

## MIDDLE EAST CORNER SCAFFOLDIN



### PREFACE

This business established in 2003, under the name of Al Shamandi Group of Companies. Construction, Building Material, & recently MEC SCAFFOLDING due to the huge demand on Formwork & Scaffolding.

We have established Middle East Corner Scaffolding Company at Emirates City Sajaa in Sharjah - UAE. MECS offers a versatile service with a cost effective product as Rental, selling, trading of formwork & Scaffolding systems in UAE. MECS Company offering a versatile service with a cost effective product as Rental, selling, trading of formwork, Scaffolding & Building material in UAE.

**Our Mission:**

Our mission is to maintain a close working relationship between client and Middle East Corner Scaffolding, Projects Scaffolding by benefitting our client through comprehensive management of scaffolding movement, quality control as well as stable and cost effective unit rates in a safe and professional manner.

**Our Vision:**

Our vision for MEC SCAFFOLDING is to provide uncompromising scaffolding solutions to the commercial construction industries, by ensuring a strong and knowledgeable support system, passionate workforce as well as quality and cost efficient materials. We are constantly striving for new and innovative ideas to continue the growth and development of our company.

**Customer Service:**

MEC SCAFFOLDING has built a reputation based on reliability & respected reputation not only in the local area but also the wider area that it serves. One of its strengths is that it always has sufficient stock to undertake any job. We enthusiastically offers a high level of customer service. It develops and presents all its work with the utmost attention to detail, offering a high quality of service, guaranteeing standards and after sales customer care.

**Technical Support & Services:**

We conducting design, Technical Support, Inspection, Sales, Rental, & Labour services for Formwork & Scaffolding System's Erection. MEC SCAFFOLDING. is being managed by highly experienced Engineers and Specialists in the field since several years. Our competent and certified scaffolders, Inspectors and Engineers together makes all our projects very successful and brings us more clients across all emirates in UAE on regular basis.

Drawings and Pricing available upon request.

**Executive Manager**

## OUR SERVICES

### OUR SERVICES



#### Engineering consulting and technical solutions

We have the best technical engineers to meet customer requests from designs for drawing plans and field visits to sites during the dismantling and installation of scaffolding, metal formwork and formwork works



#### Rents and sale

MEC SCAFFOLDING offers Rent system on monthly basis with competitive rates for Construction companies. نقوم شركة ركن الشرق الأوسط بتوفير خدمة الإيجارات بالنظام الشهري للشركات المقاولات وبأسعار تنافسية. وكما يوجد خدمة البيع للمواد الجديدة والمستعملة.



#### Scaffolding and formwork systems

1- Cuplock System with Decking & infill Beams Cable systems with deck and anfil  
2- Cuplock System with HQD Cable systems with HQD 3- Props Jack 3m, 3.5m, 4m 4.5m, 5m with HQD or Aluminum Jack systems with wood or aluminum 4 - Steel water for share wall and columns



#### Building Material

We have big stock of Building material like 1-Cement, 2-plywood, 3-nails 2.5 \* & 3" inch 4-tie wire, 5-white wooden 4 \* 4 \* 4, 3 \* 3 \* 4 & 1 \* 8 \* 4 All construction materials are from iron for concrete, cement, mooring wire - and 2.5-inch and 3-inch nails, quarries 3 \* 3 and 4 \* 4, white wood takht size 1 \* 8 \* 4 and palladium 1.220 \* 2440



#### Erection & Dismantling

We have trained workers for erection of the scaffolding & dismantling.

## MEC. FORMWOK & SCAFFOLDING SYSTEMS

### SCAFFOLDING AND FORMWORK SYSTEMS



#### Cuplock system

Cuplock system with deck and infill beams

[LEARN MORE](#)



#### Cuplock with H20 beams

This is a combination of Cuplock standard and Ledger and H20 wood beams

[LEARN MORE](#)



#### MEC Table Slab

Props jack with H20 through fork head and tripod

[LEARN MORE](#)



#### Aluminum Columns

For easy assembly & work ability for fast operation at site

[LEARN MORE](#)



#### MEC HSE

**MEC Scaffolding** is committed to protecting the health and safety of its employees, contractors, users of its products and the communities in which it carries out business.

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As a responsible business, **MEC Scaffolding** holds itself accountable for Health, Safety & Environment performance. It aims to exceed all HSE relevant legislative requirements.

With a firm belief that HSE incidents and accidents are preventable, **MEC Scaffolding** provides its employees and relevant stakeholders with the right level of HSE training. It further provides guidance to its various stakeholders for the proper situational implementation of health, safety and environment protection procedures and standards.

**"We comply with all HSE legislations and regulations, relevant to the countries we operate in and the stakeholders involved"**  
and regulations, relevant to the





## MEC. CUPLOCK SYSTEM COMPONENT

### What is Cuplock System ?

Cuplock Scaffolding is a temporary structure used to support a slab, work crew and materials to aid in the construction, maintenance and repair of buildings, bridges and all other manmade structures.

Cuplock System is a fully galvanized or painted multi-purpose steel scaffold system suitable for providing general access and supporting vertical load.

### Erection steps

The main feature of Cuplock is the unique node locking Method which allows up to four horizontal (ledgers) members to be fastened to a vertical standard in one action through two cups, lower cups welded in the standard tube at every 500 mm Intervals and upper cups sliding along standard tube.

The ledger ends are put in the lower cup, then the upper cup is the lower down and locking by a hammer.

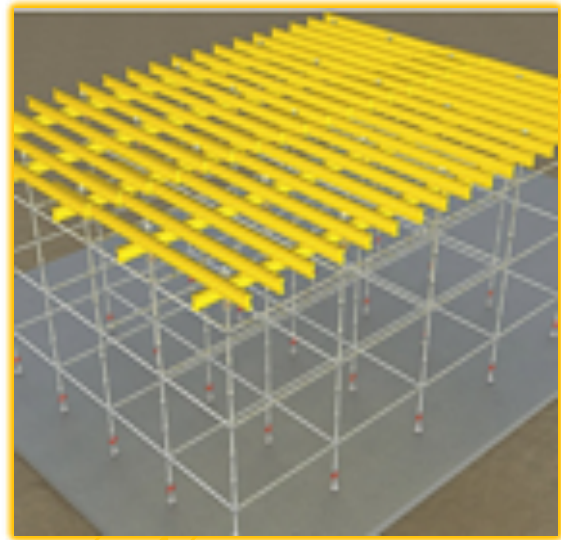
### Safety

Cuplock System has Safety built-in, as it is erected to a recognized configuration in a carefully developed sequence to work at every stage.

Cuplock System scaffolds provide clear uninterrupted working platforms without obstructive from diagonal bracing across the deck in the majority of cases.

### Safe working load

Standard safe working load starting from 35 KN up to 60 KN According to standard unbraced length and tube wall thickness.



### CUPLOCK SYSTEM FALSEWORK

Cuplock falsework system is stable for support structure application through the following :

- High standard load capacity.
- Range of components that gives the system capability to Tackle virtually any support application.
- Formwork support wide range grid variations that can be created to suit the loading requirement and structure types and heights.
- Ability to use different types of main and secondary beams with Cuplock.

### CUPLOCK SYSTEM ACCESS

Cuplock System is multipurpose steel scaffold for general access and support vertical load through the following:

- Safe working load on platform will vary between 0.75KN and 3.00KN per square meter depending on configuration of the scaffold.
- Cuplock scaffolding meet the requirements of the international standard for health and safety.
- Cuplock scaffolding is compatible with any scaffolding accessories(Stairs, boards, wheels, tie).
- All Components are designed to be light weight and Easy Assembled.
- Cuplock Constructs and maintains an installation that Can Seriously affected the life acceptance and efficiently of the finished installation.
- The upper cups (movable cups) are used to locking up to 4 ledgers at one node.
- The lowest bottom cup is welded at 80mm from the bottom end of the standard and the highest bottom cup is welded at 420mm from the upper end of the standard.

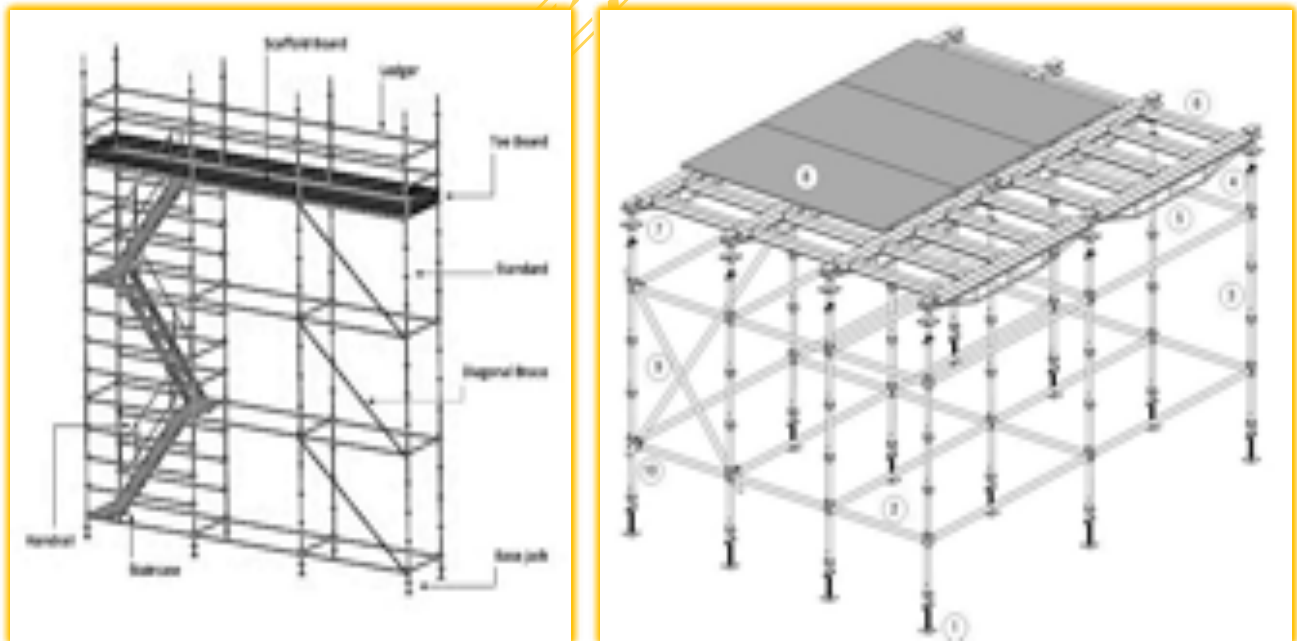


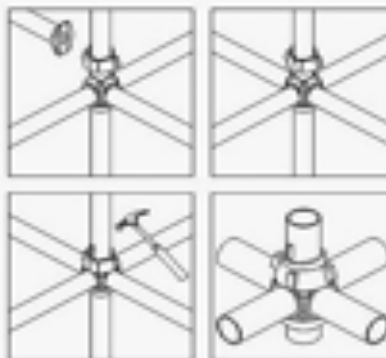
FIGURE 2 CUPLOCK SYSTEM FALES WORK

## CUPLOCK SYSTEM INTRODUCTION

Cuplock Sys. is a multi-purpose steel scaffold system suitable for providing general access and supporting vertical loads. The system's key feature is its unique circular node point which allows up to 4 horizontals to be connected to a vertical in a single fastening action making it probably the fastest and safest system available. The comprehensive range of Cuplock Sys. components allows it to be used for various construction applications. It can be used to create a wide range of support structures, access scaffolds, staircase towers, circular scaffolds, loading towers and mobile towers.

### System Features

- High leg load
- Unique node point
- Quick erection
- Systemised bracing



Ledgers at 2.0m: Up to 20kN Leg Capacity  
 Ledgers at 1.5m: Up to 40kN Leg Capacity  
 Ledgers at 1.0m: Up to 60kN Leg Capacity

### Cuplock Sys. Available in three Ways

- Steel beams decking  
(infill beams and decking beams)
- Timber beams decking  
(H20 timber beams, LVL beams, traditional timber)
- Aluminum beams decking  
(S150, T150 and T225 aluminum beams)

### Easy to Assemble

A simple locking cup at each node point on the standards enables connection of the ends of up to four members in one locking action. With all four members attaching at the same level the system is ideal for load bearing construction applications as well as conventional face scaffolding.

### Versatile in Use

It is suitable for access or formwork support with an extensive range of special applications. The horizontal members can be angled to suit many different applications. The system has been used in triangular, trapezium and is ideal for curved surfaces. For formwork support, a wide number of grid variations can be created to suite differing load requirements.

### Robust Design with High Safety

Cuplock Sys. has a proven performance history on an extensive number of sites, meeting the requirements of the various statutory bodies. A comprehensive range of accessories is available to cater for safety requirements such as guardrails, mesh panels, ladder access, stair access and components to provide overhead protection.

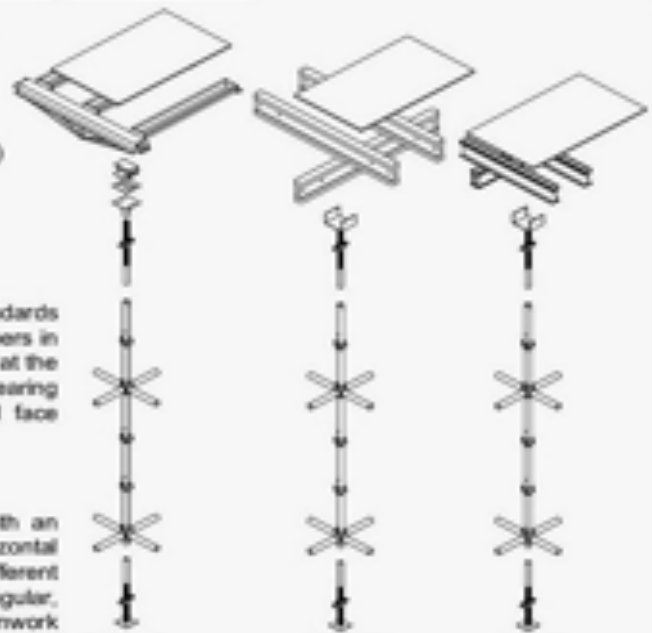


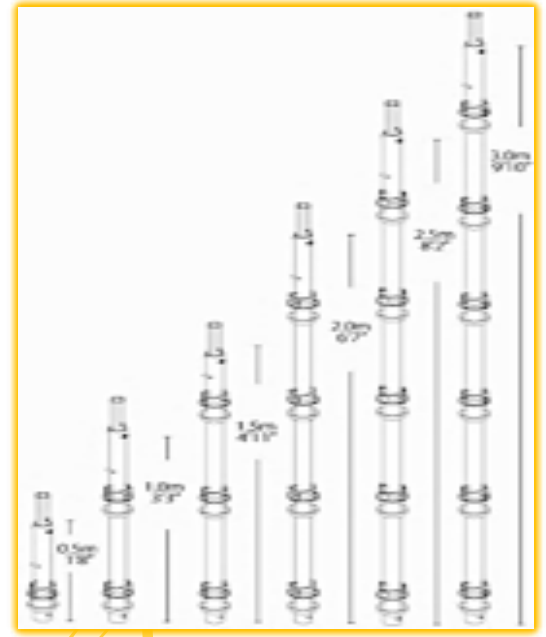
FIGURE 3 CUPLOCK SYSTEM FORMS WITH DECKING, INFILL, H20, & ALUMINIUM

### CUPLOCK SYSTEM STANDARD & LEDGER SIZES

- Cuplock Standard are components in Six Basic Size (500mm, 1000mm, 1500mm, 2000mm, 2500mm, and 3000mm) length.
- Cuplock standard are manufactured from 48.3mm O.D. Tube With 3mm and 3.2mm thickness.
- The lower cups are welded to standard at 500mm intervals.

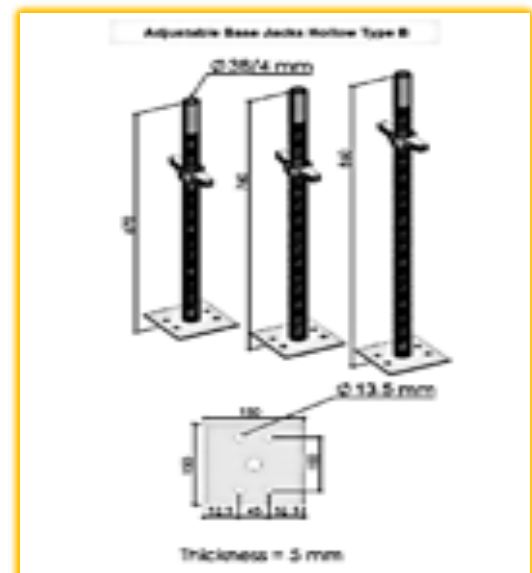
### CUPLOCK LEDGER SIZES

- Cuplock ledger are used as the main horizontal connection Member for Cuplock system.
- Cuplock ledgers are introduced in large varieties to meet the Requirement.
- Cuplock ledgers are manufacture from 48.3mm O.D. tube with 3mm and 3.2mm thickness.
- Cuplock ledger ends are formed with circular profile and welded to ledger tube.
- Cuplock ledger ends meet with the bottom cup of the standard and lock in place by the upper cup. (Corresponding lock).
- While we can make any size as per the figure as per order.



### CUPLOCK ADJUSTABLE BASE JACK

- Adjustable Base jacks are made of plate, Screw jack and steel handle.
- Adjustable base jack available in two types (hollow and solid)
- Adjustable base jack provide method of adjustment for Cuplock structure It fits directly into Cuplock Standard.



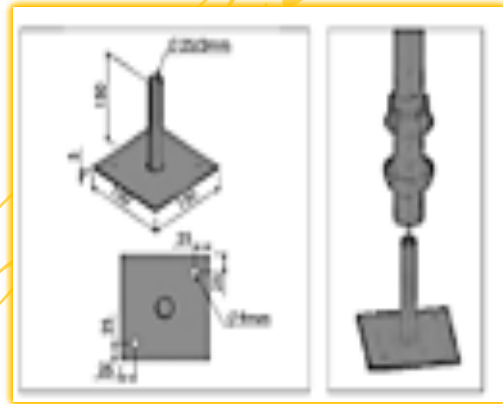
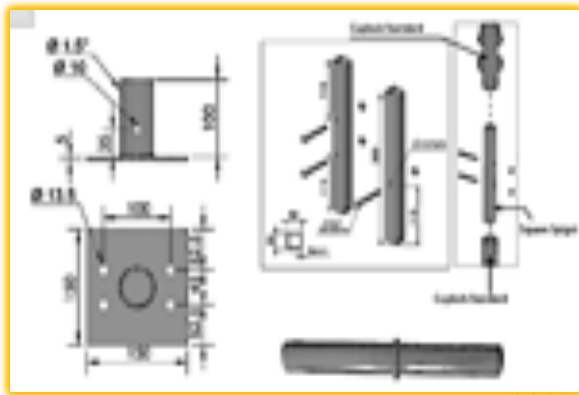


### CUPLOCK BASE PLATE

- Base plate uses as simple support for Cuplock structure in case of no need adjusting level and is drilled to permit the insertion of a securing if required.
- Base plate provides a flat support for Cuplock structure.

### CUPLOCK SQUARE / CIRCLE SPIGOT

- Spigot / Connector Used to join one Cuplock standard to another coaxially.
- Bolt is placed transversely through the spigot and Cuplock standard to prevent the spigot from pulling out of standard.



### CUPLOCK ADJUSTABLE UNIVERSAL JACK

- Universal jacks are made of a screw jack and steel handle, & comes in two types (Hollow & Solid) to adjust the slab height.



### CUPLOCK SYSTEM ADJUSTABLE ( U HEAD )

- Adjustable U Head are made of a U shaped steel plate, screw jack and steel handle. & available in two types (hollow and Solid).
- Adjustable U-Head jacks are providing support for primary beams (traditional timber, steel, H20 beam and aluminum beam).

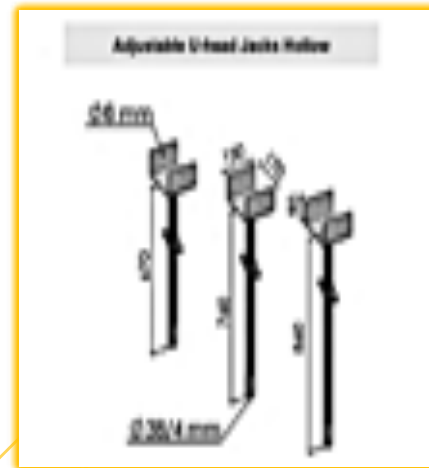
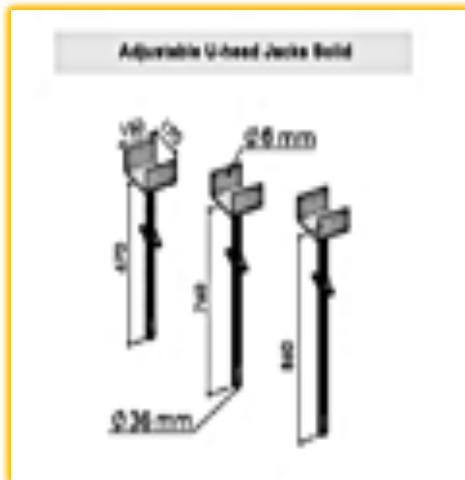
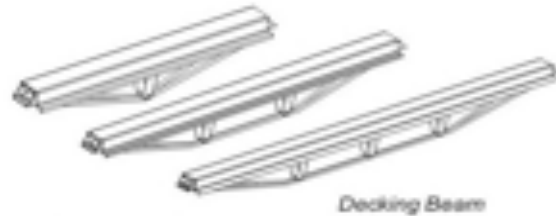


FIGURE 4 STANDARD WITH U HEAD

### CUPLOCK SYSTEM DECKING & INFILL BEAMS

#### Decking Beam

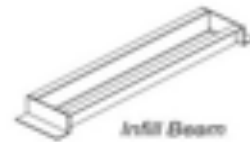
The primary beam that is used with the drop head to form the decking system. Made from sheeted components, and available in lengths of 1.2m, 1.8m and 2.5m.



Decking Beam

#### Infill Beam

The infill beams span between the decking beams to support the plywood. Made from sheeted components and available in variable lengths from 0.50m upto 1.70m.



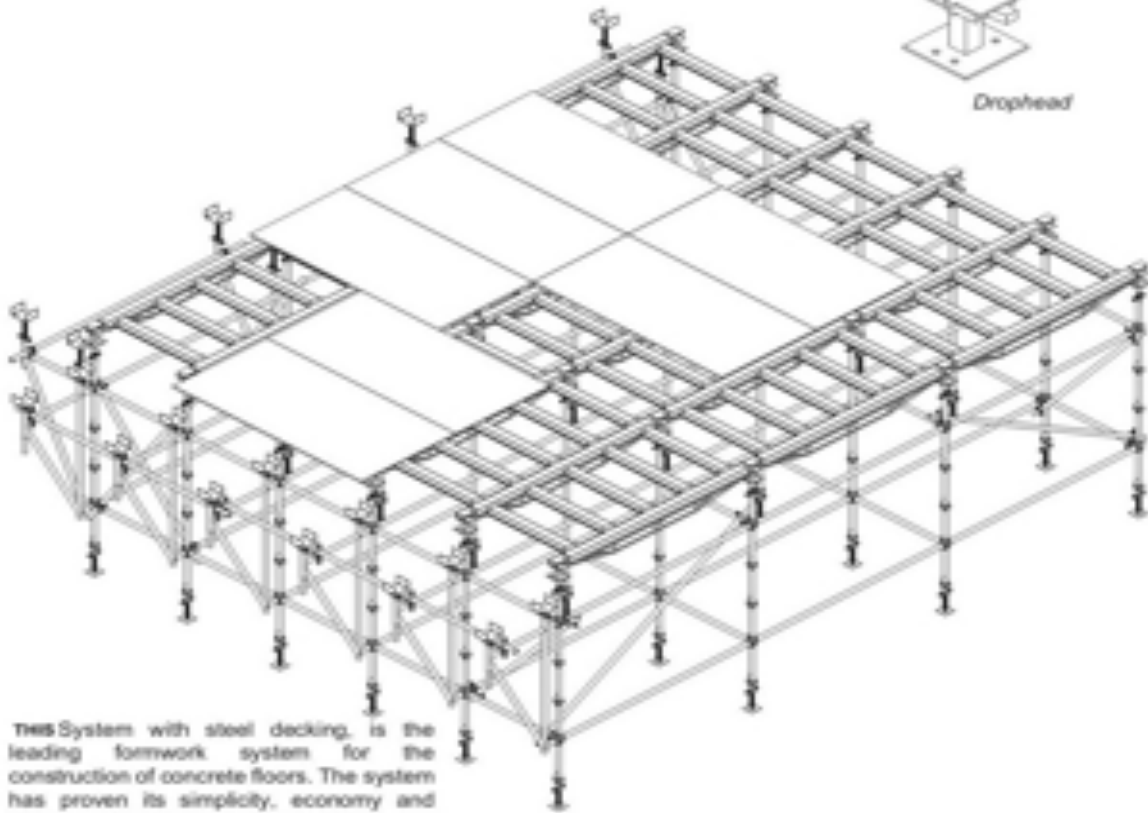
Infill Beam

#### Drophead

Drophead offers the facility for early striking of the formwork. The wedge plate on the drophead can be conveniently struck so that the drophead remains in position to support the slab, but the decking beams can be dismantled & assembled on next location enabling optimum utilisation of the formwork.



Drophead



THIS System with steel decking, is the leading formwork system for the construction of concrete floors. The system has proven its simplicity, economy and versatility for various site conditions.

FIGURE 5 CUPLOCK SYSTEM DECKING & INFILL BEAMS

### CUPLOCK SYSTEM DECKING, INFILL BEAMS & DROP HEAD

#### DECKING BEAM

- Decking Beams including 100mm wide top flange which provide support for infill beams.
- Decking Beams available in three sizes 1200mm, 1800mm and 2500mm.
- Decking beams span between Dropheads and run in one direction only.

#### INFILL BEAM

- Infill beams span decking beams to skeletal support for plywood.
- Infill beams available in four sizes 500mm, 1000mm, 1100mm, 1200mm, 1600mm and 1800mm.

#### DROP HEAD

- Drop Head is supporting on Cuplock standard by adjustable Universal jacks.
- Drop Head provides striking technique for Cuplock structure & Decking beams



FIGURE 6 CUPLOCK DECKING & INFILL BEAMS OUR PROJECTS

### CUPLOCK SYSTEM TRANSOM BEAM, BRACKET, CANTILEVER FRAM

- Cuplock intermediate transoms are introduced in 7 size 1.00,1.25,1.30,1.6,1.8,2.5m
- Cuplock Transoms are manufacture from 48.3mm O.D. tube with 3.2mm thickness.
- Cuplock transoms provide intermediate support to the Scaffolding Boards.

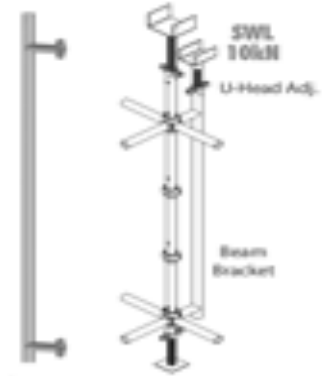


#### Beam Bracket

Beam bracket eliminates full height propping to beam formwork by locating on to slab support verticals. The beam bracket distributes the load throughout the surrounding scaffold structure. Normally, Beam Brackets are used to support internal down-stand beam. The use of beam bracket with jacks accepting beam spanning from one bracket to another can avoid the need of ground based support. Thus saving all the components that would normally be needed below to transfer the beams load to the ground.

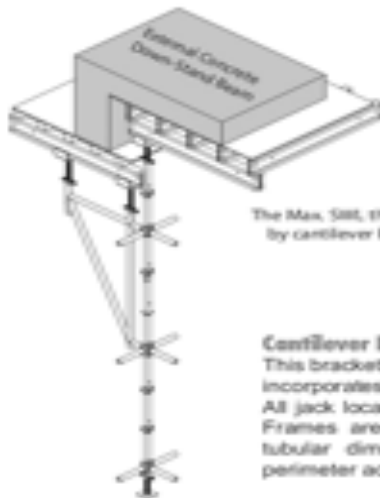


The Max. SWL that can be supported by beam bracket = 10 kN



#### Cantilever Beam Frame

To provide extra support at the edge of construction, especially slab edge formwork, the cantilever beam frame can be attached directly to the verticals at the node points. The frames have blade ends for locating the cup joints and can accept jacks.



The Max. SWL that can be supported by cantilever beam frame = 10 kN

#### Cantilever Frame

This bracket is designed for supporting cantilever edge slabs and incorporates 3 Jack locations at centres of 1.2, 1.25 and 1.3m. All jack locations can be utilised for traditional primary timbers. Frames are located in the cup joints. They are of standard tubular dimension and can be laced together if used for perimeter access on support scaffolds.

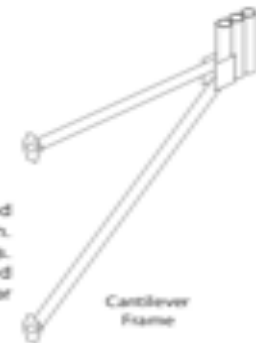
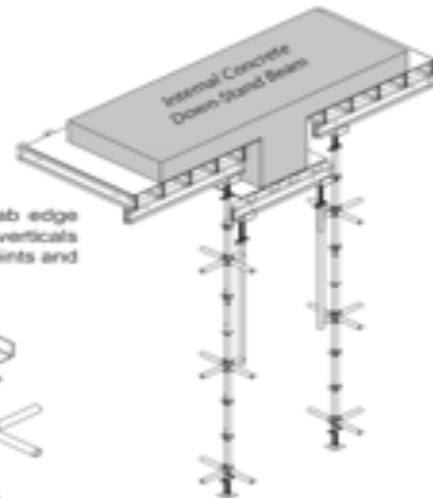
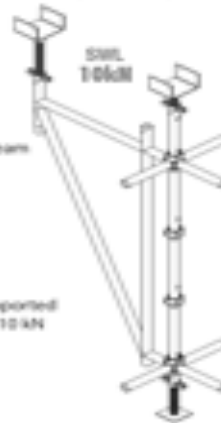


FIGURE 7 BEAM BRACKET, CANTILEVER FRAM



**CUPLOCK SYSTEM TRANSOM BEAM, BRACKET, CANTILEVER FRAM**

FIGURE 8 DECKING, INFILL BEAMS WITH CANTILEVER &amp; BRACKET BEAMS

### CUPLOCK SYSTEM H FRAME & STAIRCASE

#### H Frames (Italian System)

High quality M.D. external system is designed to be easily erected and dismantled without help from professionals. The "H" frame, or vertical member, has welded square or round pins on top for ease of connection.

This allows for erecting the frames faster and to any height with maximum safety and stability. The system is designed not to include any loose fittings inside.

The external systems have a three-way support to hold greater loads and ensure greater stability.

The vertical frames (H frames) are available in side ladder type, 3 step ladder, and normal "H" shape. Non-standard sizes are available, on request, for a minimal charge.

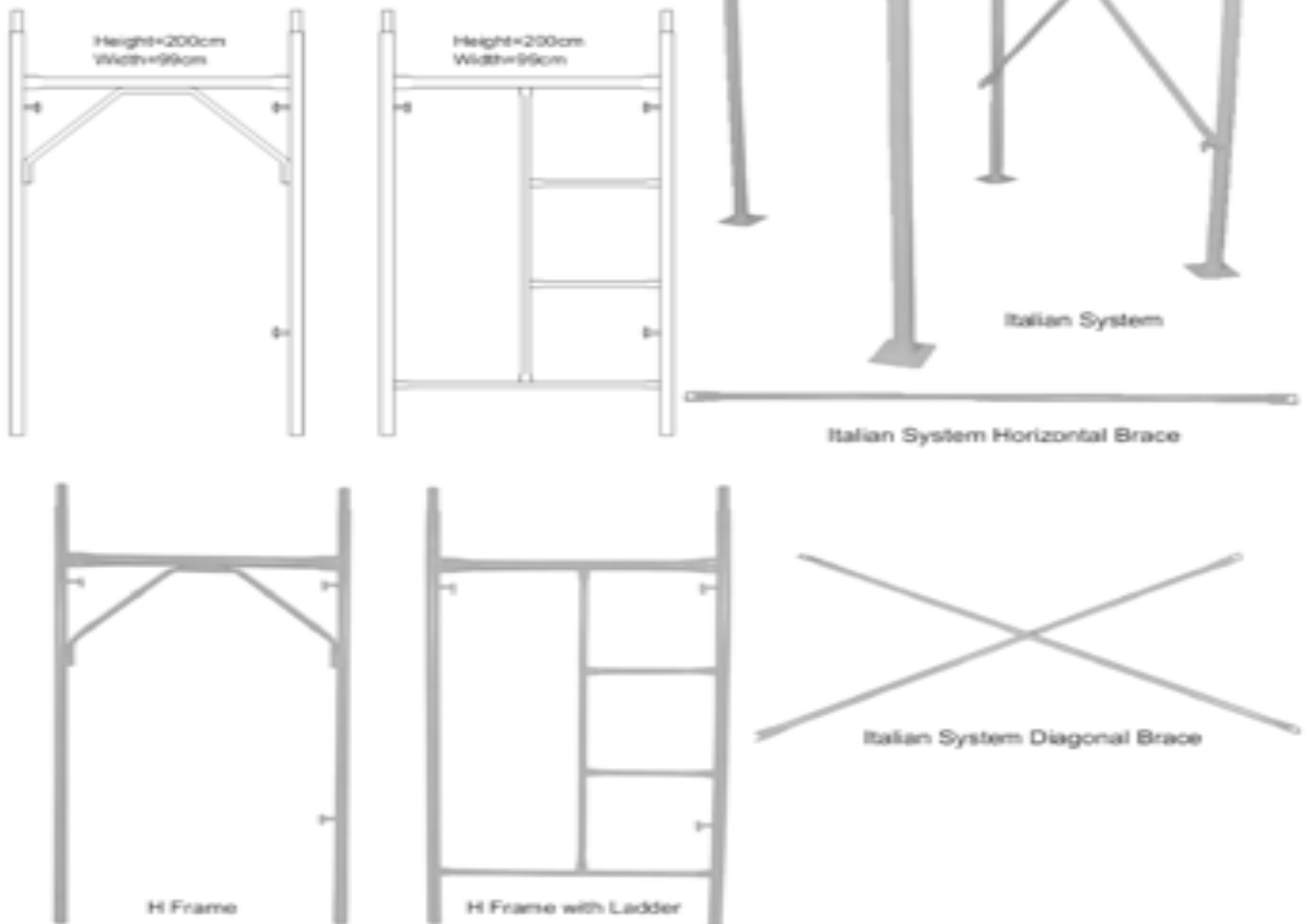


FIGURE 9 HFRAME



FIGURE 10 HFRAME ON SITE



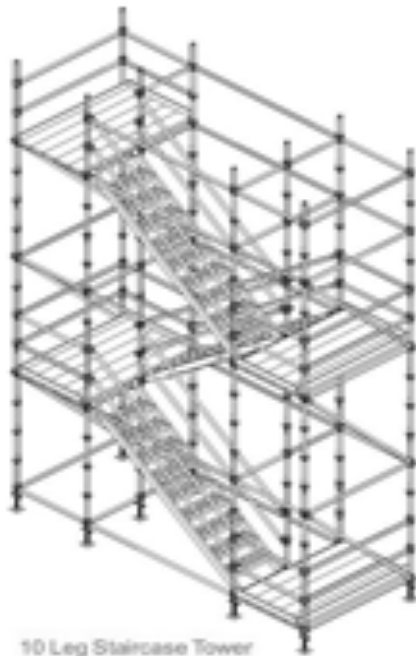
### CUPLOCK SYSTEM H FRAME & STAIRCASE

Staircase Tower provides a safe access solution for various construction purposes. Staircase towers generate significant time savings for everyone on site. There are two basic staircase options in the GS System range for light, medium duty and heavy duty requirements.

The scaffold system will provide the main structure for the tower. The staircase tower offers a stable, rigid structure designed with a key emphasis on user safety. Board landing platforms with steel or timber battens can be used. Stairways are rigid and provide firm, non-slip treads to ensure maximum security for users.

#### Staircase Sizes

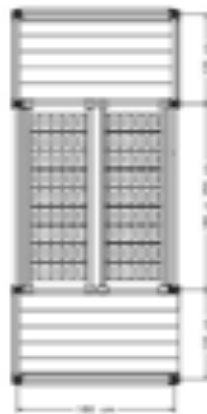
Staircase towers are based on two plan layouts, using 8 or 10 leg tower structures. Each staircase type comes in 1.5m or 2.0m lifts. Different lift sizes may be combined in the same tower to suit platform levels.



#### 10 Leg Staircase Tower

Plan area: Option 1: 1.8m x 4.2m  
Option 2: 1.8m x 4.9m

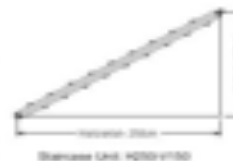
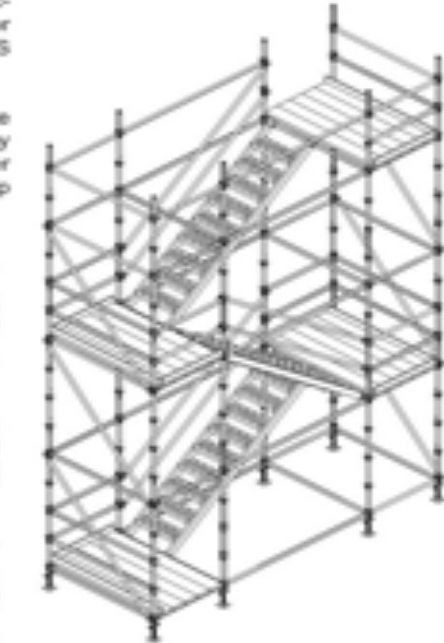
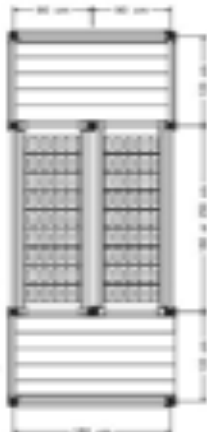
Suitable for heights up to 53m and heavier loading requirements, this staircase is similar in layout to the 8 legged tower, but incorporates two additional central standards at the inside ends of the staircase flights. Landing platforms are 1.2m wide, the staircase is 0.80m wide. It can be built in lift heights of 1.5 or 2m.



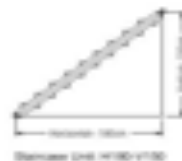
#### 8 Leg Staircase Tower

Plan area: Option 1: 1.8m x 4.2m  
Option 2: 1.8m x 4.9m

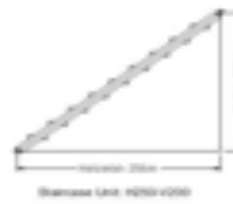
This configuration can be built to a height of 35m, subject to ties and loadings. Landing platforms are 1.2m wide and the staircase is 0.80m wide. It can be built in lift heights of 1.5 or 2.0m. Couplers are used in conjunction with timber boards. Steel battens can also be used to form the landing platforms. The width of the tower is 1.8m. Exit from the tower at upper levels is made from the top landing platform by removing the appropriate guardrail.



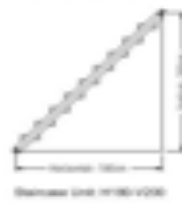
Staircase Unit: H200-V100



Staircase Unit: H100-V100



Staircase Unit: H200-V200



Staircase Unit: H100-V200

FIGURE 11 STAIRCASR

**CUPLOCK SYSTEM H FRAME & STAIRCASE**

Staircase Tower offers a Full Range of Stairway Solutions for Temporary Access



Staircase Tower





## CUPLOCK SYSTEM TECHNICAL DATA

## Safe Working Loads for Supporting Structure

Safe, Fast, and Efficient Access and Load Bearing Scaffold for all Construction Requirements

The load carrying capacity of any support structure is dependent on several key factors:

- Spacing between standards
- Height from ground to soffit level
- Required jack extension
- Temporary access platforms within the structure
- Ground conditions
- Lift height
- Deck weight and live load
- Bracing

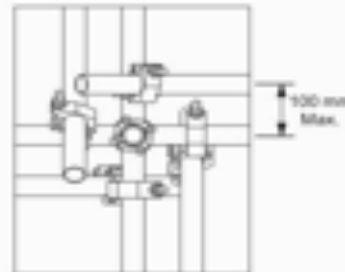
System is suitable for support applications with 29kN leg loading when the vertical dimension between ledgers is at a maximum of 2m vertical centers. The leg load can be increased to 40kN when the maximum vertical distance between ledgers is limited to 1.5m, and 55kN leg load can be accommodated when ledgers are at 1.0m vertical centers.

### Diagonal Bracing

Diagonal braces should be fixed to the ledgers as shown, as close to the node point as possible. The maximum gap between the side of the brace and the node point should be 100 mm. The bracing should be installed immediately after the erection of each lift to ensure that all bays are properly squared up. The quantity of bracing should be calculated, but a minimum amount must always be used. This requires one complete brace from the top to the bottom lacing level, on each row of standards, one in six bays in each direction.

Whenever System is used for support, bracing will be necessary to provide lateral stability, overall stability, erection stability and node point stability for the effective length of standards. Installing in bracing pattern often provides sufficient bracing to cover the other cases. The design of bracing and the horizontal restraint force required to be transmitted through the braces is specified in BS 5975.

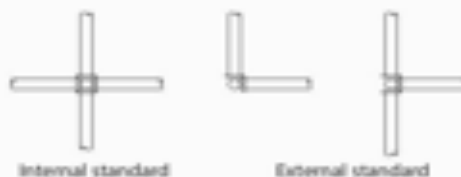
specifies a minimum lateral stability criteria equivalent to the greater of either, 2.5 % of the vertical load in standards acting horizontally at the point of application of the load, or horizontal forces from wind, erection tolerances, non-vertically, concrete pressure and other forces acting as described in the code. The SWL of couplers is 6.25kN, this being the slip capacity of the connection in tension or compression. The requirement to brace the adjustable U-heads and base jacks will be dependant in their individual extensions and the load being carried, and is detailed in the side figures. It is assumed that the standards are connected by ledgers and braced at the uppermost and lowest node points.



Diagonal Bracing Pattern

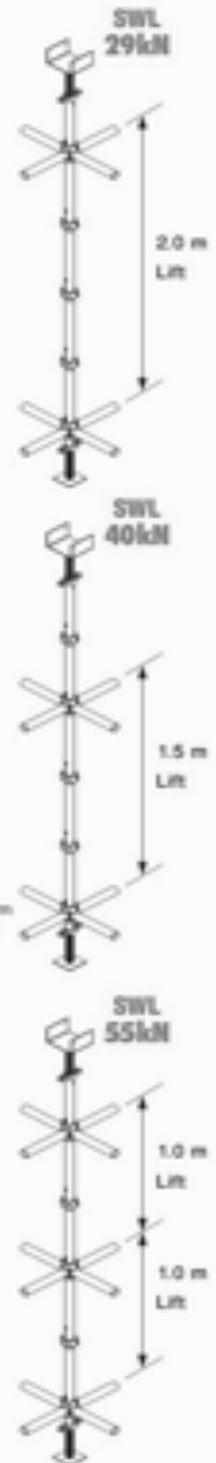
### External Standards

The loading capacities shown are based on the inner standards which are restrained in four directions. For external standards restrained in either three or two directions the safe working loads are reduced by 20%.



Internal standard

External standard

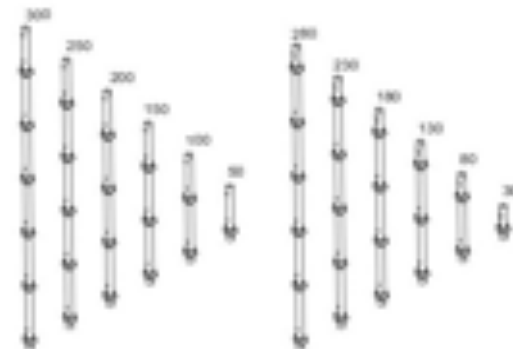
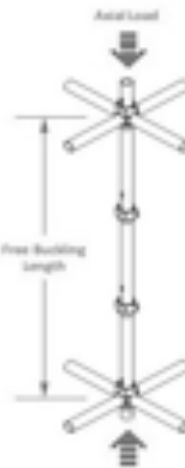
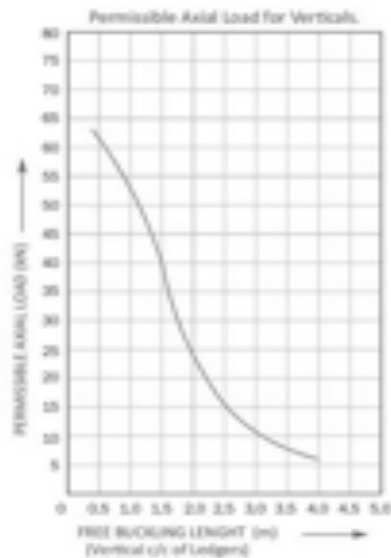


## CUPLOCK SYSTEM TECHNICAL DATA

### Standard and Ledger Sizes

#### Standard

The standards are economical and can match any propping or access applications. Made from the highest quality steel the upper cups can be moved, while the lower cups are welded into position. Spigot joints can be attached to the holes drilled in the standards if needed. The standards are available in variable sizes.

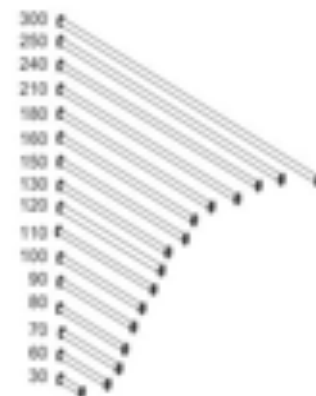


Scaffold Tube 48.30mm

DIAMETER	[D]: 48.30 mm
SECTION AREA	[F]: 4.53 cm <sup>2</sup>
MOMENT OF INERTIA	[I]: 11.60 cm <sup>4</sup>
SECTION MODULUS	[S]: 4.80 cm <sup>3</sup>

#### Ledger

Only the highest quality steel tubes are used for the ledgers. To avoid any potential damage they have identical forged ends with a minimum of projection. Ledgers are available in sizes ranging from 30 cm up to 300 cm.



Ledger Size (m)	Central Point Load (kN)	U.D.L (kN/m)	Two Equally Spaced Point Load (kN)
Ledger 2.5	1.71	2.70	1.29 (Each)
Ledger 1.8	3.40	-	-
Ledger 1.6	3.52	-	-
Ledger 1.2	3.70	-	-
Ledger 0.9	4.80	-	-

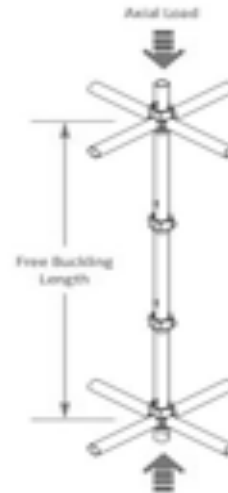
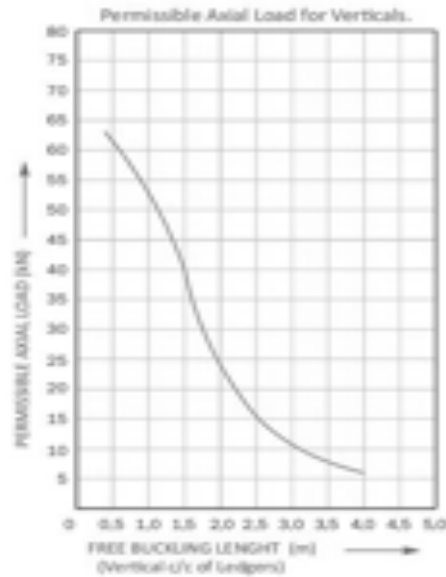
Note: The above S.W.L. incorporates safety factor of 2.0.

### CUPLOCK SYSTEM TECHNICAL DATA

#### Working Loads of Access Scaffolds:

Working load is the total load of all persons, equipment, tools, materials, transmitted loads, and other loads reasonably anticipated to be applied to a scaffold or scaffold component at any one time. There are three different types of scaffolds according to load (Light Duty Scaffolds, Medium Duty Scaffolds, and Heavy Duty Scaffolds) as follows:

- 1. Light Duty Scaffolds:** Designed and constructed to carry a working load of 1.2 kN/m<sup>2</sup>
- 2. Medium Duty Scaffolds:** Designed and constructed to carry a working load of 2.4 kN/m<sup>2</sup>
- 3. Heavy Duty Scaffolds:** Design and Constructed to carry a working load of 3.6 kN/m<sup>2</sup>



Case	L (m)	W ** (kN/m <sup>2</sup> )	P (kN)	Typical load examples per bay
Heavy Duty	1.0	3.6	2.0	2 men and 200 kg of materials
	1.2	3.6	2.0	
Medium Duty	1.8	2.4	1.5	2 men and 100 kg of materials
	2.5	2.4	1.5	
Light Duty	3.0	1.2	0.75	2 men and tools. No materials

\*\* See also:

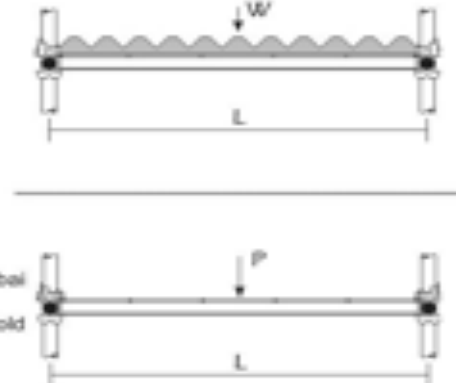
-Code of Construction Safety Practice - Municipality of Dubai, Dubai Government

-BS 5973 - Access and Working Scaffolds and Special Scaffold Structures in Steel

Notes:

• Loads W and P shown are not simultaneous loads

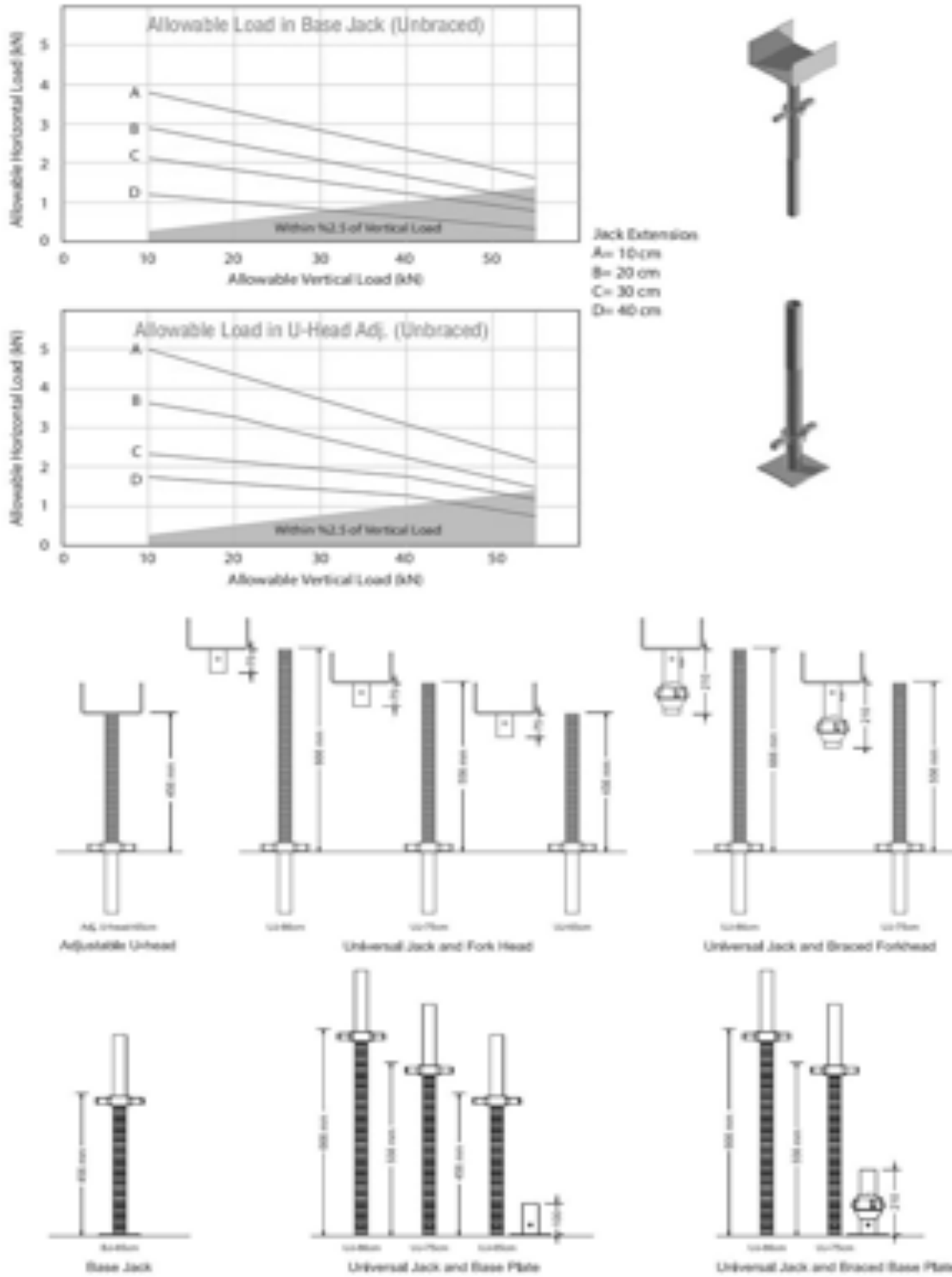
• The Short Ledger (Transom) Working Load Limits shown in the table. Typically, this limitation applies to working platform widths equal to Transom size 'L' shown.



Building

### CUPLOCK SYSTEM TECHNICAL DATA

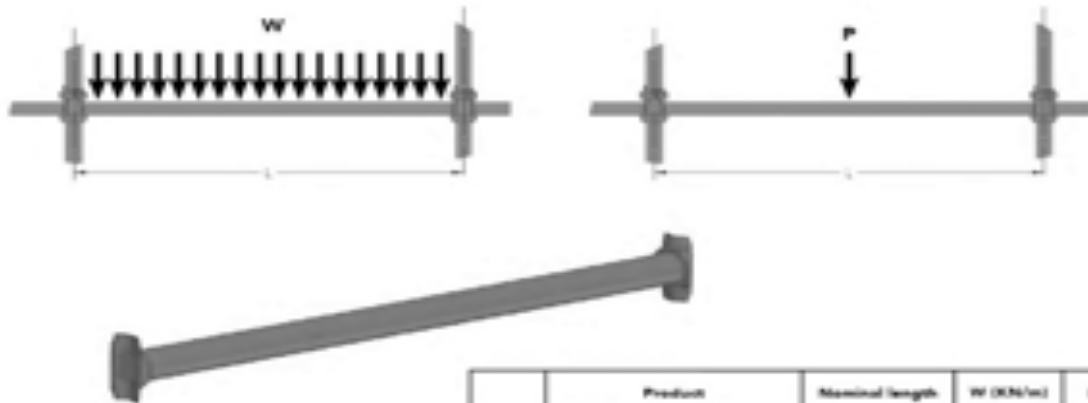
#### Cuplock U Head safe working load



### CUPLOCK SYSTEM TECHNICAL DATA

#### Cuplock ledger safe working load

The following table and figures show the safe working load on Cuplock Ledger:



W: uniform load on Cuplock ledger;  
P: point load on Cuplock ledger.

	Product	Nominal length	W (KN/m)	P (KN)
1	Cuplock ledger: 1200 mm	1200	4.68	18.00
2	Cuplock ledger: 1800 mm	1800	4.00	8.00
3	Cuplock ledger: 2800 mm	2800	2.40	4.00

#### The Technique of Early Striking

Cuplock Early Striking application allow to remove formwork after 3 to 4 days of pouring a slab, but Cuplock supporting structure (Cuplock Standard) still remains until the concrete is strong enough to support its own weight over its full span.

Concrete generally takes 28 days to attain its full strength. Most codes and standards will only permit the complete support to be removed after about 10 to 14 days, according to environment temperature and cube strength tests.

Traditional Falsework techniques need 10 to 14 days of pouring cycle but Cuplock Early Striking provide facility to reduce the cycle time.



Drop Head considered the main part to apply Early Striking technique.

Drop Head allow to dismantling decking and Infill beams and supporting the slab with cuplock supporting structure.

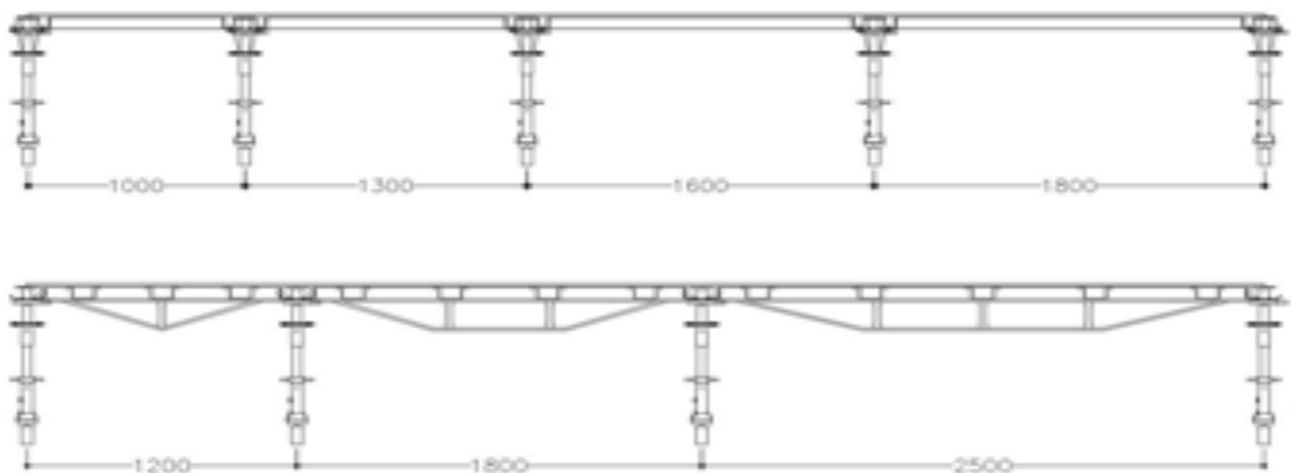
Drop Head moved from up position to down position by striking Drop Head wedge by hammer hit; allows the beams to drop about 115mm only giving sufficient clearance for the removal of infills.



**CUPLOCK SYSTEM TECHNICAL DATA**

Decking Beam Size (m)	Ledger Size (m)	Area (m) <sup>2</sup>	Max. Slab Thickness (cm)	
			Solid Slab	Hollow Slab
2.5	1.8	4.5	27.5	34.4
2.5	1.6	4.0	32.0	40.0
2.5	1.3	3.3	41.2	51.5
1.8	1.8	3.2	41.4	51.7
2.5	1.2	3.0	45.3	56.7
1.8	1.6	2.9	47.5	59.4
2.5	1.1	2.8	50.2	62.7
2.5	1.0	2.5	56.0	70.0
1.8	1.3	2.3	60.4	75.5
2.5	0.9	2.3	63.1	78.9
1.8	1.2	2.2	66.1	82.6
1.2	1.8	2.2	66.1	82.6
2.5	0.8	2.0	72.0	90.0
1.8	1.1	2.0	72.8	91.0
1.2	1.6	1.9	75.3	94.2
1.8	1.0	1.8	80.9	101.1
1.8	0.9	1.6	90.8	113.4
1.2	1.3	1.6	94.6	118.2
2.5	0.6	1.5	98.7	123.3
1.8	0.8	1.4	103.1	128.9
1.2	1.2	1.4	103.1	128.9
1.2	1.1	1.3	113.2	141.5
1.2	1.0	1.2	125.3	156.7
1.8	0.6	1.1	140.1	175.2
1.2	0.9	1.1	140.1	175.2
1.2	0.8	1.0	158.7	198.3
1.2	0.6	0.7	214.2	267.8

- Concrete Unit Weight (Solid) = 2500 kg/m<sup>3</sup>
- Concrete Unit Weight (Hollow) = 2000 kg/m<sup>3</sup>
- Live Load = 200 kg/m<sup>2</sup>



### CUPLOCK SYSTEM TECHNICAL DATA

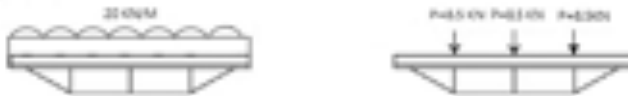
#### Decking Beams Safe Working Loads

The following figures show Decking Beam Safe Working Load with different lengths.  
Safe Working Loads shown as uniform load and point load.

Decking beam 2.8 m



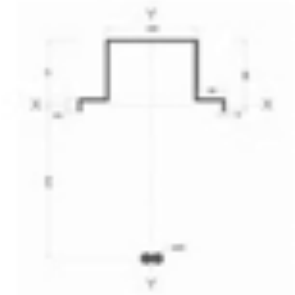
Decking beam 1.8 m



Decking beam 1.2 m



Point Load (P) = 2 (Reaction Of Infill Beam)



Section at mid span of Decking beam



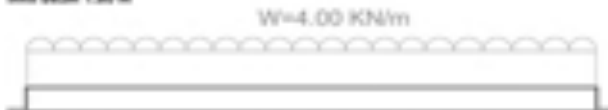
#### Infill Beams Safe Working Loads

The following figures show Infill beams Safe Working Load

Infill beam 1.80 m



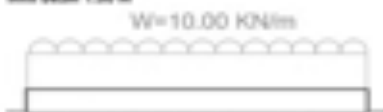
Infill beam 1.60 m



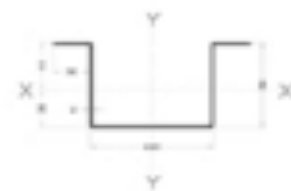
Infill beam 1.20 m



Infill beam 1.00 m



Line Load (W) = Slab Load X Spacing Between Infill Beam



Section at mid span of Infill beam



## CUPLOCK SYSTEM TECHNICAL DATA

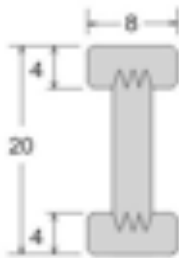
### H20 Timber Beams

#### H20 Timber Beam

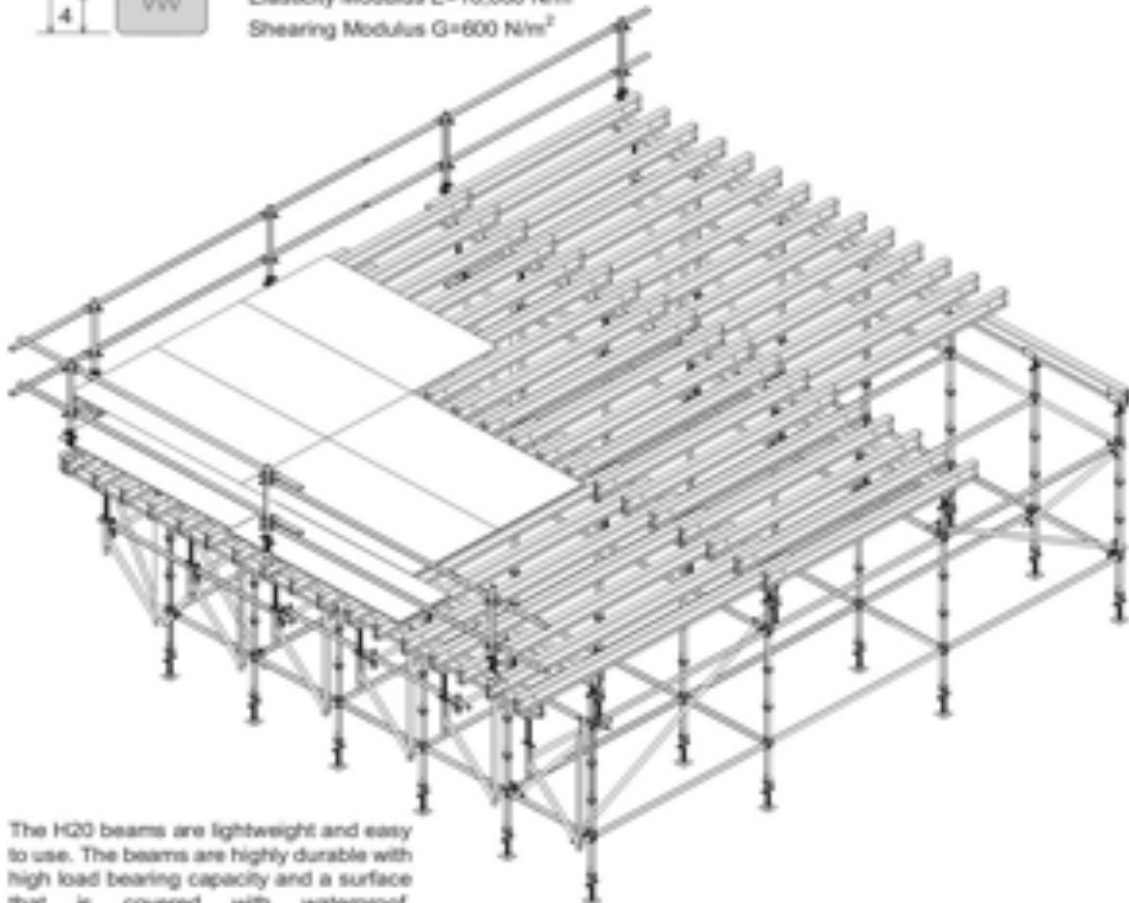
The H20 beams are rounded at the end for damage protection with sealed ends and minimal cracking. The beam is robust made with three-ply web of solid wood ( EN 13353 ).

#### H20 Product Range

Length: 190, 245, 250, 265, 275, 290, 300, 330, 360, 390, 450, 490, 590 cm, special lengths up to 12 m are possible.



Shear force  $Q=11.0 \text{ kN}$   
 Bending Moment  $M=5.0 \text{ kN}$   
 Section Modulus  $S_x=461 \text{ cm}^3$   
 Moment of Inertia  $I_x=4613 \text{ cm}^4$   
 Elasticity Modulus  $E=10.000 \text{ N/m}^2$   
 Shearing Modulus  $G=600 \text{ N/m}^2$



The H20 beams are lightweight and easy to use. The beams are highly durable with high load bearing capacity and a surface that is covered with waterproof, environmentally friendly impregnation.

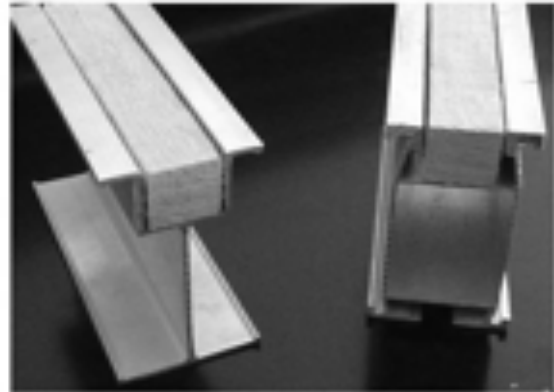
### CUPLOCK SYSTEM TECHNICAL DATA

## Aluminum Beams

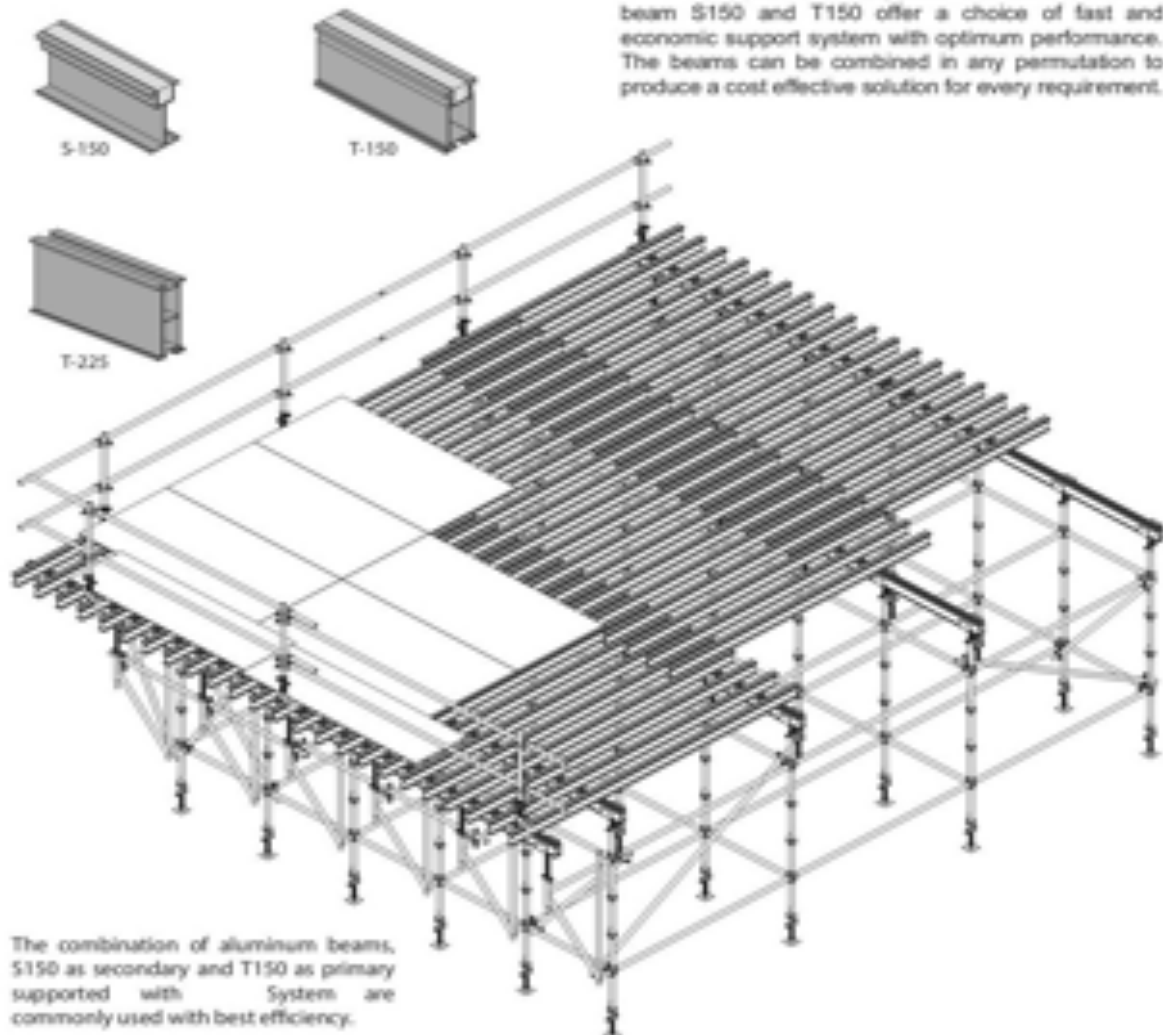
The benefits of aluminum formwork products compared with their steel and timber equivalents have had a major impact on formwork practice.

The light weight of aluminum beams which can weigh as little as one-third of their steel equivalent opens the way to greatly increased site acceptance and productivity. The corrosion resistance of aluminum ensures a long maintenance-free life, further extended by the fact that it cannot be easily cut up on site like timber beams.

The two factors of productivity and long material life combine to explain the increasing trend towards the adoption of aluminum formwork system for both small and large sites.



For soffit applications, with aluminum beam S150 and T150 offer a choice of fast and economic support system with optimum performance. The beams can be combined in any permutation to produce a cost effective solution for every requirement.



The combination of aluminum beams, S150 as secondary and T150 as primary supported with System are commonly used with best efficiency.
































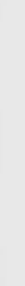
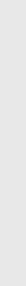
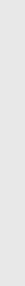
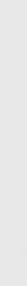






















































































FIGURE 12 CUPLOCK SYSTEM WITH H20 &amp; ALUNINUM BEAMS





## CUPLOCK SYSTEM TECHNICAL DATA







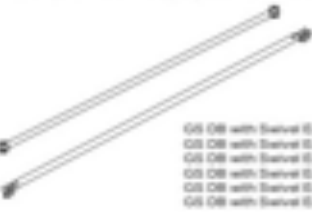


	Wt. (kg)	Code
<b>Standard</b>		
	Standard 300 cm	13.80
	Standard 250 cm	11.50
	Standard 200 cm	9.20
	Standard 150 cm	6.90
	Standard 100 cm	4.61
	Standard 50 cm	2.31
	Standard 280 cm	13.13
	Standard 230 cm	10.83
	Standard 180 cm	8.53
	Standard 130 cm	6.23
	Standard 80 cm	3.94
	Standard 30 cm	1.64
	Standard 250 cm	11.50
	Standard 200 cm	9.20
	Standard 150 cm	6.90
	Standard 100 cm	4.61
	Standard 50 cm	2.31
<b>Ledger</b>		
	Ledger 300 cm	9.64
	Ledger 250 cm	8.07
	Ledger 200 cm	7.76
	Ledger 150 cm	6.81
	Ledger 100 cm	6.50
	Ledger 50 cm	5.67
	Ledger 300 cm	9.64
	Ledger 250 cm	8.07
	Ledger 200 cm	7.76
	Ledger 150 cm	6.81
	Ledger 100 cm	6.50
	Ledger 50 cm	5.67
	Ledger 300 cm	9.64
	Ledger 250 cm	8.07
	Ledger 200 cm	7.76
	Ledger 150 cm	6.81
	Ledger 100 cm	6.50
	Ledger 50 cm	5.67
<b>Drophead</b>		
	Drophead 20 cm (3.8)	5.26
	Drophead 20 cm (2.8)	5.22
<b>Drophead Welded with Socket Base</b>		
	Drophead 20 cm (3.8)	5.53
	Drophead 20 cm (2.8)	5.49
<b>Socket Base Adaptor (SBA)</b>		
	SBA Painted	1.38
	SBA Painted	1.41
	SBA Painted	1.43
	Adaptor 30 cm Painted	2.65
	Adaptor 30 cm Painted	2.65
	Adaptor 30 cm Painted	2.71
	Adaptor 30 cm Painted	2.82
<b>Base Jack (BJ)</b>		
	BJ 50mm H4F 12x12mm-38 Dia.	5.16
	BJ 50mm H4F 15x15mm-38 Dia.	5.52
	BJ 75mm H4F 12x12mm-38 Dia.	5.51
	BJ 75mm H4F 15x15mm-38 Dia.	5.87
	BJ 50mm H4E 12x12mm-38 Dia.	5.16
	BJ 50mm H4E 15x15mm-38 Dia.	5.52
	BJ 75mm H4E 12x12mm-38 Dia.	5.51
	BJ 75mm H4E 15x15mm-38 Dia.	5.87

	Wt. (kg)	Code
<b>Universal Jack (UJ)</b>		
	UJ - 65 cm Painted	2.51
	UJ - 76 cm Painted	2.67
	UJ - 86 cm Painted	3.19
	UJ - 65 cm EP	2.51
	UJ - 76 cm EP	2.67
	UJ - 86 cm EP	3.19
	UJ - 65 cm Painted White	2.51
	UJ - 76 cm Painted White	2.67
	UJ - 86 cm Painted White	3.19
	UJ - 65 cm EP White	2.51
	UJ - 76 cm EP White	2.67
	UJ - 86 cm EP White	3.19
<b>Universal Jack with Two Nut (UJ - TN)</b>		
	UJ - TN 65 cm Painted	2.94
	UJ - TN 76 cm Painted	3.30
	UJ - TN 86 cm EP	2.94
	UJ - TN 76 cm EP	3.30
	UJ - TN 65 cm Painted White	2.94
	UJ - TN 76 cm Painted White	3.30
	UJ - TN 65 cm EP White	2.94
	UJ - TN 76 cm EP White	3.30
<b>Decking Beam (DB)</b>		
	DB 250 cm	22.81
	DB 200 cm	16.40
	DB 150 cm	16.75
	DB 120 cm	11.52
<b>Infill Beam (IB)</b>		
	IB 170 cm Painted	7.50
	IB 150 cm Painted	6.71
	IB 140 cm Painted	6.21
	IB 120 cm Painted	5.52
	IB 110 cm Painted	5.13
	IB 100 cm Painted	4.73
	IB 90 cm Painted	4.33
	IB 80 cm Painted	3.94
	IB 70 cm Painted	3.54
	IB 60 cm Painted	3.15
	IB 50 cm Painted	2.75
<b>Spigot Connector (SC)</b>		
	SC Round with Bolts - P	0.96
	SC Square with Bolts - P	0.66
	SC Wt washer - P	0.70
	SC Wt washer & Bolts - P	0.84
	SC Round with Bolts - EP	0.96
	SC Square with Bolts - EP	0.66
	SC Wt washer - EP	0.70
	SC Wt washer & Bolts - EP	0.84
<b>U-Head Adjustable (UHA)</b>		
	UHA 38H165 cm 10x10x15 P	4.59
	UHA 38H165 cm 10x17x15 P	5.06
	UHA 38H165 cm 10x17x20 P	5.91
	UHA 38H165 cm 10x19x20 P	6.09
	UHA 38H165 cm 10x21x20 P	6.27
	UHA 38H176 cm 10x10x15 P	4.95
	UHA 38H176 cm 10x17x15 P	5.42
	UHA 38H176 cm 10x17x20 P	6.27
	UHA 38H176 cm 10x19x20 P	6.45
	UHA 38H176 cm 10x21x20 P	6.62
	UHA 38H165 cm 10x10x15 E	4.59
	UHA 38H165 cm 10x17x15 E	5.06
	UHA 38H165 cm 10x17x20 E	5.91
	UHA 38H165 cm 10x19x20 E	6.09
	UHA 38H165 cm 10x21x20 E	6.27
	UHA 38H176 cm 10x10x15 E	4.95
	UHA 38H176 cm 10x17x15 E	5.42
	UHA 38H176 cm 10x17x20 E	6.27
	UHA 38H176 cm 10x19x20 E	6.45
	UHA 38H176 cm 10x21x20 E	6.62

## CUPLOCK SYSTEM TECHNICAL DATA

	Wt. (kg)	Code		Wt. (kg)	Code
<b>Base Plate (BP)</b>  BP 15x15x40 ST MD (Dia 27x25x100) Painted 0.17 BP 15x15x40 ST MD (Dia 27x25x100) Painted 1.13 BP 15x15x40 75 HD (Dia 36x36x100) Painted 1.22 BP 15x15x40 75 HD (Dia 36x36x100) Painted 1.71			<b>Hop-Up Bracket</b>  Hop-Up Bracket - 3 Boards 7.12 Hop-Up Bracket - 2 Boards 5.77 Finish: Painted Tube dia: 48.3mm		
<b>Forkhead (FH)</b>  FH 48x41/2 Size: 10x10x15 Painted 2.48 FH 48x41/2 Size: 10x17x15 Painted 2.95 FH 48x41/2 Size: 10x17x20 Painted 3.80 FH 48x41/2 Size: 10x19x20 Painted 3.98 FH 48x41/2 Size: 10x21x20 Painted 4.16 48.3mm x 40mm tube Attached with 16mm/20mm bolt & nut (not supplied) Finish: Painted			<b>Guardrail Frame</b>  Guardrail Frame 10.26		
<b>Braced Forkhead (BFH)</b>  BFH 48x41/2 Size: 10x10x15 Painted 3.42 BFH 48x41/2 Size: 10x17x15 Painted 3.89 BFH 48x41/2 Size: 10x17x20 Painted 4.74 BFH 48x41/2 Size: 10x19x20 Painted 4.92 BFH 48x41/2 Size: 10x21x20 Painted 5.10 Attached with 16mm/20mm bolt & nut (not supplied) Finish: Painted			<b>Scaffold Tube (ST) Painted</b> <b>M.D. Tube</b>  ST 1500 cm MD 2.28 ST 1500 cm MD 3.42 ST 2000 cm MD 4.57 ST 2500 cm MD 5.71 ST 3000 cm MD 6.85 ST 3500 cm MD 7.99 ST 4000 cm MD 9.13 ST 4500 cm MD 10.27 ST 5000 cm MD 11.42 ST 5500 cm MD 12.56 ST 6000 cm MD 13.70 Finish: Painted Dia: 48.3 mm		
<b>Supporting Forkhead (SFH)</b>  SFH 38 Painted 2.16 SFH 10x17x20 Painted 3.88			<b>M.D. Tube</b>  ST 1500 cm HD 3.35 ST 1500 cm HD 5.03 ST 2000 cm HD 6.70 ST 2500 cm HD 8.38 ST 3000 cm HD 10.05 ST 3500 cm HD 11.73 ST 4000 cm HD 13.41 ST 4500 cm HD 15.08 ST 5000 cm HD 16.76 ST 5500 cm HD 18.43 ST 6000 cm HD 20.11 Finish: Painted Dia: 48.3 mm		
<b>Universal Forkhead (UPH)</b>  UPH 1425 Painted 3.10 UPH Alum. Painted 2.83 Universal Forkhead HD Universal Forkhead Alum			<b>Scaffold Tube (ST) Black</b> <b>M.D. Tube</b>  ST 1500 cm MD 2.28 ST 1500 cm MD 3.42 ST 2000 cm MD 4.57 ST 2500 cm MD 5.71 ST 3000 cm MD 6.85 ST 3500 cm MD 7.99 ST 4000 cm MD 9.13 ST 4500 cm MD 10.27 ST 5000 cm MD 11.42 ST 5500 cm MD 12.56 ST 6000 cm MD 13.70 Finish: Black Dia: 48.3 mm		
<b>Cantilever Beam Frame (CBF)</b>  CBF 1000cm 18.27 CBF 1000cm 13.37 Finish: Painted Tube dia: 48.3mm			<b>M.D. Tube</b>  ST 1500 cm HD 3.35 ST 1500 cm HD 5.03 ST 2000 cm HD 6.70 ST 2500 cm HD 8.38 ST 3000 cm HD 10.05 ST 3500 cm HD 11.73 ST 4000 cm HD 13.41 ST 4500 cm HD 15.08 ST 5000 cm HD 16.76 ST 5500 cm HD 18.43 ST 6000 cm HD 20.11 Finish: Black Dia: 48.3 mm		
<b>Cantilever Frame (CF)</b>  CF 1000cm 16.08 CF 1000cm 14.83 Finish: Painted Tube dia: 48.3mm			<b>Scaffold Tube (ST) GI</b> <b>M.D. Tube</b>  ST 1500 cm MD 2.28 ST 1500 cm MD 3.42 ST 2000 cm MD 4.57 ST 2500 cm MD 5.71 ST 3000 cm MD 6.85 ST 3500 cm MD 7.99 ST 4000 cm MD 9.13 ST 4500 cm MD 10.27 ST 5000 cm MD 11.42 ST 5500 cm MD 12.56 ST 6000 cm MD 13.70 Finish: GI Dia: 48.3 mm		
<b>Beam Bracket</b>  Beam Bracket 1500cm 6.08 Beam Bracket 1000 cm 4.41 Finish: Painted Tube dia: 48.3mm					

## CUPLOCK SYSTEM TECHNICAL DATA

H.D. Tube		WT (kg)	Length
			
Ø7 100 cm HD	3.26		
Ø7 150 cm HD	5.93		
Ø7 200 cm HD	8.70		
Ø7 250 cm HD	8.38		
Ø7 300 cm HD	10.25		
Ø7 350 cm HD	11.73		
Ø7 400 cm HD	13.41		
Ø7 450 cm HD	15.08		
Ø7 500 cm HD	16.76		
Ø7 550 cm HD	18.43		
Ø7 600 cm HD	20.11		
Scaffold Couplers			
			
DC 1.5"x1.5" (ØF)	0.88		
DC 2.0"x1.5" (ØF)	1.29		
DC 1.5"x1.5" (Pressed)	0.73		
			
SC 1.5"x1.5" (ØF)	1.10		
SC 2.0"x1.5" (ØF)	1.29		
SC 1.5"x1.5" (Pressed)	0.88		
H2S Timber Beam (TB)		WT (kg)	Length
			
H2S TB-(200x80) Ø125 cm	6.25		
H2S TB-(200x80) Ø140 cm	7.25		
H2S TB-(200x80) Ø160 cm	8.25		
H2S TB-(200x80) Ø180 cm	9.25		
H2S TB-(200x80) Ø200 cm	11.25		
H2S TB-(200x80) Ø220 cm	12.25		
H2S TB-(200x80) Ø240 cm	13.25		
H2S TB-(200x80) Ø260 cm	14.25		
H2S TB-(200x80) Ø280 cm	14.75		
H2S TB-(200x80) Ø300 cm	16.50		
H2S TB-(200x80) Ø320 cm	18.50		
H2S TB-(200x80) Ø340 cm	19.50		
H2S TB-(200x80) Ø360 cm	22.50		
H2S TB-(200x80) Ø400 cm	24.50		
H2S TB-(200x80) Ø450 cm	29.50		
H2S TB-(200x80) T 100 cm	58.50		
Finish: Hot Dip Galvanized			
Roughness and rounded at the end for damage protection (Hot-dip galvanized steel)			
Weight: 2 kg per running meter			
Aluminum Beam (AB) T150		WT (kg)	Length
			
With Timber			
AB T-150-(150 x 80) 090 cm	2.90		
AB T-150-(150 x 80) 075 cm	4.37		
AB T-150-(150 x 80) 100 cm	5.83		
AB T-150-(150 x 80) 125 cm	7.29		
AB T-150-(150 x 80) 150 cm	8.75		
AB T-150-(150 x 80) 175 cm	10.21		
AB T-150-(150 x 80) 200 cm	11.68		
AB T-150-(150 x 80) 225 cm	13.12		
AB T-150-(150 x 80) 250 cm	14.58		
AB T-150-(150 x 80) 275 cm	16.03		
AB T-150-(150 x 80) 300 cm	17.49		
AB T-150-(150 x 80) 325 cm	18.95		
AB T-150-(150 x 80) 350 cm	20.41		
AB T-150-(150 x 80) 375 cm	21.88		
AB T-150-(150 x 80) 400 cm	23.32		
AB T-150-(150 x 80) 425 cm	24.78		
AB T-150-(150 x 80) 450 cm	26.24		
AB T-150-(150 x 80) 475 cm	27.69		
AB T-150-(150 x 80) 500 cm	29.15		
AB T-150-(150 x 80) 525 cm	30.61		
AB T-150-(150 x 80) 550 cm	32.07		
AB T-150-(150 x 80) 575 cm	33.52		
AB T-150-(150 x 80) 600 cm	34.98		
Without Timber			
AB T-150-(150 x 80) 090 cm	2.54		
AB T-150-(150 x 80) 075 cm	3.81		
AB T-150-(150 x 80) 100 cm	5.08		
AB T-150-(150 x 80) 125 cm	6.35		
AB T-150-(150 x 80) 150 cm	7.62		
AB T-150-(150 x 80) 175 cm	8.89		
AB T-150-(150 x 80) 200 cm	10.16		
AB T-150-(150 x 80) 225 cm	11.43		
AB T-150-(150 x 80) 250 cm	12.70		
AB T-150-(150 x 80) 275 cm	13.97		
AB T-150-(150 x 80) 300 cm	15.24		
AB T-150-(150 x 80) 325 cm	16.51		
AB T-150-(150 x 80) 350 cm	17.78		
AB T-150-(150 x 80) 375 cm	19.05		
AB T-150-(150 x 80) 400 cm	20.32		
AB T-150-(150 x 80) 425 cm	21.59		
AB T-150-(150 x 80) 450 cm	22.86		
AB T-150-(150 x 80) 475 cm	24.13		
AB T-150-(150 x 80) 500 cm	25.40		
AB T-150-(150 x 80) 525 cm	26.67		
AB T-150-(150 x 80) 550 cm	27.94		
AB T-150-(150 x 80) 575 cm	29.21		
AB T-150-(150 x 80) 600 cm	30.48		
Finish: Hot Dip Galvanized			
Roughness and rounded at the end for damage protection (Hot-dip galvanized steel)			
Weight: 2 kg per running meter			
Aluminum Beam (AB) S150		WT (kg)	Length
			
With Timber			
AB S-150-(150 x 75) 090 cm	1.95		
AB S-150-(150 x 75) 075 cm	2.93		
AB S-150-(150 x 75) 100 cm	3.90		
AB S-150-(150 x 75) 125 cm	4.88		
AB S-150-(150 x 75) 150 cm	5.85		
AB S-150-(150 x 75) 175 cm	6.83		
AB S-150-(150 x 75) 200 cm	7.80		
AB S-150-(150 x 75) 225 cm	8.78		
AB S-150-(150 x 75) 250 cm	9.75		
AB S-150-(150 x 75) 275 cm	10.73		
AB S-150-(150 x 75) 300 cm	11.70		
AB S-150-(150 x 75) 325 cm	12.68		
AB S-150-(150 x 75) 350 cm	13.65		
AB S-150-(150 x 75) 375 cm	14.63		
AB S-150-(150 x 75) 400 cm	15.60		
AB S-150-(150 x 75) 425 cm	16.58		
AB S-150-(150 x 75) 450 cm	17.55		
AB S-150-(150 x 75) 475 cm	18.53		
AB S-150-(150 x 75) 500 cm	19.50		
AB S-150-(150 x 75) 525 cm	20.48		
AB S-150-(150 x 75) 550 cm	21.45		
AB S-150-(150 x 75) 575 cm	22.43		
AB S-150-(150 x 75) 600 cm	23.40		
Without Timber			
AB S-150-(150 x 75) 090 cm	1.58		
AB S-150-(150 x 75) 075 cm	2.36		
AB S-150-(150 x 75) 100 cm	3.15		
AB S-150-(150 x 75) 125 cm	3.94		
AB S-150-(150 x 75) 150 cm	4.73		
AB S-150-(150 x 75) 175 cm	5.51		
AB S-150-(150 x 75) 200 cm	6.30		
AB S-150-(150 x 75) 225 cm	7.09		
AB S-150-(150 x 75) 250 cm	7.88		
AB S-150-(150 x 75) 275 cm	8.66		
AB S-150-(150 x 75) 300 cm	9.45		
AB S-150-(150 x 75) 325 cm	10.24		
AB S-150-(150 x 75) 350 cm	11.03		
AB S-150-(150 x 75) 375 cm	11.81		
AB S-150-(150 x 75) 400 cm	12.60		
AB S-150-(150 x 75) 425 cm	13.39		
AB S-150-(150 x 75) 450 cm	14.18		
AB S-150-(150 x 75) 475 cm	14.96		
AB S-150-(150 x 75) 500 cm	15.75		
AB S-150-(150 x 75) 525 cm	16.54		
AB S-150-(150 x 75) 550 cm	17.33		
AB S-150-(150 x 75) 575 cm	18.11		
AB S-150-(150 x 75) 600 cm	18.90		
Finish: Hot Dip Galvanized			
Roughness and rounded at the end for damage protection (Hot-dip galvanized steel)			
Weight: 2 kg per running meter			
GS Diagonal Brace (DB) With Swivel Ends		WT (kg)	Length
			
GS DB with Swivel Ends 250 cm	8.48		
GS DB with Swivel Ends 230 cm	8.84		
GS DB with Swivel Ends 200 cm	9.20		
GS DB with Swivel Ends 180 cm	9.57		
GS DB with Swivel Ends 160 cm	10.21		
GS DB with Swivel Ends 140 cm	10.25		
Transom		WT (kg)	Length
			
Pointed			
Transom 880 cm - 3mm	4.09		
Transom 870 cm - 3mm	4.40		
Transom 860 cm - 3mm	4.72		
Transom 850 cm - 3mm	5.03		
Transom 840 cm - 3mm	5.34		
Transom 830 cm - 3mm	5.66		
Transom 820 cm - 3mm	5.97		
Transom 810 cm - 3mm	6.29		
Transom 800 cm - 3mm	6.60		
Transom 790 cm - 3mm	7.23		
Transom 780 cm - 3mm	7.86		
Transom 770 cm - 3mm	8.49		
Transom 760 cm - 3mm	8.80		
Transom 750 cm - 3mm	9.14		
Transom 740 cm - 3mm	10.06		
Finish: Painted + EUP + Hot Dip Galvanized			
Tube dia: 48.3mm			
Anchor Plate (AP)		WT (kg)	Length
			
AP-100 cm Painted	3.57		
AP-160 cm Painted	4.57		
AP-150 cm Painted	7.09		
AP-180 cm Painted	8.59		
Finish: Painted			



## CUPLOCK SYSTEM TECHNICAL DATA

Steel Staircase (SS)		Wt. (kg)	Code
	Painted		
	SS-2500H x 2000W x 100D (H x W x D)	75.76	
	SS-2500H x 2000W x 100D (H x W x D)	82.04	
	SS-2500H x 2000W x 100D (H x W x D)	88.32	
	SS-2500H x 2000W x 100D (H x W x D)	94.60	
	SS-2500H x 2000W x 100D (H x W x D)	100.88	
	Painted		
	SS-1800H x 1800W x 100D (H x W x D)	67.87	
	SS-1800H x 1800W x 100D (H x W x D)	71.88	
	SS-1800H x 1800W x 100D (H x W x D)	75.89	
Steel Board (SB)			
	(a) Type with hook		
	SB-1800 cm Painted	6.88	
	SB-1875 cm Painted	6.88	
	SB-1950 cm Painted	7.88	
	SB-2025 cm Painted	7.88	
	SB-2100 cm Painted	8.88	
	SB-2175 cm Painted	8.88	
	SB-2250 cm Painted	9.88	
	SB-2325 cm Painted	10.88	
	SB-2400 cm Painted	11.88	
	SB-2475 cm Painted	12.88	
	SB-2550 cm Painted	13.88	
	(b) Type with hook		
	SB-1800 cm Painted	14.77	
	SB-1875 cm Painted	15.77	
	SB-1950 cm Painted	16.77	
	SB-2025 cm Painted	17.77	
	SB-2100 cm Painted	18.77	
	SB-2175 cm Painted	19.77	
	SB-2250 cm Painted	20.77	
	SB-2325 cm Painted	21.77	
	SB-2400 cm Painted	22.77	
	SB-2475 cm Painted	23.77	
	SB-2550 cm Painted	24.77	
	(c) Type with hook		
	SB-1800 cm Painted	4.34	
	SB-1875 cm Painted	4.34	
	SB-1950 cm Painted	5.34	
	SB-2025 cm Painted	5.34	
	SB-2100 cm Painted	6.34	
	SB-2175 cm Painted	6.34	
	SB-2250 cm Painted	7.34	
	SB-2325 cm Painted	7.34	
	SB-2400 cm Painted	8.34	
	SB-2475 cm Painted	9.34	
	SB-2550 cm Painted	10.34	
	(d) Type with hook		
	SB-1800 cm Painted	11.77	
	SB-1875 cm Painted	12.77	
	SB-1950 cm Painted	13.77	
	SB-2025 cm Painted	14.77	
	SB-2100 cm Painted	15.77	
	SB-2175 cm Painted	16.77	
	SB-2250 cm Painted	17.77	
	SB-2325 cm Painted	18.77	
	SB-2400 cm Painted	19.77	
	SB-2475 cm Painted	20.77	
	SB-2550 cm Painted	21.77	
	SB-2625 cm Painted	22.77	
Wooden Plank (WP) (Timber Board)			
	WP-38 x 22 x 3000mm	13.70	
	WP-38 x 22 x 3000mm	10.56	
	WP-38 x 22 x 2500mm	8.76	
	WP-38 x 22 x 2000mm	7.60	
	WP-38 x 22 x 1500mm (S. untreated)	4.87	
	WP-38 x 22 x 1000mm (S. untreated)	3.27	
	WP-38 x 22 x 500mm (S. untreated)	1.64	
	WP-38 x 22 x 3000mm (S. untreated)	11.54	
	WP-38 x 22 x 2500mm (S. untreated)	9.85	
	WP-38 x 22 x 2000mm (S. untreated)	8.16	
	WP-38 x 22 x 1500mm (S. untreated)	6.47	
	WP-38 x 22 x 1000mm (S. untreated)	4.78	
End Stop for Wooden Board Protection: 0.05			



# **MIDDLE EAST CORNER SCAFFOLDING**

**MEC TABLE SLAB**

MIDDLE EAST CORNER  
SCAFFOLDING



## MEC. TABLE SLAB

### MEC TABLE SLAB

This system adopts minimum numbers of standard formwork elements. The versatility of the system enables to erect ecoform for any floor geometry. Beams can also be formed efficiently with ecoform.



Tripod

#### Tripod

The Tripod is a separate support for setting up the props. The Tripod can be used for all props. Two legs of the tripod can be rotated so that setting up even in the corners is not a problem. The tripod is easily unfolded, the props are placed in the position and locked in place with the sliding clamp. For transporting, the props are taken out, the tripod folded together and fixed in the closed position.

#### MD, HD and SHD Props

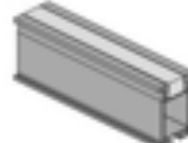
The MD and HD props adopt the 60/48 mm pipe diameter for the outer pipe and inner pipe respectively. The various height range enable the props to be accommodated for most construction applications. SHD props which adopt the 76/60 mm outer pipe and inner pipe respectively, supplies the contractor with very powerful tool for high support capacity.



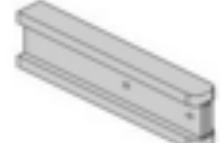
Steel Props

MD & HD Props  
60/48SHD Props  
76/60

Aluminum Beam S150



Aluminum Beam T150



H20 Timber

#### Decking Elements

Both the H20 timber girders or the aluminum girders can be used for decking as primary or secondary members. The characteristic strength of the H20 timber girder and the S150 Aluminum beam is almost the same in spite of the better strength characteristics of the S150 comparing with H20 timber. The contractor has the option to choose according to the site condition and budget. On the other hand the T150 Aluminum beam will enable the contractor to support the fresh concrete with larger spans due to the high strength characteristics of the profile.

#### Universal Forkhead

Two types of universal forkheads are available which can be used with H20 girders or aluminum girders. It stabilizes the longitudinal girders against tilting. One or two girders can be used. The forkhead can be attached to props with bolt and nut.



Supporting Head

#### Supporting Forkhead

The supporting forkhead allows for the central load distribution. It is assembled on prop with bolt and nut.



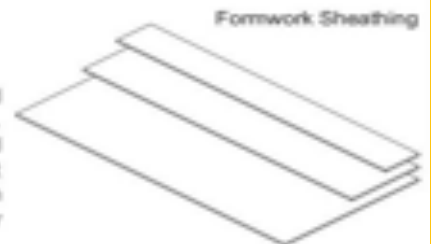
Universal Forkhead H20



Universal Forkhead Alum

#### Formwork Sheathing

The 18 mm marine plywood can be used as formwork sheathing. The standard sheet 2440mmx1220mm can be slitted in to standard strips without any wastage. On the other hand, the standard Plastic Sheets 2440mmx1220mm can be used also under same usage conditions. The plastic sheets will provide very efficient and durable formwork sheathing which can be used for many projects and can also be kept in stock due to the ability of plastic sheet to be used for many casting cycles.



## MEC. TABLE SLAB

### Design Table (For H20 Timber and Alum. S150 Girders)

The existing slab thickness and the selected secondary beam spacing, which depends upon the type and size of the selected formwork sheathing, determine the maximum permitted distance between primary beams. Using the selected primary beam spacing and slab thickness, the maximum permitted distance between props for the primary beam axis can then be determined. All the figures necessary for the efficient use of ecoform formwork can be quickly and precisely determined with the help of the following table.

Slab Thick. mm	Loading kN/m <sup>2</sup>	Distance Between Secondary Girders		Selected Distance Between Primary Girders (m)									
		(A)		(B)									
		18 mm Plywood	21 mm Plywood	1.80	1.25	1.50	1.75	2.00	2.25	2.50	3.00	3.50	
		400 (mm)	500 (mm)	Max. Permitted c/c Supports Span in Meter for the Primary Girders + Props Spacings									
				(C)									
100	4.50	3.83	3.87	2.91	2.70	2.48	2.29	2.14	2.02	1.92	1.69	1.44	
120	5.00	3.63	3.47	2.75	2.55	2.34	2.17	2.03	1.91	1.81	1.51	1.29	
140	5.50	3.47	3.30	2.62	2.43	2.22	2.06	1.93	1.81	1.63	1.36	1.17	
160	6.00	3.33	3.17	2.50	2.33	2.12	1.97	1.84	1.65	1.49	1.24	1.06	
180	6.50	3.21	3.05	2.42	2.23	2.04	1.89	1.71	1.52	1.37	1.14	0.98	
200	7.00	3.11	2.95	2.34	2.15	1.96	1.81	1.58	1.41	1.27	1.06	0.90	
220	7.50	3.02	2.86	2.27	2.07	1.89	1.68	1.47	1.31	1.18	0.98	0.84	
240	8.00	2.94	2.79	2.21	2.00	1.83	1.57	1.38	1.22	1.10	0.92	0.79	
260	8.50	2.86	2.72	2.15	1.94	1.77	1.48	1.29	1.15	1.03	0.86	0.74	
280	9.00	2.80	2.65	2.10	1.88	1.62	1.39	1.22	1.08	0.97	0.81	0.70	
300	9.50	2.74	2.59	2.04	1.82	1.53	1.31	1.14	1.02	0.92	0.76	0.65	
350	10.75	2.62	2.47	1.89	1.58	1.31	1.13	0.98	0.88	0.79	0.66	0.56	
400	12.00	2.50	2.36	1.73	1.38	1.15	0.99	0.86	0.77	0.69	0.58	0.49	
450	13.25	2.41	2.27	1.54	1.23	1.03	0.88	0.77	0.68	0.62	0.51	0.44	
500	14.50	2.32	2.20	1.39	1.11	0.93	0.79	0.69	0.62	0.56	0.46	0.40	
550	15.75	2.20	2.13	1.26	1.01	0.84	0.72	0.63	0.56	0.51	0.42	0.36	
600	17.00	2.15	2.05	1.16	0.93	0.77	0.66	0.58	0.52	0.46	0.39	0.33	
650	18.25	2.06	1.97	1.07	0.86	0.71	0.61	0.54	0.48	0.43	0.36	0.31	
700	19.50	1.98	1.90	1.00	0.80	0.66	0.57	0.50	0.44	0.40	0.33	0.28	

Total load assumed in the following way:

Weight of concrete 25 kN/m<sup>3</sup>

Concrete load  $25.0 \times 1$  [kN/m<sup>2</sup>] [= Slab Thickness (m)]

Dead load of formwork  $0.25 + 0.25 = 0.5$  kN/m<sup>2</sup>

Live load 1.50 kN/m<sup>2</sup>

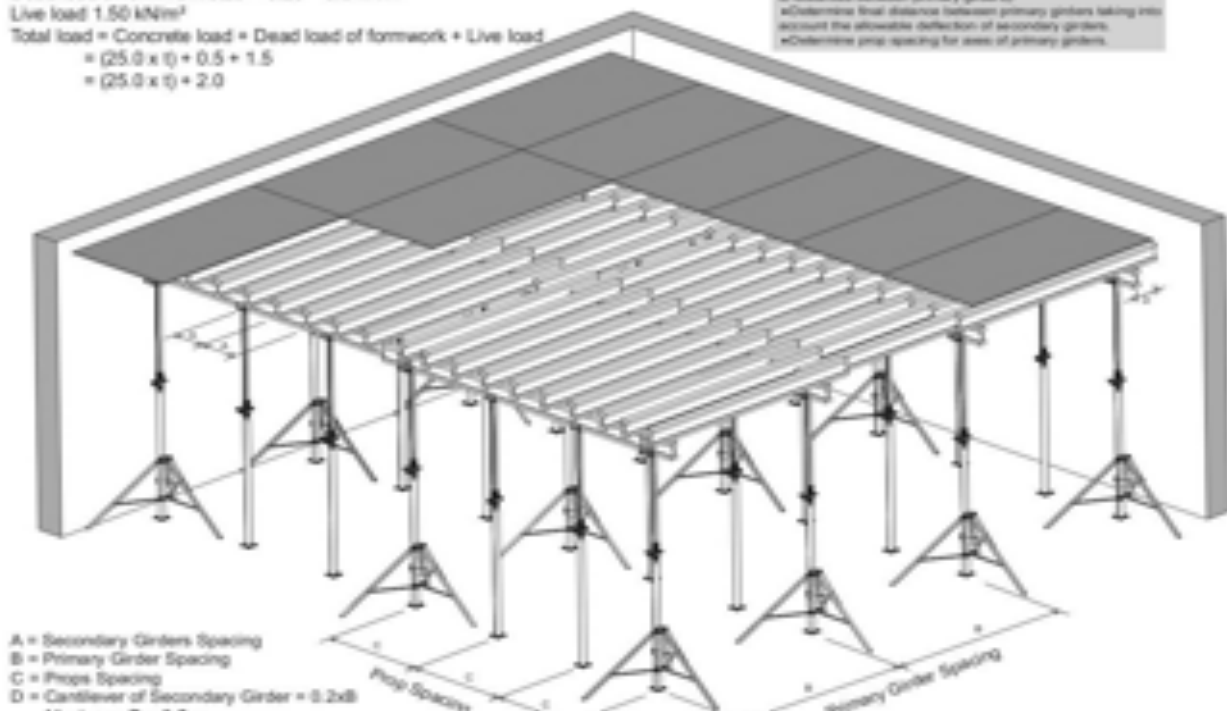
Total load = Concrete load + Dead load of formwork + Live load

$$= (25.0 \times 1) + 0.5 + 1.5$$

$$= (25.0 \times 1) + 2.0$$

#### Tips for the use of Design Table:

- Select slab thickness.
- Determine secondary beam spacing "A" taking into account type of formwork sheathing.
- Determine max. span of secondary girder (this is equal to distance between primary girders).
- Determine final distance between primary girders taking into account the allowable deflection of secondary girders.
- Determine prop spacing for axis of primary girders.



**MEC. TABLE SLAB**



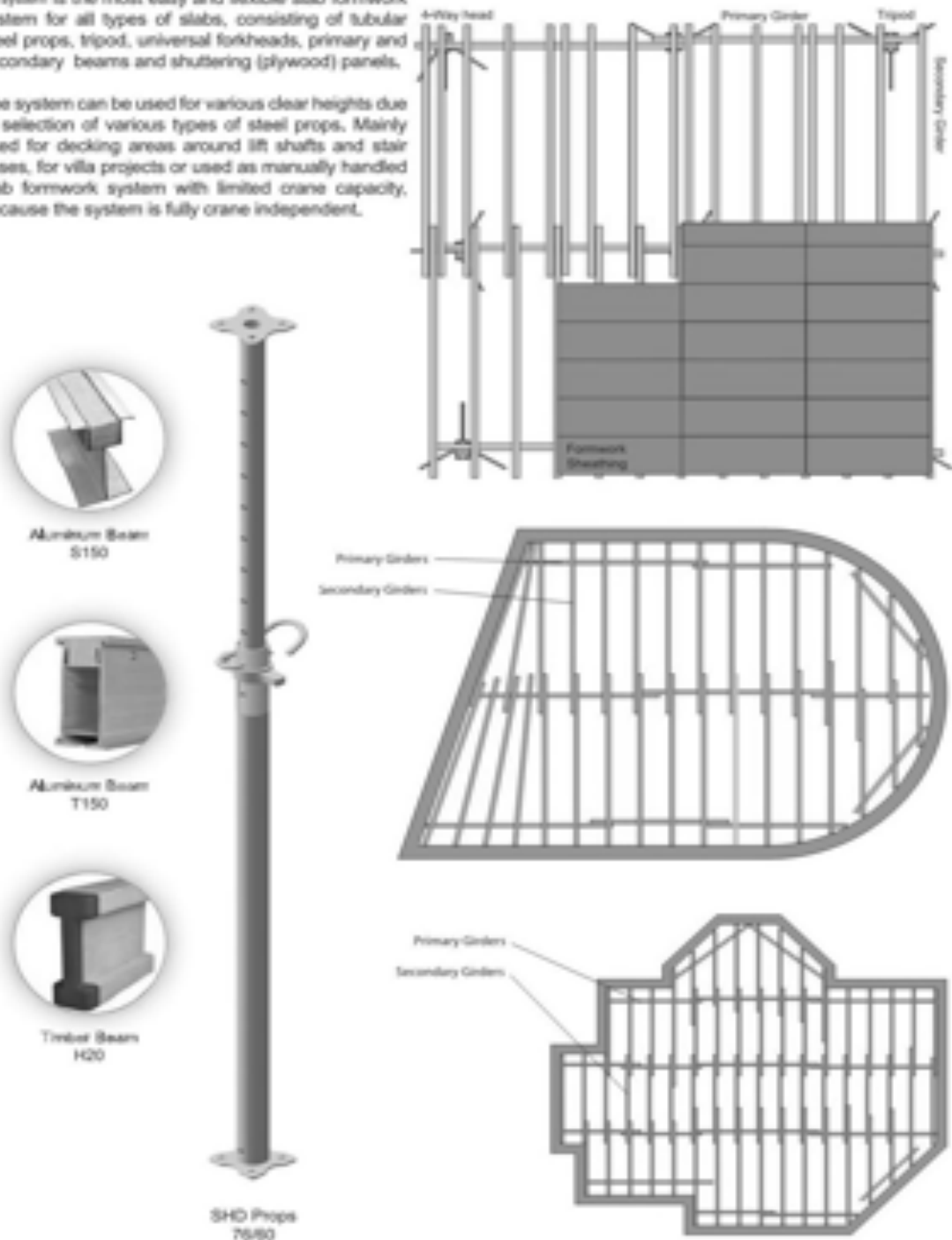


## MEC. TABLE SLAB

### CHOICE BETWEEN ALU. & H20 BEAMS

The system is the most easy and flexible slab formwork system for all types of slabs, consisting of tubular steel props, tripod, universal forkheads, primary and secondary beams and shuttering (plywood) panels.

The system can be used for various clear heights due to selection of various types of steel props. Mainly used for decking areas around lift shafts and stair cases, for villa projects or used as manually handled slab formwork system with limited crane capacity, because the system is fully crane independent.





## MEC. TABLE SLAB

### MEC PROPS JACK

Adjustable props are economical and popular instruments used to support concrete elements. They provide the best temporary support for all purposes. They are economical to hire or buy, easier and quicker in erection that provides safe load supporting. Single Props are manufactured in two categories "Medium Duty Props" and "Heavy Duty Props". All props can be manufactured in any size on demand, and the rocking top and bottom plate are also available in any size.

Single Prop Load Table	Heavy Duty Single Prop (HD)			Medium Duty Single Prop (MD)			
	Prop Size (cm)	300	350	400	300	350	400
	Approx. Wt. (Kg)	13.80	15.50	16.70	10.00	11.20	12.00

### Single Prop Capacity (kN) - SWL

170 cm	24			14		
180 cm	24			14		
190 cm	24			14		
200 cm	23	22		14	15	
210 cm	22	21		13	14	
220 cm	21	21		13	14	
230 cm	20	21		12	13	
240 cm	20	20		12	13	
250 cm	19	20	20	12	13	13
260 cm	19	19	20	11	12	13
270 cm	18	19	19	11	12	13
280 cm	18	18	19	11	12	12
290 cm	18	18	19	10	12	12
300 cm	17	18	18	10	11	12
310 cm		17	18		11	12
320 cm		15	17		10	11
330 cm		14	17		10	11
340 cm		13	15		10	11
350 cm		12	15		10	10
360 cm			13			10
370 cm			12			9
380 cm			12			9
390 cm			12			8
400 cm						



## MEC. TABLE SLAB

### MEC PROPS CAPACITY AND SAFETY



Prop Nut (HD Prop)



Prop Pin (16mm Dia)



Prop Top &amp; Bottom Plate (75x75 cm)

Axial Load Capacity with Safety Factor = 2.0

30  
KCN



Prop 4.0 M

24  
KCN



Prop 5.0 M

#### 3.50 m Prop

Description	Super Heavy Duty Prop 3.5 m Painted 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 3.5 m EP Coiler 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 3.5 m Fully Electroplated 205 cm - 360 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	23.0	23.0	23.0

#### 4.00 m Prop

Description	Super Heavy Duty Prop 4.0 m Painted 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.0 m EP Coiler 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.0 m Fully Electroplated 230 cm - 410 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	25.3	25.3	25.3

#### 4.50 m Prop

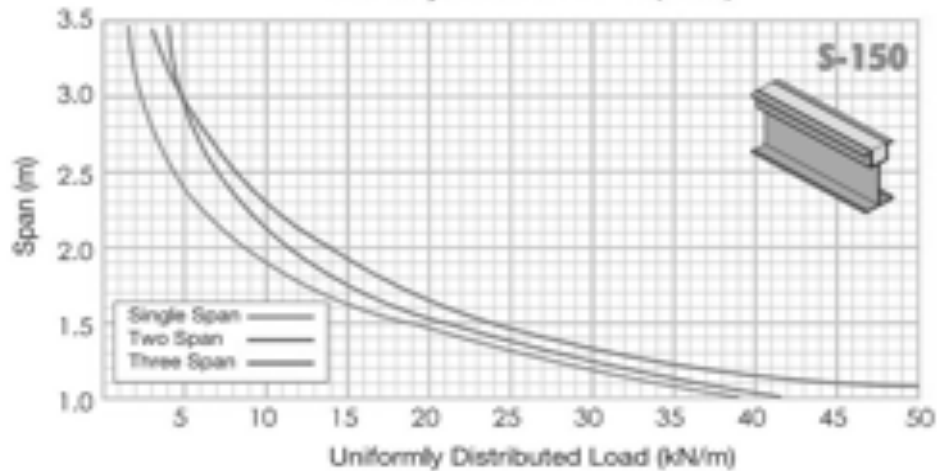
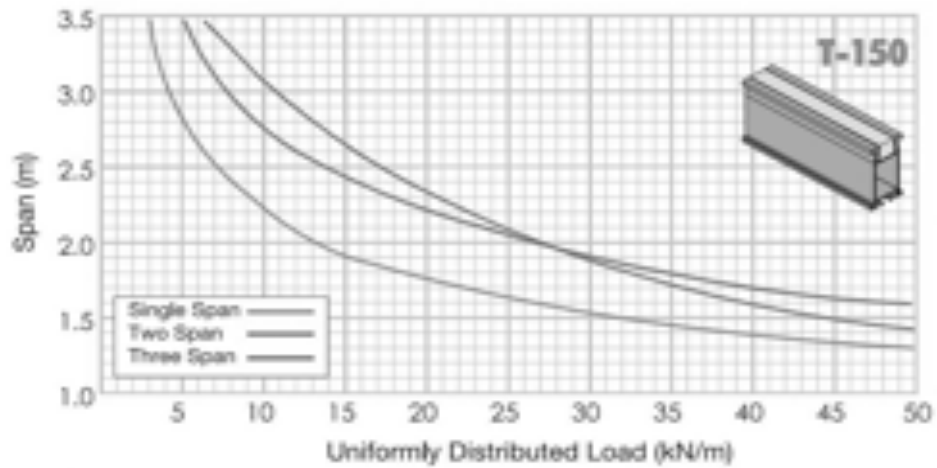
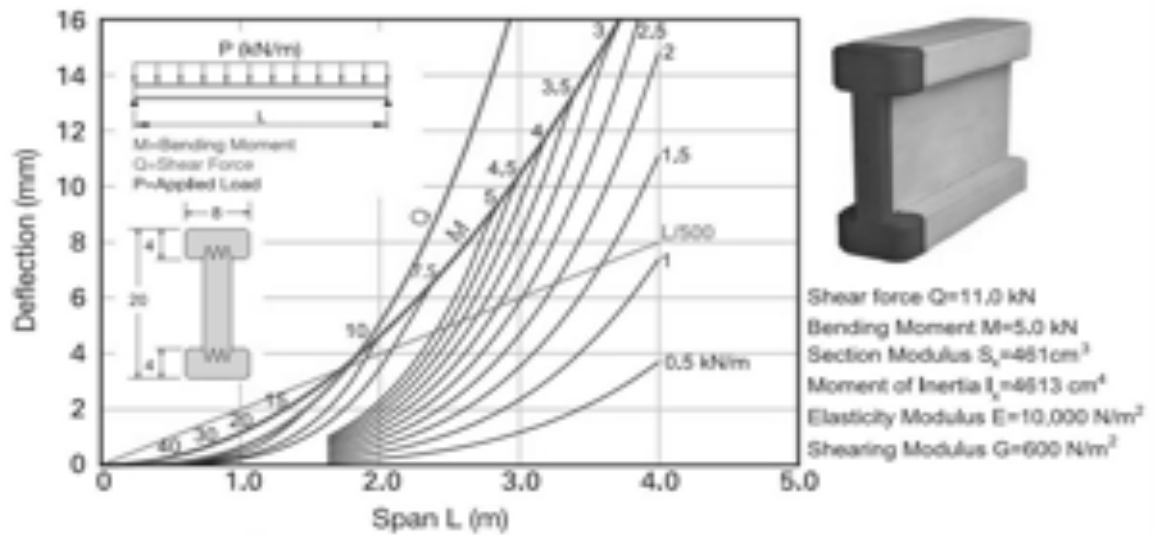
Description	Super Heavy Duty Prop 4.5 m Painted 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.5 m EP Coiler 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 4.5 m Fully Electroplated 260 cm - 460 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	27.5	27.5	27.5

#### 5.00 m Prop

Description	Super Heavy Duty Prop 5.0 m Painted 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 5.0 m EP Coiler 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm	Super Heavy Duty Prop 5.0 m Fully Electroplated 300 cm - 500 cm Outer Tube 76.3 mm Inner Tube 60.3 mm
Approx. Wt.	29.7	29.7	29.7



### MEC. TABLE SLAB





## MEC. TABLE SLAB

## Single Prop Heavy Duty (SPHD) Handle Type EP



Wt. (kg)	Code
SPHD-100 cm EP Collar	6.53
SPHD-150 cm EP Collar	8.27
SPHD-200 cm EP Collar	10.52
SPHD-250 cm EP Collar	12.26
SPHD-300 cm EP Collar	14.52
SPHD-350 cm EP Collar	16.26
SPHD-400 cm EP Collar	20.31
SPHD-450 cm EP Collar	22.06
SPHD-500 cm EP Collar	23.87
SPHD-550 cm EP Collar	25.65
SPHD-100 cm Painted Collar	6.53
SPHD-150 cm Painted Collar	8.27
SPHD-200 cm Painted Collar	10.52
SPHD-250 cm Painted Collar	12.26
SPHD-300 cm Painted Collar	14.52
SPHD-350 cm Painted Collar	16.26
SPHD-400 cm Painted Collar	20.31
SPHD-450 cm Painted Collar	22.06
SPHD-500 cm Painted Collar	23.87
SPHD-550 cm Painted Collar	25.65
SPHD-100 cm Fully EP	6.53
SPHD-150 cm Fully EP	8.27
SPHD-200 cm Fully EP	10.52
SPHD-250 cm Fully EP	12.26
SPHD-300 cm Fully EP	14.52
SPHD-350 cm Fully EP	16.26
SPHD-400 cm Fully EP	20.31
SPHD-450 cm Fully EP	22.06
SPHD-500 cm Fully EP	23.87
SPHD-550 cm Fully EP	25.65

## Single Prop Super Heavy Duty (SPSHD)



SPSHD-1.50 M Painted (180 cm - 300 cm)	20.75
SPSHD-1.50 M Painted (300 cm - 360 cm)	23.03
SPSHD-1.50 M Painted (360 cm - 410 cm)	26.28
SPSHD-1.50 M Painted (410 cm - 450 cm)	27.63
SPSHD-1.50 M Painted (450 cm - 500 cm)	29.69
SPSHD-1.50 M EP Collar (180 cm - 300 cm)	20.75
SPSHD-1.50 M EP Collar (300 cm - 360 cm)	23.03
SPSHD-1.50 M EP Collar (360 cm - 410 cm)	26.28
SPSHD-1.50 M EP Collar (410 cm - 450 cm)	27.63
SPSHD-1.50 M EP Collar (450 cm - 500 cm)	29.69
SPSHD-1.50 M Fully EP (180 cm - 300 cm)	20.75
SPSHD-1.50 M Fully EP (300 cm - 360 cm)	23.03
SPSHD-1.50 M Fully EP (360 cm - 410 cm)	26.28
SPSHD-1.50 M Fully EP (410 cm - 450 cm)	27.63
SPSHD-1.50 M Fully EP (450 cm - 500 cm)	29.69

## Single Prop (SP) GP



SPGP 280cm HD (220-280)GP	11.99
SPGP 280cm HD (220-280)GP	11.99
SPGP 400cm HD (220-400)GP	11.99
SPGP 400cm HD (220-400)GP	11.99
SPGP 280cm HD (220-280)GP	16.33
SPGP 280cm HD (220-280)GP	16.33
SPGP 400cm HD (220-400)GP	16.73
SPGP 400cm HD (220-400)GP	16.73

## H26 Timber Beam (TB)



H26 TB (200x80) 0125 cm	6.25
H26 TB (200x80) 0145 cm	7.25
H26 TB (200x80) 0165 cm	8.25
H26 TB (200x80) 0185 cm	9.00
H26 TB (200x80) 0225 cm	11.25
H26 TB (200x80) 0245 cm	12.25
H26 TB (200x80) 0265 cm	13.25
H26 TB (200x80) 0285 cm	14.50
H26 TB (200x80) 0305 cm	14.75
H26 TB (200x80) 0330 cm	16.50
H26 TB (200x80) 0360 cm	18.00
H26 TB (200x80) 0390 cm	19.00
H26 TB (200x80) 0450 cm	22.50
H26 TB (200x80) 0480 cm	24.50
H26 TB (200x80) 0540 cm	26.50
H26 TB (200x80) 1150 cm	58.50



Profil: H26x80  
Area: 16.47 cm<sup>2</sup>  
I<sub>x</sub>: 55000 cm<sup>4</sup>

Profil: H26x80  
Area: 16.47 cm<sup>2</sup>  
I<sub>x</sub>: 55000 cm<sup>4</sup>

Weight: 1 kg per working meter

## Aluminum Beam (AB) T150

Aluminum Beam T150  
(Center Size: 150mm)Aluminum Beam T150  
(without Trench)

Profil: AB T150

Amount of resistance: 13.50 kN/m  
Area: 16.47 cm<sup>2</sup>  
Inertia: 55.00 cm<sup>4</sup>  
Weight: 1.00 kg/m (with Trench)  
Weight: 0.80 kg/m (without Trench)  
Trench: 40x10 mm

With Trench	
AB T-150 (150 x 80) 550 cm	2.90
AB T-150 (150 x 80) 575 cm	4.37
AB T-150 (150 x 80) 600 cm	5.80
AB T-150 (150 x 80) 625 cm	7.29
AB T-150 (150 x 80) 650 cm	8.75
AB T-150 (150 x 80) 675 cm	10.20
AB T-150 (150 x 80) 700 cm	11.65
AB T-150 (150 x 80) 725 cm	13.12
AB T-150 (150 x 80) 750 cm	14.58
AB T-150 (150 x 80) 775 cm	16.03
AB T-150 (150 x 80) 800 cm	17.49
AB T-150 (150 x 80) 825 cm	18.95
AB T-150 (150 x 80) 850 cm	20.41
AB T-150 (150 x 80) 875 cm	21.86
AB T-150 (150 x 80) 900 cm	23.32
AB T-150 (150 x 80) 925 cm	24.78
AB T-150 (150 x 80) 950 cm	26.24
AB T-150 (150 x 80) 975 cm	27.69
AB T-150 (150 x 80) 1000 cm	29.15
AB T-150 (150 x 80) 1025 cm	30.61
AB T-150 (150 x 80) 1050 cm	32.07
AB T-150 (150 x 80) 1075 cm	33.52
AB T-150 (150 x 80) 1100 cm	34.98

Without Trench	
AB T-150 (150 x 80) 550 cm	2.58
AB T-150 (150 x 80) 575 cm	3.81
AB T-150 (150 x 80) 600 cm	5.04
AB T-150 (150 x 80) 625 cm	6.26
AB T-150 (150 x 80) 650 cm	7.48
AB T-150 (150 x 80) 675 cm	8.69
AB T-150 (150 x 80) 700 cm	9.91
AB T-150 (150 x 80) 725 cm	11.13
AB T-150 (150 x 80) 750 cm	12.35
AB T-150 (150 x 80) 775 cm	13.57
AB T-150 (150 x 80) 800 cm	14.79
AB T-150 (150 x 80) 825 cm	16.01
AB T-150 (150 x 80) 850 cm	17.23
AB T-150 (150 x 80) 875 cm	18.45
AB T-150 (150 x 80) 900 cm	19.67
AB T-150 (150 x 80) 925 cm	20.89
AB T-150 (150 x 80) 950 cm	22.11
AB T-150 (150 x 80) 975 cm	23.33
AB T-150 (150 x 80) 1000 cm	24.55

## Aluminum Beam (AB) S150

Aluminum Beam S150  
(Center Size: 150mm)Aluminum Beam S150  
(without Trench)

Profil: AB S150

Amount of resistance: 9.80 kN/m  
Area: 11.00 cm<sup>2</sup>  
Inertia: 30.00 cm<sup>4</sup>  
Weight: 40.70 kg/m  
Section Modulus: 47.10 cm<sup>3</sup>  
Trough Modulus: 90000 N/mm<sup>2</sup>  
Weight: 1.00 kg/m (with Trench)  
Weight: 0.80 kg/m (without Trench)  
Trench: 40x10 mm

With Trench	
AB S-150 (150 x 75) 550 cm	1.85
AB S-150 (150 x 75) 575 cm	2.90
AB S-150 (150 x 75) 600 cm	3.90
AB S-150 (150 x 75) 625 cm	4.88
AB S-150 (150 x 75) 650 cm	5.85
AB S-150 (150 x 75) 675 cm	6.80
AB S-150 (150 x 75) 700 cm	7.80
AB S-150 (150 x 75) 725 cm	8.79
AB S-150 (150 x 75) 750 cm	9.75
AB S-150 (150 x 75) 775 cm	10.70
AB S-150 (150 x 75) 800 cm	11.70
AB S-150 (150 x 75) 825 cm	12.68
AB S-150 (150 x 75) 850 cm	13.65
AB S-150 (150 x 75) 875 cm	14.60
AB S-150 (150 x 75) 900 cm	15.55
AB S-150 (150 x 75) 925 cm	16.50
AB S-150 (150 x 75) 950 cm	17.50
AB S-150 (150 x 75) 975 cm	18.45
AB S-150 (150 x 75) 1000 cm	19.40
AB S-150 (150 x 75) 1025 cm	20.40
AB S-150 (150 x 75) 1050 cm	21.40
AB S-150 (150 x 75) 1075 cm	22.40
AB S-150 (150 x 75) 1100 cm	23.40
















Without Trench	
AB S-150 (150 x 75) 550 cm	1.58
AB S-150 (150 x 75) 575 cm	2.58
AB S-150 (150 x 75) 600 cm	3.55
AB S-150 (150 x 75) 625 cm	4.58
AB S-150 (150 x 75) 650 cm	5.51
AB S-150 (150 x 75) 675 cm	6.50
AB S-150 (150 x 75) 700 cm	7.59
AB S-150 (150 x 75) 725 cm	8.68
AB S-150 (150 x 75) 750 cm	9.65
AB S-150 (150 x 75) 775 cm	10.60
AB S-150 (150 x 75) 800 cm	11.55
AB S-150 (150 x 75) 825 cm	12.50
AB S-150 (150 x 75) 850 cm	13.50
AB S-150 (150 x 75) 875 cm	14.50
AB S-150 (150 x 75) 900 cm	15.50
AB S-150 (150 x 75) 925 cm	16.50
AB S-150 (150 x 75) 950 cm	17.50
AB S-150 (150 x 75) 975 cm	18.50
AB S-150 (150 x 75) 1000 cm	19.50



# MEC. TABLE SLAB

H2S Timber Beam (TB)		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	H2S TB (200x80) 0120 cm	6.25	
	H2S TB (200x80) 0140 cm	7.25	
	H2S TB (200x80) 0160 cm	8.25	
	H2S TB (200x80) 0180 cm	9.00	
	H2S TB (200x80) 0200 cm	11.25	
	H2S TB (200x80) 0240 cm	13.25	
	H2S TB (200x80) 0280 cm	13.25	
	H2S TB (200x80) 0300 cm	14.50	
	H2S TB (200x80) 0320 cm	14.75	
	H2S TB (200x80) 0340 cm	16.50	
	H2S TB (200x80) 0360 cm	16.50	
	H2S TB (200x80) 0380 cm	18.50	
	H2S TB (200x80) 0400 cm	22.50	
	H2S TB (200x80) 0450 cm	24.50	
	H2S TB (200x80) 0500 cm	28.50	
	H2S TB (200x80) 1100 cm	88.50	
Aluminum Beam (AB) T150		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	AB T-150 (100 x 80) 0100 cm	3.92	
	AB T-150 (100 x 80) 0125 cm	4.37	
	AB T-150 (100 x 80) 100 cm	5.45	
	AB T-150 (100 x 80) 125 cm	7.29	
	AB T-150 (100 x 80) 150 cm	8.75	
	AB T-150 (100 x 80) 175 cm	10.20	
	AB T-150 (100 x 80) 200 cm	11.66	
	AB T-150 (100 x 80) 225 cm	13.12	
	AB T-150 (100 x 80) 250 cm	14.58	
	AB T-150 (100 x 80) 275 cm	16.03	
	AB T-150 (100 x 80) 300 cm	17.49	
	AB T-150 (100 x 80) 325 cm	18.95	
	AB T-150 (100 x 80) 350 cm	20.41	
	AB T-150 (100 x 80) 375 cm	21.86	
	AB T-150 (100 x 80) 400 cm	23.32	
	AB T-150 (100 x 80) 425 cm	24.78	
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	AB T-150 (100 x 80) 450 cm	26.24	
	AB T-150 (100 x 80) 475 cm	27.69	
	AB T-150 (100 x 80) 500 cm	29.15	
	AB T-150 (100 x 80) 525 cm	30.61	
	AB T-150 (100 x 80) 550 cm	32.07	
	AB T-150 (100 x 80) 575 cm	33.52	
	AB T-150 (100 x 80) 600 cm	34.98	
	AB T-150 (100 x 80) 650 cm	3.94	
	AB T-150 (100 x 80) 675 cm	5.41	
	AB T-150 (100 x 80) 700 cm	6.88	
	AB T-150 (100 x 80) 725 cm	8.35	
	AB T-150 (100 x 80) 750 cm	9.82	
	AB T-150 (100 x 80) 775 cm	11.29	
	AB T-150 (100 x 80) 800 cm	12.76	
	AB T-150 (100 x 80) 825 cm	14.23	
	AB T-150 (100 x 80) 850 cm	15.70	
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	AB T-150 (100 x 80) 875 cm	17.17	
	AB T-150 (100 x 80) 900 cm	18.64	
	AB T-150 (100 x 80) 925 cm	20.11	
	AB T-150 (100 x 80) 950 cm	21.58	
	AB T-150 (100 x 80) 975 cm	23.05	
	AB T-150 (100 x 80) 1000 cm	24.52	
	AB T-150 (100 x 80) 1050 cm	26.44	
	AB T-150 (100 x 80) 1100 cm	28.36	
	AB T-150 (100 x 80) 1150 cm	30.28	
	AB T-150 (100 x 80) 1200 cm	32.20	
	AB T-150 (100 x 80) 1250 cm	34.13	
	AB T-150 (100 x 80) 1300 cm	36.05	
	AB T-150 (100 x 80) 1350 cm	37.97	
	AB T-150 (100 x 80) 1400 cm	39.89	
	AB T-150 (100 x 80) 1450 cm	41.81	
	AB T-150 (100 x 80) 1500 cm	43.74	
Aluminum Beam (AB) S150		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	AB S-150 (150 x 75) 090 cm	1.98	
	AB S-150 (150 x 75) 075 cm	2.93	
	AB S-150 (150 x 75) 100 cm	3.88	
	AB S-150 (150 x 75) 125 cm	4.83	
	AB S-150 (150 x 75) 150 cm	5.78	
	AB S-150 (150 x 75) 175 cm	6.73	
	AB S-150 (150 x 75) 200 cm	7.68	
	AB S-150 (150 x 75) 225 cm	8.63	
	AB S-150 (150 x 75) 250 cm	9.58	
	AB S-150 (150 x 75) 275 cm	10.53	
	AB S-150 (150 x 75) 300 cm	11.48	
	AB S-150 (150 x 75) 325 cm	12.43	
	AB S-150 (150 x 75) 350 cm	13.38	
	AB S-150 (150 x 75) 375 cm	14.33	
	AB S-150 (150 x 75) 400 cm	15.28	
	AB S-150 (150 x 75) 425 cm	16.23	
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	AB S-150 (150 x 75) 450 cm	17.18	
	AB S-150 (150 x 75) 475 cm	18.13	
	AB S-150 (150 x 75) 500 cm	19.08	
	AB S-150 (150 x 75) 525 cm	20.03	
	AB S-150 (150 x 75) 550 cm	20.98	
	AB S-150 (150 x 75) 575 cm	21.93	
	AB S-150 (150 x 75) 600 cm	22.88	
	AB S-150 (150 x 75) 625 cm	23.83	
	AB S-150 (150 x 75) 650 cm	24.78	
	AB S-150 (150 x 75) 675 cm	25.73	
	AB S-150 (150 x 75) 700 cm	26.68	
	AB S-150 (150 x 75) 725 cm	27.63	
	AB S-150 (150 x 75) 750 cm	28.58	
	AB S-150 (150 x 75) 775 cm	29.53	
	AB S-150 (150 x 75) 800 cm	30.48	
	AB S-150 (150 x 75) 825 cm	31.43	
Supporting Forkhead (SF)		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	Supporting Forkhead 10x17x20 (P)	3.88	
	Supporting Forkhead 10x17x20 (EP)	3.88	
	Supporting Forkhead - 30 Painted	2.76	
	Supporting Forkhead - 30 EP	2.76	
Universal Forkhead - H2S		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	Universal Forkhead - H2S	3.10	
	Universal Forkhead - H2S	3.10	
	Universal Forkhead - H2S	3.10	
	Universal Forkhead - H2S	3.10	
Universal Forkhead - Aluminum		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	Universal Forkhead - Aluminum	2.93	
	Universal Forkhead - Aluminum	2.93	
	Universal Forkhead - Aluminum	2.93	
	Universal Forkhead - Aluminum	2.93	
Tripod		Wt. (kg)	Code
<p>Weight: 0.20 kg/m Area: 10.00 cm<sup>2</sup> I: 1.00 cm<sup>4</sup></p> <p>Finish: Varnished Surface Supports are mounted at 100mm and 100mm (for damage prevention) - these should be replaced as necessary (noted under inspection)</p> <p>Weight: 4 kg per running meter</p>	Tripod Painted	10.20	
	Tripod EP	10.20	
	Tripod Painted or EP	10.20	
	Tripod Painted or EP	10.20	

## MEC. TABLE SLAB

MEC. TABLE SLAB		Qty. (kg)	Code
<b>Shifting Trolley</b>			
	Shifting Trolley	618.04	
Paint: Painted			
<b>Universal Brace Strip Alum</b>			
	Universal Brace Strip Alum	3.16	
Paint: Electroplated			
<b>Universal Brace Strip H20</b>			
	Universal Brace Strip H20	3.48	
<b>Unified GR Bracket</b>			
	Unified GR Bracket with 1no.M12X100 and 2no.M10X150 Bolt & Nut - Painted	3.85	
	Unified GR Bracket with 1no.M12X100 and 2no.M10X150 Bolt & Nut - EP	3.85	
Tube dia. - 60.3mm			
<b>Universal GR Bracket</b>			
	Universal GR Bracket - Painted	4.32	
Tube dia. - 60.3mm			
<b>Beam Frame</b>			
	Beam Frame (P)	6.57	
	Beam Frame (EP)	6.57	
	Beam Frame (GI)	6.57	
<b>Beam Fork</b>			
	Beam Fork (P)	4.46	
Length: 171 cm Dia.: 48.3 mm			
<b>GR Post 150</b>			
	GR Post 150 (P)	3.57	
	GR Post 150 (EP)	3.57	
Length: 150 cm Dia.: 48.3 mm With Nut & Bolt M12 x 100			
<b>Transport Spreader (Full Set)</b>			
	Transport Spreader (Full Set)	817.60	
<b>Angle Connector H20</b>			
	Angle Connector H20	6.33	
Height: 6 cm Width: 7.5 cm Paint: Painted			
<b>Angle Connector (H20 - 40)</b>			
	Angle Connector (H20 - 40)	6.94	
<b>H20 C-Clamp (Soldier to H20)</b>			
	H20 C-Clamp (Soldier to H20)	6.96	
<b>H20 Universal Clamp (H20 to H20)</b>			
	H20 Universal clamp - Painted (H20 to H20)	6.67	
Paint: Electroplated			
<b>Universal Clamp (Aluminum to Soldier)</b>			
	Universal Clamp EP (Aluminum to Soldier)	6.67	
Paint: Electroplated			
<b>Bolt, Nut and Washer</b>			
	Bolt and Nut M12x100 (Half Threaded)	6.14	
	Bolt and Nut M12x40 (Full Threaded)-GI	6.10	
	Bolt and Nut M10x150	6.33	
	Bolt, Nut & Washer 10X100 mm	6.25	
	Bolt, Nut & Washer 10X100 mm-EP	6.25	
	Bolt, Nut & Washer 10X60 mm	6.14	
	Bolt, Nut & Washer 10X100 mm	6.15	
	Bolt, Nut & Washer 8X125mm (Carriage)	6.09	
	Bolt, Nut & Washer 10X100 (Half Threaded)	6.09	
	Bolt, Nut & Washer 10X75 (Full Threaded)	6.07	
	Bolt, Nut & Washer 10X30 mm	6.04	
	Bolt and Nut with Washer 8x40 mm GI	6.01	

## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### Formwork & Scaffolding Accessories

## Tubes & Fittings Accessories Sheet Metal Products

### Pressed Swivel Coupler (M.D.)

Used to connect two scaffolding tubes at any angle. These are key components in the structure and must be load bearing. The body is firmly riveted to permit rotation but still ensures the minimum of further movement for maximum rigidity.



Pressed Swivel Coupler (M. D.)



Pressed Double Coupler (M.D.)

### Pressed Double Coupler (M.D.)

Used to connect two scaffolding tubes at right angles. These are critical components in the scaffolding structure and must be load bearing to resist both slip and distortion.

### Fixed Final Coupler

Connect a scaffolding tube at right angle directly to the end of another tube with no projection. Ideal for guard rails, crowd control barriers etc.



Fixed Final



Pressed Sleeve Coupler

### Pressed Sleeve Coupler

Used to join two scaffolding tubes externally end to end. A steel divider located centrally ensures equal insertion of each tube. They can be employed where tension joints are required.

## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### DH Putlog Coupler

This coupler is designed to secure putlogs and transoms to ledger. It also conforms to the requirements for bracing coupler as it is capable of taking much higher loading than normal putlog couplers.



DH Putlog Coupler



Band and Plate Coupler

### Band and Plate Coupler

The original load bearing coupler for connecting two scaffold tubes at right angles. This is the only 90 degree coupler that can also bear scaffold tube in parallel.

### Joint Pin

Used to connect two scaffolding tubes end to end. Fitted internally it expands to apply maximum grip against the wall of the tube. Not suitable for joints where tension can be developed in the tube.



Joint Pin



Patent Clamp

### Patent Clamp

This is a highly economical fitting for fastening scaffolding tubes to girders with a single bolt. Suitable for loads at right angles to flanges only. Must be used in pairs.

### Base Plate

A 120 mm x 120 mm steel plate providing a full bearing surface for load distribution from vertical.



Base Plate



## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### Tubes & Fittings Accessories Drop Forged Products

#### Drop Forged Swivel Coupler (H.D.)

A one-piece load bearing coupler of rugged design incorporating captive "T" bolts for connecting two scaffold tubes at any angle.



Drop Forged Swivel Coupler (H. D.)



Drop Forged Double Coupler (H. D.)

#### Drop Forged Double Coupler (H.D.)

A one-piece load bearing coupler incorporating captive "T" bolts used to connecting two scaffold tubes at right angles.

#### Drop Forged Putlog Coupler

A one-piece coupler for connecting transoms and putlog to ledgers.



Drop Forged Putlog Coupler



Gravlock Coupler

#### Gravlock Coupler

There are often requirements to fasten scaffolding tubes to girder and other steel sections and it demands a specialised fitting with a high degree of versatility. The Gravlock Coupler has been specifically designed for attachment to either horizontal or vertical Flanges. In erection the Gravlock Coupler is highly effective as it enables the fitting to be bolted to the girder first. This leaves both hands free to present and secure the tube. As the tube is not compressed against the girder it is not distorted by the fastening process. Gravlock Coupler must be used in pair.

## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### Soldier System Accessories

#### Tie Rod

Threaded high tensile tie rod supplied in 6 m lengths and 17 mm diameter, black or galvanized.

Size (m)	Code
Tie Rod 15 cm	XFGTRB015
Tie Rod 25 cm	XFGTRB025
Tie Rod 50 cm	XFGTRB050
Tie Rod 75 cm	XFGTRB075
Tie Rod 100 cm	XFGTRB100
Tie Rod 125 cm	XFGTRB125
Tie Rod 150 cm	XFGTRB150
Tie Rod 175 cm	XFGTRB175
Tie Rod 200 cm	XFGTRB200
Tie Rod 225 cm	XFGTRB225
Tie Rod 250 cm	XFGTRB250
Tie Rod 275 cm	XFGTRB275
Tie Rod 300 cm	XFGTRB300
Tie Rod 325 cm	XFGTRB325
Tie Rod 350 cm	XFGTRB350
Tie Rod 375 cm	XFGTRB375
Tie Rod 400 cm	XFGTRB400
Tie Rod 425 cm	XFGTRB425
Tie Rod 450 cm	XFGTRB450
Tie Rod 475 cm	XFGTRB475
Tie Rod 500 cm	XFGTRB500
Tie Rod 525 cm	XFGTRB525
Tie Rod 550 cm	XFGTRB550
Tie Rod 575 cm	XFGTRB575
Tie Rod 600 cm	XFGTRB600



Tie Rod



Timber Waling Clamp

Universal Clamp

#### Timber Waling Clamp & Universal Clamp

Both devices used for soldier wall shuttering system. Waling clamp used to connect timber studs to the soldiers, while the Universal Clamp is used to fasten the aluminum studs to the soldiers. Wall formwork is easily done with these accessories.

Timber Waling Clamp

Universal Clamp

## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### Soldier System Accessories

#### Plastic Sleeve

Acts as a spacer and allows the recovery of the tie rod by preventing contact with the concrete.



Plastic Sleeve



Plastic Cone

#### Plastic Cone

Located at the ends of the plastic sleeve, cone allows the tie rod to penetrate easily one side to another.

#### Counter Plate

A simple heavy duty reinforced plate 120 x120 x 8 mm.



Counter Plate



Water Stopper

#### Water Stopper

Cast element used as a connector between two tie rods, which prevents water seepage due to its central disk.

#### Water Stopper

GI Finish



Plastic Reducer

#### Wing Nut

Cast nut with lever arm action used counter plate for all solders or waling applications. Supplied either in black or galvanized.



Anchor Nut



Wing Nut

## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### Scaffolding Accessories

#### Ledger End (Drop Forged)



Ledger End (Drop Forged)



Bottom Cup

#### Bottom Cup

#### Toe Board Clamp



Toe Board Clamp



Castor Wheel

#### Castor Wheel

Castor Wheel 8"

Castor Wheel 8" with Adjustable Jack

**MEC. FORMWORK & SCAFFOLDING ACCESSORIES**
**Props Accessories**


Threaded Tube 60.3 mm

Threaded Tube 60.3 mm

Props Nut (Drop Forged) 60.3 mm



Props Nut (Drop Forged) 60.3 mm



Pin 12 mm

Pin 12 mm

Rocking Push Pull Prop Base



Rocking Push Pull Prop Base



Double Push Pull Prop Base

Double Push Pull Prop Base



## MEC. FORMWORK & SCAFFOLDING ACCESSORIES

### CupLock System Accessories

Top Cup (Drop Forged)



Top Cup (Drop Forged)



Wedge Plate (Drop Forged)

Wedge Plate (Drop Forged)

## OUR PROJECTS

### Proposed B+G+M+7 Typical Floors + Hotel Building

Location:

Palm Deira Dubai - U.A.E.

Client:

Mr. Jurabek Safarov

Project Built Up Area:

153,427.26 sq.ft

Project Duration:

21 Months + 30 Days Mobilization Commencement

Date:2019

Completion Date: February 05,2021

Work Description:

Consultant:

M/s. Abdul Rahim Architectural Consultants

Project Amount:

68,400,000.00/- AED

Main Contract works of Construction, Completion, and Handing Over & Maintenance for the Project.



### Residential Building B+G+2P+7+R+ Swimming pool

Location:

On Plot no.JVC10NMRP005 at Jumeirah Village Circle  
at Al Barsha South 4th (681), Dubai - U.A.E.

Client:

M/s. Shakun Jawahar Mulchandni Consultant:

M/s. Design-Lab Consultant Engineers

Project Built Up Area: 294,000 sq.ft Project Amount: 76,000,000.00 /- AED Project Duration: 18 Months

Commencement Date: June 2015 Completion Date: December 2016

Work Description:

Main Contract works of Construction, Completion, Handing Over & Maintenance for the Project.



### Masjed Al Thani

Location:

Al Nakheel, Ras Al Khaima, UAE

Consultant:

M/s.Horizon Engineering Consultant

Main Contractor:

M/s. Al Eman Engineering Establishment

Project Built Up Area:

56,000 sq.ft

Project Amount:

18,00,000/- AED Date: 2013

Work Description:

Main Contract works of Construction, Completion, Maintenance & Handing Over for the Project including:

Sub & Super Structure Concrete works, Steel Structure works and Block work Plaster works and finishing works and wooden, Aluminum metal works, Mechanical works, Electrical works, Soft and Hard Landscaping.

### Masjed Hatta Al Kabeer

Location:

Hatta, Dubai - U.A.E

Consultant:

M/s. Al Hashmey Engineering Consultant

Main Contractor:

M/s. Al Hudaiba Contracting

Project Built Up Area:

77,000 sq.ft

Project Amount:

15,400,000/- AED Date: 1998

Work Description:

Main Contract works of Construction, Completion, Handing Over & Maintenance for the Project.





**(G +4) LABOUR ACCOMMODATION**

Location:

On Plot no. (2840205) At AL TTAY, Dubai - U.A.E

Client:

M/s. Albaraq Tr. &amp; Ent Co. M/S. Eastern International Llc

Consultant:

M/s. Afamia Engineering Consultancy Project Built Up Area:  
80,533 sq.ft

Project Amount:

16,450,000/- AED Project Duration:

10 months

Commencement Date: November 2017

Completion Date: August 2018

Work Description:

Main Contract works of Construction,  
Completion, Handing Over & Maintenance for the Project**(G+4+1R) Labour Accommodation Building**

Location:

On Plot no. 5970319 at DIP II, Dubai- U.A.E

Client:

M/s. Abduljalil Group- DIP

Consultant:

M/s. Golden Square Engineering Consultant

Project Built Up Area: 86,000 sq.ft

Project Amount: 23,000,000/- AED Project Duration: 14 Months

Commencement Date: June 2015

Completion Date: August 2016 Work Description:

Main Contract works of Construction, Completion,  
Maintenance Handing Over & Maintenance for the Project.



**OUR PROJECTS RIVATE VILLAS**



1. Commercial and Offices (3B+GR+9) Building at Al Qusais 4<sup>th</sup> on Plot No. 2470270 Dubai, for Mr. Adnan Rafat Shukri Mushtaha.
2. Showroom and Offices Building (G+M) at Al Khabisi on Plot No. 1280369 Dubai, for Mr. Abdulla Al Ouweis Sons.
3. Residential and Commercial Building (B+G+5+R) at Alwarqa 1 ., on Plot No. 4210755 Dubai, for Mr. Adel Noori Gaber Ali.
4. Private School Building (G+2) at Shakhbout City "Khalifa City B" on Plot No. Mfw-13 – P15 Abu Dhabi , for M/S. Scholars American International School.
5. Private School Building (G+1) at Al Salma -2 Umm Al Quwain on Plot No. 1/100 Block 4, for Scholars American International School.
6. Factory Building (G+M) at DIC -2 on Plot No. 5320242 Dubai , for United Metal Coating.
7. Labor Accommodation Building (G+4+1R) on DIP –II on Plot No. 5970319 Dubai, for Abduljalil Group – DIP2.
8. Factory and Office Building (G) on Saikh Shuaib -4 on Plot No. 5330142 Dubai, for Emirate Pallet – DIC.
9. Labor Accommodation Building (G+4) at Jebel Ali Ind. On Plot No. 599-2148 Dubai, for Dalya Abdulariz Mohamed.



10. Masjed Al Thani at Nakheel, Ras Al Khaima.
11. Masjed Hatta Al Kabeer at Hatta Dubai, U.A.E.
12. Labor Accomodation (G+4) at Al Ttay on Plot No. 2840205 Dubai, for Albaraq Tr. & Ent. Co.
13. Work Shop + Store + Admin at Jabal Ali for Ahmad Saeed Juma Al Kaabi.
14. Bldg. (G+m+1) at Al Daghya for Sultan Mohamad Abdulla.
15. Work Shop + Store at Al Quz Indust.Area for Khaled Ahmad Abdulla Al Humidan.
16. Work Shop + Store at Jabal Ali for Saeed Mohammed Al Rasheed.
17. Sharjah American International School (G+2) at Al Warqaa 1st for Al Eman Trad. & Cont. Est.
18. Residential Building (G+4) at Bur Dubai for Al Emirates Contracting.
19. Chemical Factory at JAFZA for Amana Steel.
20. Building (G+4) at JAFZA for Dalya Abdul Aziz Mosad.
21. Villa (G+1) at Al Warqaa 3rd for Essa Abdulla Ebrahim Al Balooshi.
22. 2 Villa (G+1) at Al Warqaa 3rd for Nabil Ahmed Sultan Al Mur.
23. Villa (G+1) at Al Barsha 2nd for Mustafa Abdulrahman Al Shaheen.
24. Villa (G+1) at Al Manara for Ahmad Ali Salem Al Saeer.
25. Villas (G+1) at Merdef for Fawzy Mohammed Hassan Al Falasy.
26. Villa (G+1) at Al Manara for Moasam Bilal Juma Al Moasam.
27. Villa (G Only) at Al Warqaa 4th for Hamoud Abdul Kareem Al Rakhees.
28. Villa (G+1) at Al Mezher 1st for Adel Ahmed Mohammed Al Jasmi.
29. 6 Villas (G+1) at Merdef for Khalel Ali Mohd Yousef.
30. Villa (G+1) at Al Barsha 3rd for Moosa Mubarak Al Balooshi.
31. Villa (G+1) at Al Barsha 3rd for Hamed Abo Baker Salem.
32. Villa (G+1) at Alwarqaa 3rd for Ayoob Ahmed Al Ayoobi.
33. Villa (G+1) at Al Barsha 1st for Khalifa Jalal Mohammed.
34. Villa (G+1) at Al Qusais 1st for Younis Adbulla Mohammed.
35. Villa (G+1) at Al Warqaa 3rd for Mohamed Abo Baker Salem.
36. Villa (G+1) at Al Barsha 2nd for Hamad Abdul Rahman Al Jasmi.



## OUR LABOUR FORCE

### Our group

Civil Engineer 51 Electromechanical Engineer 16 Quantity Surveyor 9 Civil Foreman 36 Draftsman 8 Electrical Foreman 10 Mechanical Foreman 11 Electrical Men 45 Plumbers 66 Painter 56 Mason 73 Steel Fixer 60 Wooding Carpenters 64 Tiles Mason 42 Bus Driver 9 Driver 10

THANK YOU FOR BEING WITH US.

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