHEELS

MANUAL HOISTS

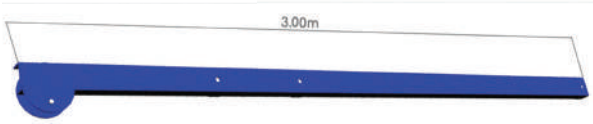
- HOIST'S BODY
- HOIST'S WIRE
- RIVET WITH CHAIN
- RIVET WITH PIN
- RIVET

SYSTEM COMPONENTS

SUSPENSION SYSTEM

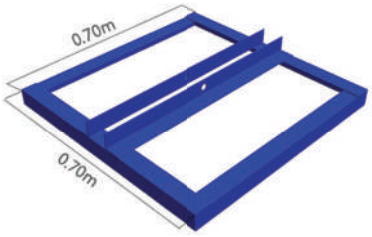
BEAMS

The 3.00m beam is equipped with holes distributed along its length to fix the vertical support and tighten the locks at the suspension point of the wire.



STEEL BASE

It is designed with a size of (70.00x70.00)cm to fix the beam on it. The base is installed at the top of the building to put weights on it. The weights are at least 500.00kg on each steel b e a m .



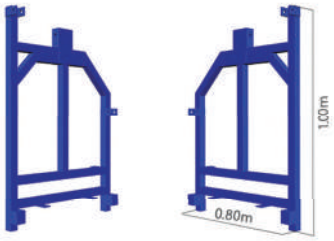
THE SUPPORT

It is a vertical base that is manufactured to carry the scaffold weight and to prevent the steel beam from sliding toward the wall of the building. The bracket is equipped with holes to control the elevation angle of the fixing group for a maximum height of 110.00cm and a width of 20.00cm.

PLATEFORM

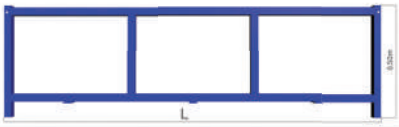
TWO SIDES

They are left and right sides with 1.00m height and 80.00cm width



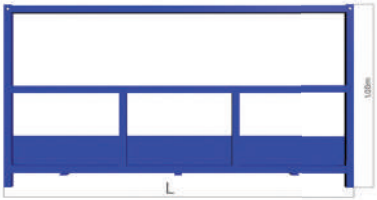
FRONT CURTAIN

It is 50.00cm in height and ranges from 1.00m to 4.00m accord- ing to the length of the box.



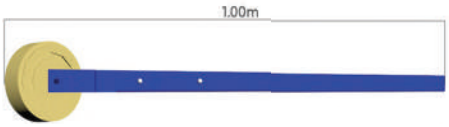
BACK CURTAIN

It is 1.00m high and the sizes range from 1.00m to 4.00m according to the length of the box.



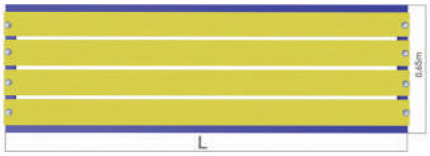
ANTI-ROLL WHEELS

They are fixed by two arms with 1.00m in length on both sides of the box to ensure the distance between the scaffold and the working interface is stable.



TIMBER PLANK

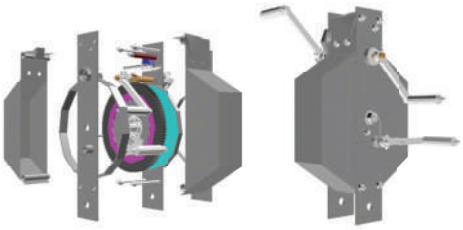
It is 65.00cm wide and 1.00m to 4.00m long depend- ing on the length of the box.



MANUAL HOIST'S

HOIST'S BODY

It is a box of high-quality metal which can be installed on a steel chassis "chassis" to protect wires during work, and a set of gears specially made to work in poor conditions.



HOIST'S WIRE

Each manual hoist is available with a solid core and a galva- nized wire with a diameter ranges from 6.00mm to 8.00mm depending on the size and length of the box. The length of the wire ranges between 40.00m and 60.00m.

RIVET PINS

Rivet: It is used to connect the components of the platformwith each other.
Rivet With Pin: It is used to connect the beam with the support and steel base.
Rivet With Chain: It is used to combine the manual hoist box with the side frame.

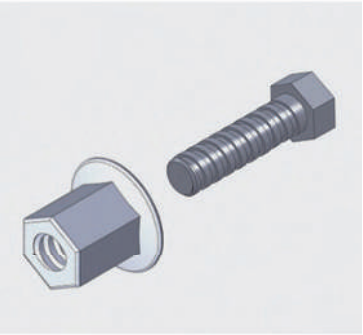
RIVET
(WITH PIN)

RIVET
(WITH CHAIN)

RIVET

ACCESSORIES

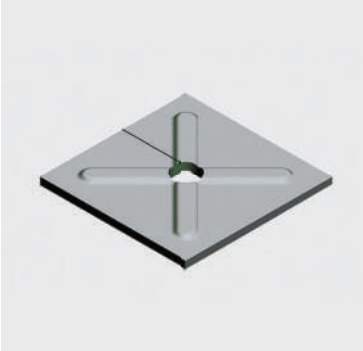
A C C E S S O R I E S



BOLTS WITH NUT Ø16mm

BOTTOM CUP

CASTOR WHEELS



COUNTER PLATE
(ANCHOR PLATE/TIE PLATE)

END PLATE LEDGER

FLANG CLAMP H20

FORGED BOARD COUPLER

3.848X Ø3.84
Ø 48.3 X 60.2

FORGED DOUBLE COUPLER

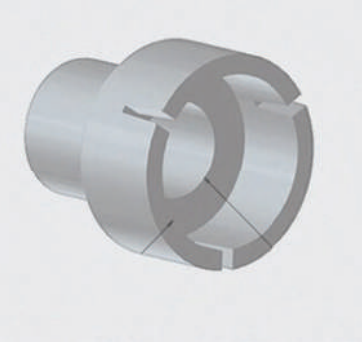
FORGED PUTLOG COUPLER

Ø 48.3 x 48.3
Ø 48.3 X 60.2

FORGED SWIVEL COUPLER

GRAVELOCK GRIDER CLAMP

H20 CONNECTION



PLASTIC CONE WATER
STOPPER

PLASTIC CONE (TIE CONE)

Ø 48.3 x 48.3
Ø 48.3 X 60.2

PRESSED DOUBLE COUPLER

Ø 3.48 x 3.48
Ø 3.48 x 2.60

PRESSED SWIVEL COUPLER

A C C E S S O R I E S

RIVET PIN WITH SPRING CLIPS

SCAFFOLDING TUBES

SHORBRACE COUPLER

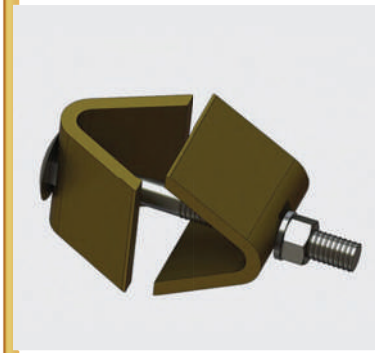
SINGLE COUPLER

SLEEVE COUPLER

SPIGOT

TIE RODS Ø16mm

TOP CUP

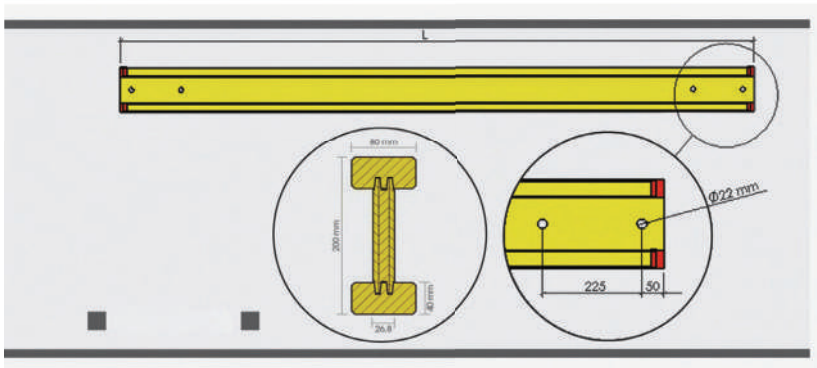


UNIVERSAL CLAMP

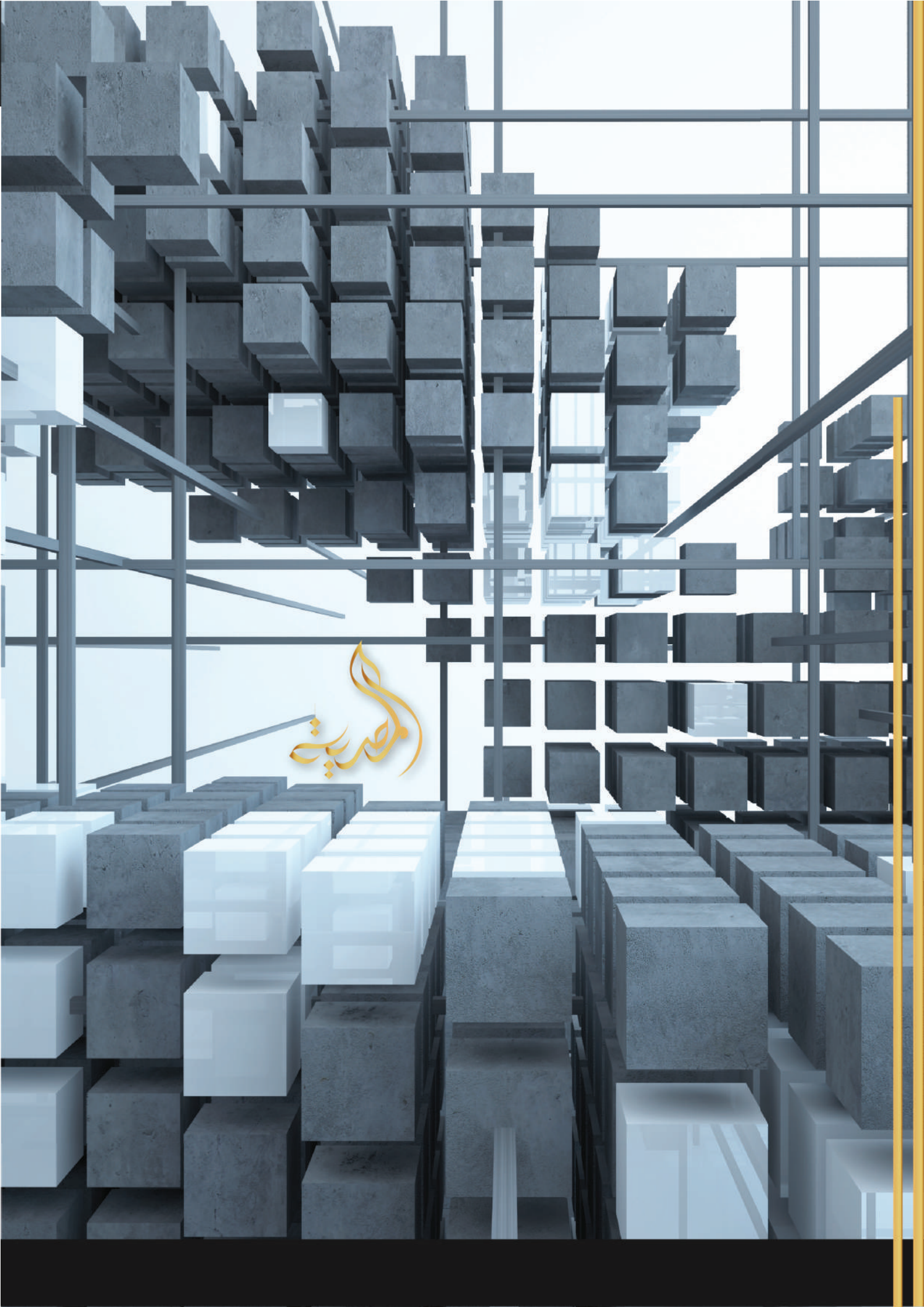
WASHERD PLATE WITH NUT

WATER STOPPER

WING NUT Ø16mm



H20 BEAM


المصدية

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