

SLAB
FACADE SCAFFOLDING
MOBILE TOWERS

CUPLOK SYSTEM

HANDBOOK



Introduction

Cuplock is a multipurpose system suitable for access and support in all types of construction of building & civil engineering projects; it is fully painted/galvanized. Cuplock system is suitable for providing general access and supporting vertical loads. It can be used to create a huge range of access and support structures, staircase towers, circular scaffolds, loading towers and mobile towers. This manual has been designed to provide comprehensive details of components and guidance on the design and erection of M-Cuplock systems.

Connection and Locking Procedure

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 lowered down and locking by a hammer

Dimension

All vertical standards and ledgers tubes are 48.3mm diameter with 3.00 or 3.20 mm thickness.

Cuplock Standards available in lengths from 1.00m up to 3.00m.

Cuplock Ledgers available in lengths from 0.60m up to 2.50m

Connection and Locking Procedure

Standard safe working load up to 7.50 ton according to standard unbraced length and tube wall thickness.



Sketch Applications

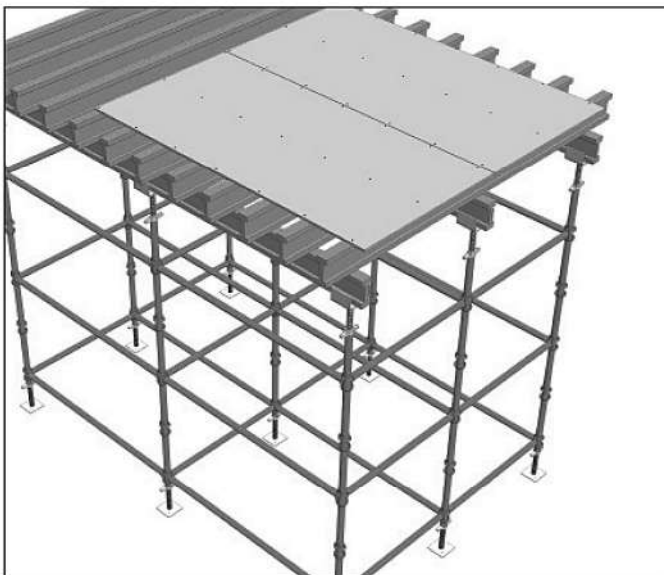
-CUPLOCK FALSEWORK

is a new way of shoring and support the concrete slabs in record time with less labor required rather than the traditional method of shoring and support.

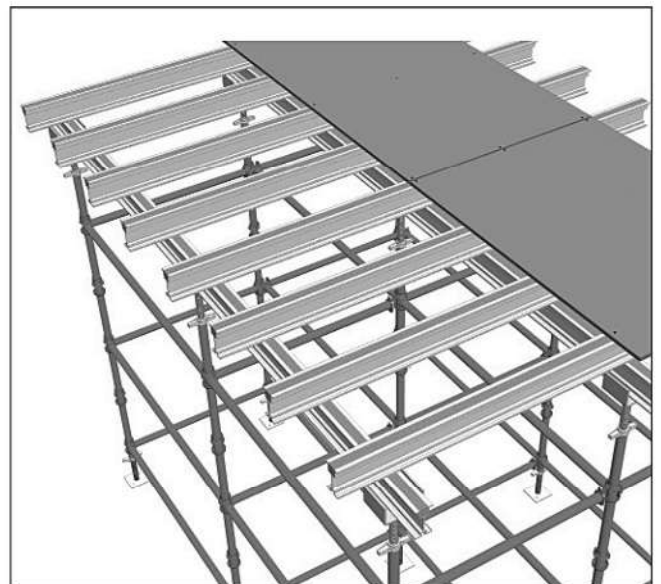
Cuplock Falsework use different types of primary and secondary beams as needed allowing the possibility of using existing material in the sets.



● Primary : H20 Beam
Secondary: H20 beam

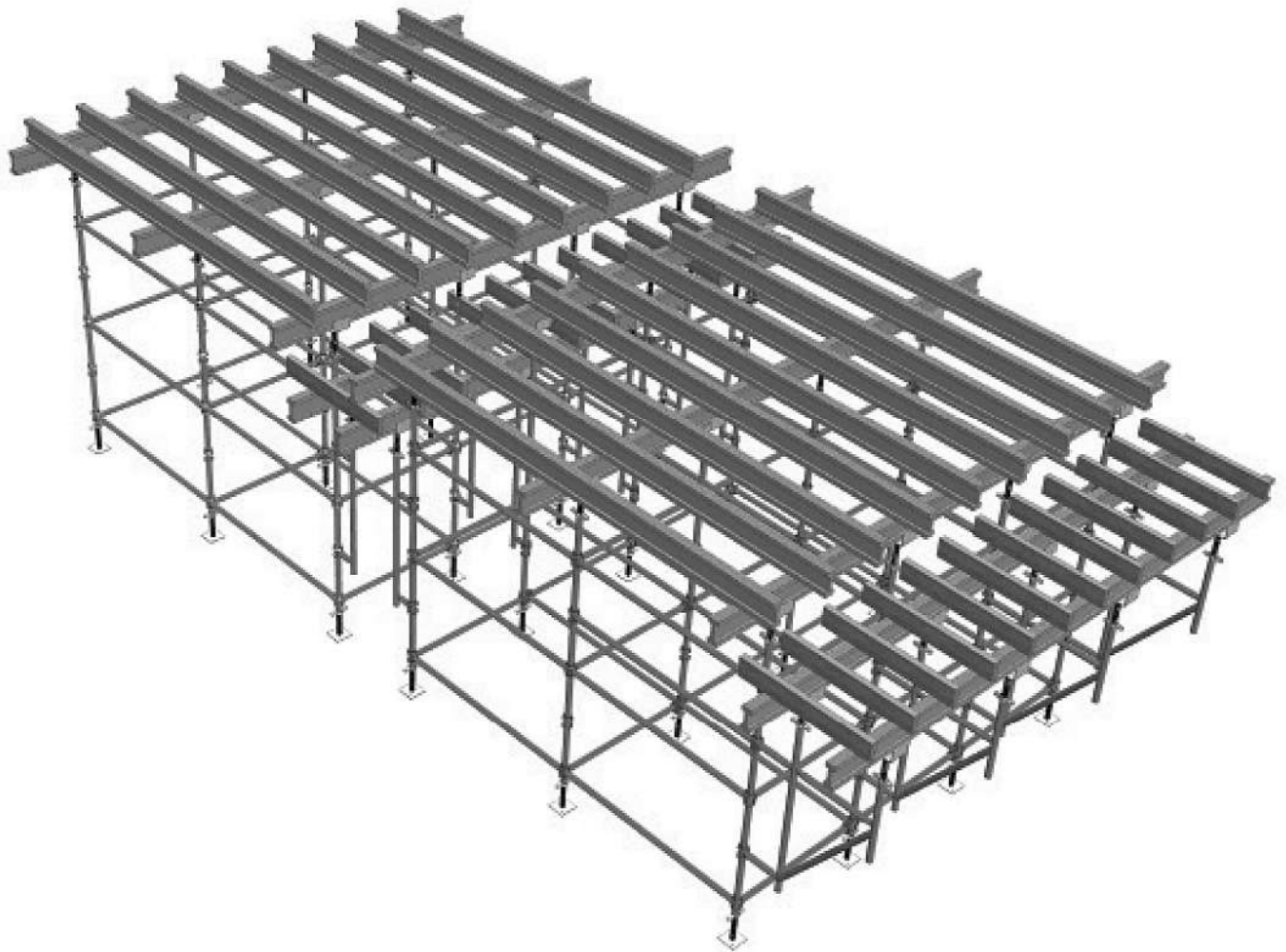


● Primary : Aluminum Beam
Secondary : Aluminum Beam

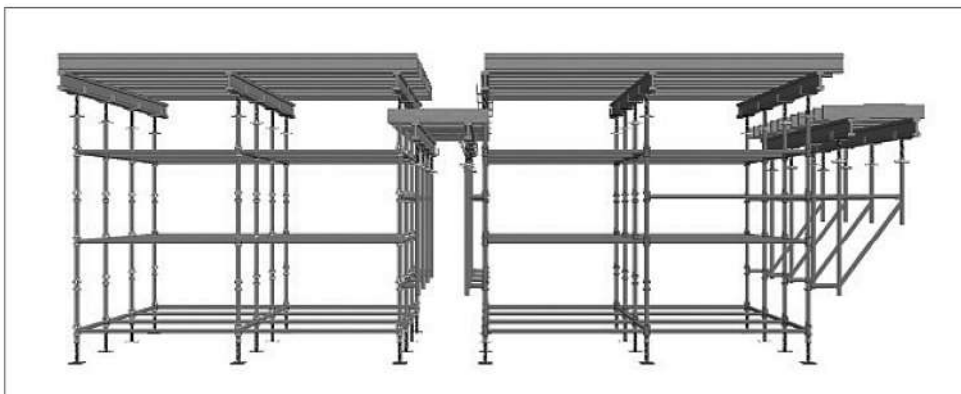


Sketch Applications

Another application of -Cuplock Falsework used to shuttering beams of slab floor by using Double Cantilevers for outer beam brackets for inner beams.

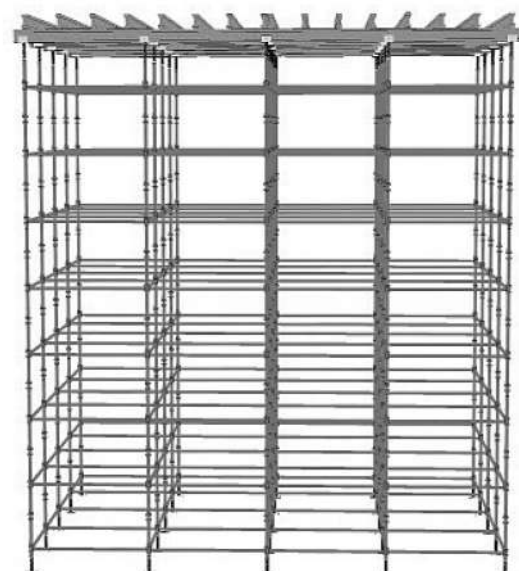
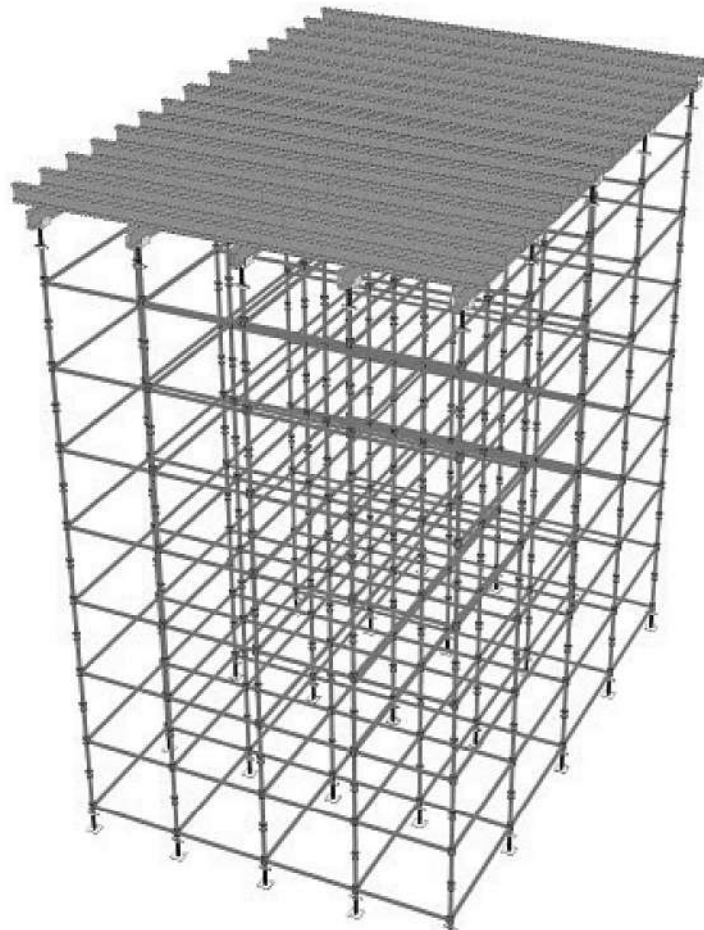


Overview



Sketch Applications

Another application of **-Cuplock Falsework** used to support and shuttering the concrete slabs with different heights and levels according to requires.

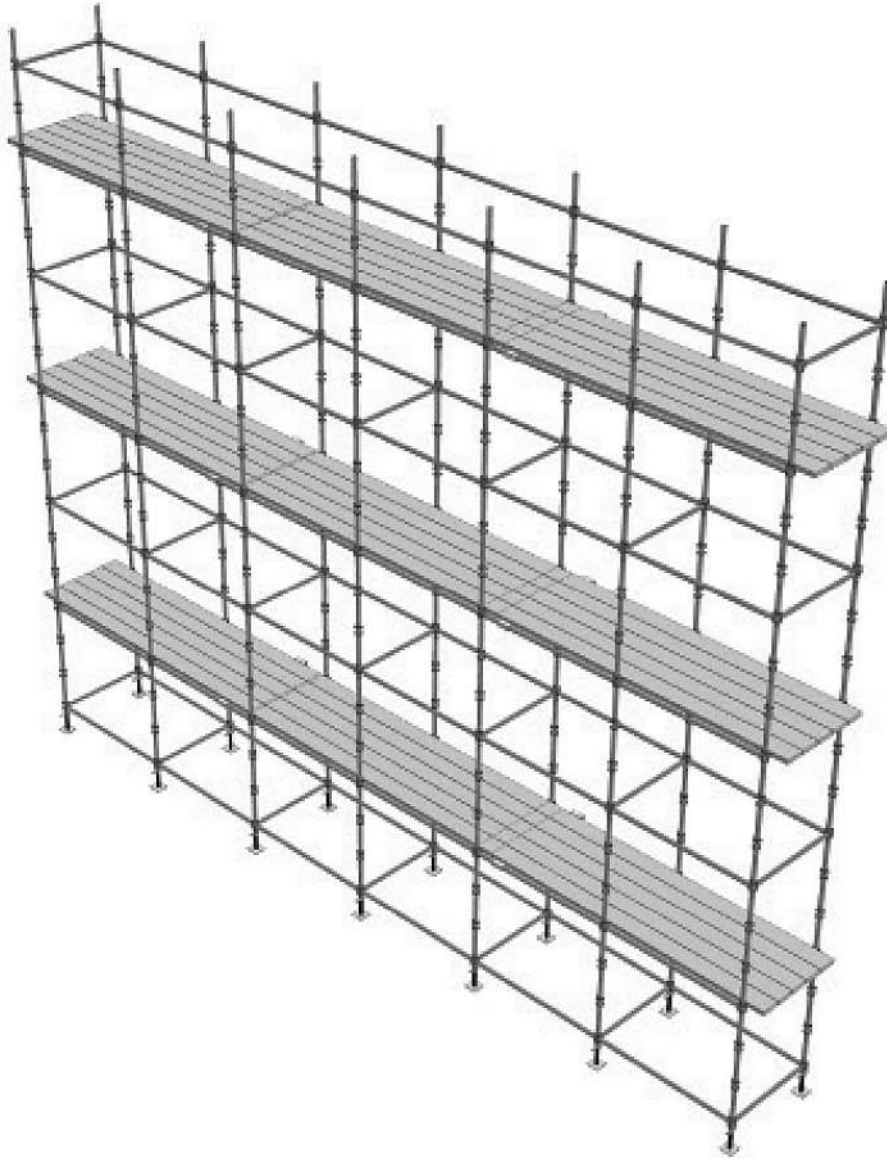


Overview

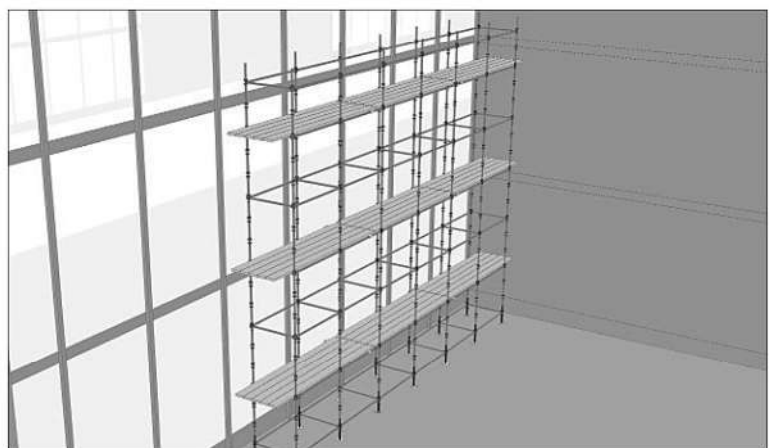
Sketch Applications

-CUPLOCK SCAFFOLD is defined as any temporary elevated work platform and its supporting structure (including points of anchorage) used for supporting employees or materials or both.

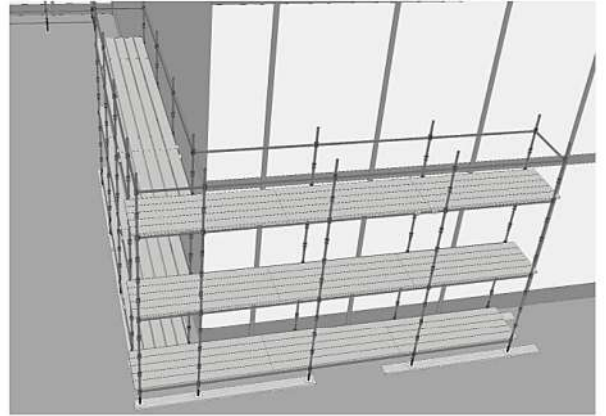
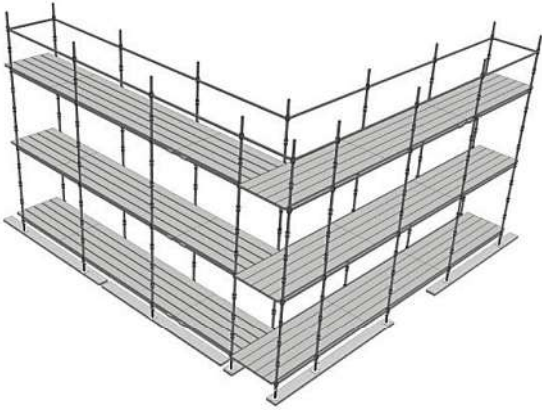
Note that there are three main points to the definition: it is elevated, it is temporary, and it supports either personnel or materials or both.



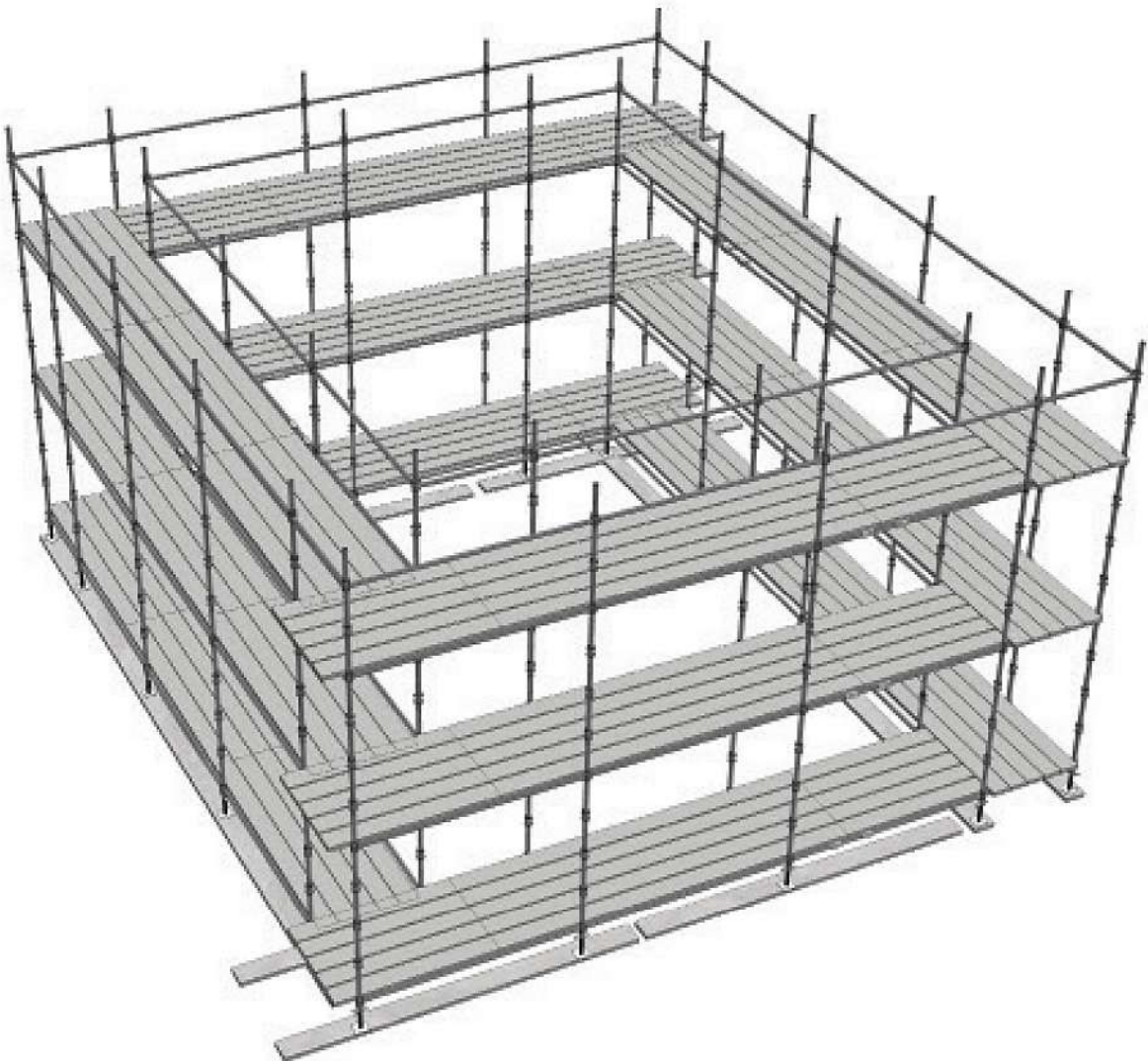
Overview



Sketch Applications

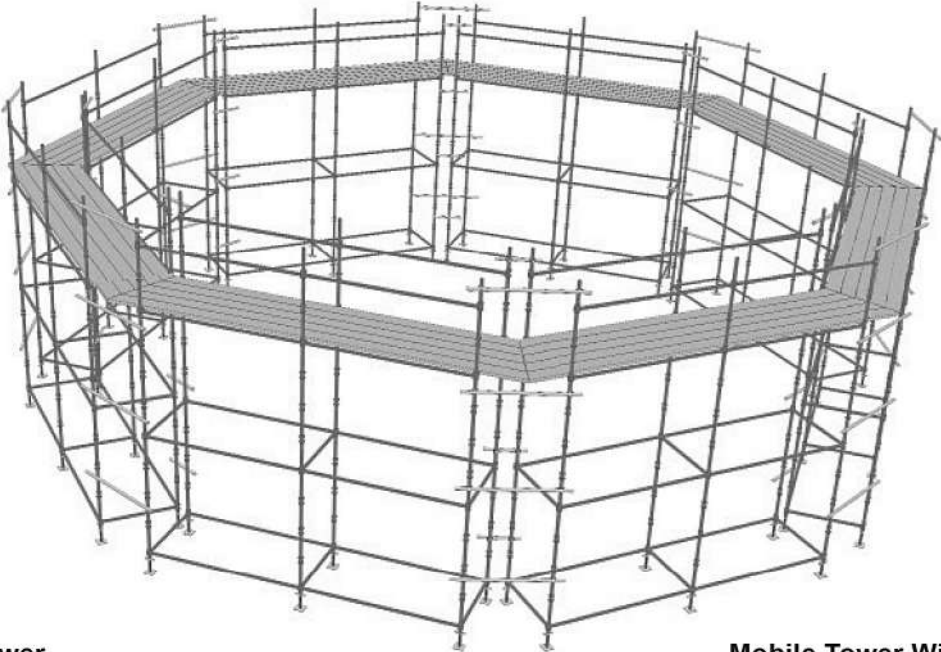


-Cuplock Scaffolding: Square Or Rectangle Application



Sketch Applications

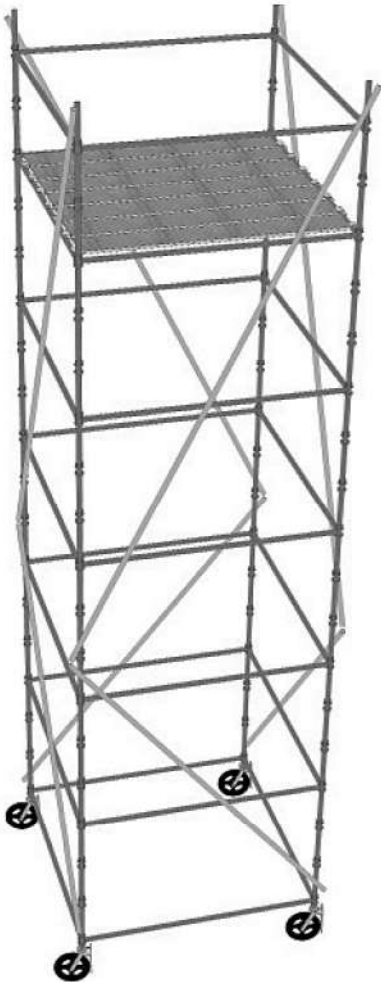
-Cuplock Scaffolding: Circular Application



Staircase Tower

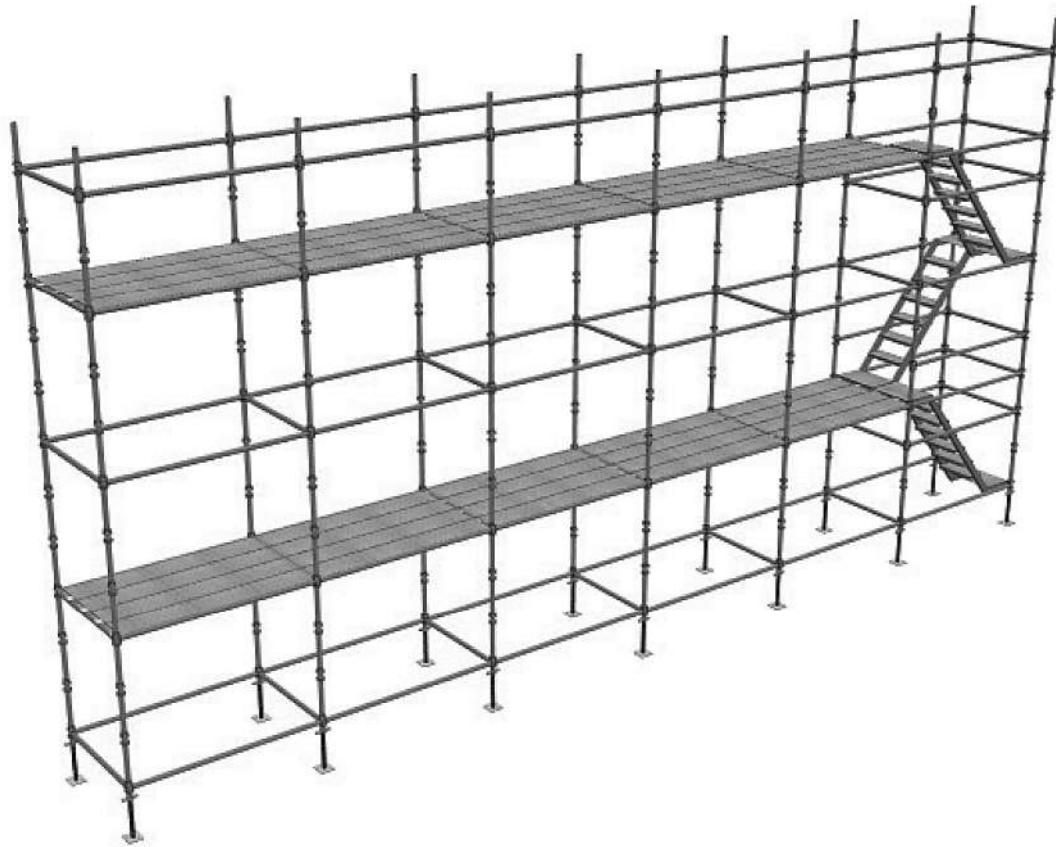


Mobile Tower With Steel Planks



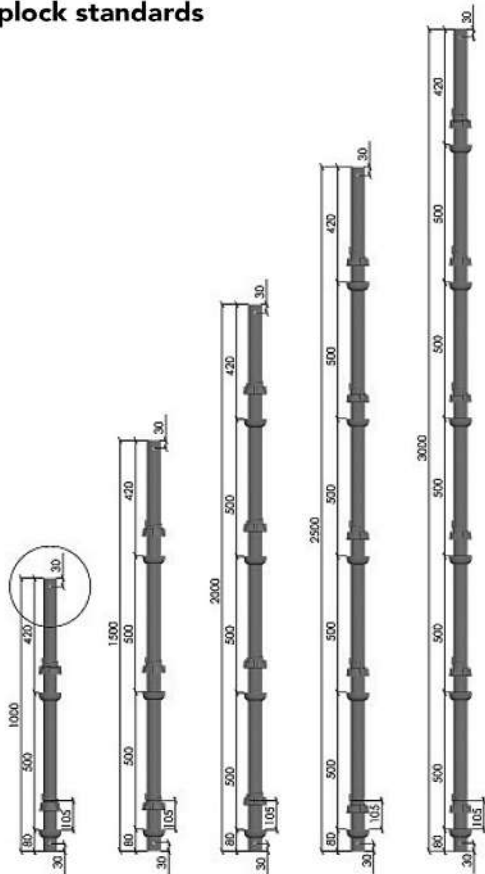
Sketch Applications

-Cuplock Scaffolding : Staircase and Steel Planks



Components

Cuplock standards



Description	Weight Kg
-------------	-----------

Cuplock Standard Thk. 3.20mm

cuplock Standard 100 cm	4.90
cuplock Standard 150 cm	7.15
cuplock Standard 200 cm	9.80
cuplock Standard 250 cm	11.90
cuplock Standard 300 cm	14.30

Cuplock Standard Thk. 3.00mm

cuplock Standard 100 cm	4.59
cuplock Standard 150 cm	6.70
cuplock Standard 200 cm	9.18
cuplock Standard 250 cm	11.15
cuplock Standard 300 cm	13.40

Cuplock Standard Thk. 3.2 mm

EN-10219 100 cm	5.70
EN-10219 150 cm	8.35
EN-10219 200 cm	10.16
EN-10219 250 cm	13.90
EN-10219 300 cm	16.70

Cuplock Ledgers Thk 3.00mm

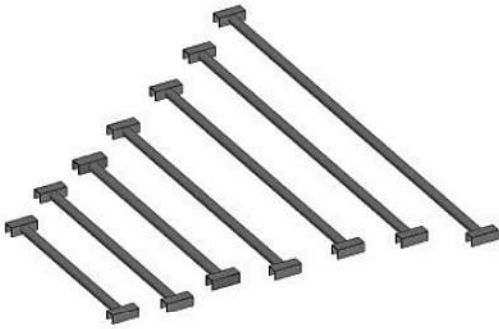


Description	Weight Kg
-------------	-----------

Cuplock Ledger 250cm	8.30
Cuplock Ledger 180cm	6.80
Cuplock Ledger 160cm	6.05
Cuplock Ledger 130cm	5.05
Cuplock Ledger 125cm	4.35
Cuplock Ledger 120cm	4.05
Cuplock Ledger 100cm	3.50
Cuplock Ledger 90cm	3.00
Cuplock Ledger 60cm	2.35

Components

Cuplock Intermediate Transoms



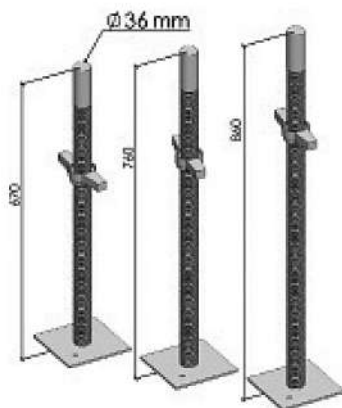
Description	Weight Kg
250cm	9.50
210cm	7.30
180cm	6.90
160cm	6.20
130cm	5.20
125cm	4.80
100cm	4.10

Adjustable Base Jacks Hollow Ø 38/4mm



Description	Weight Kg
670mm	3.54
760mm	3.85
860mm	4.20

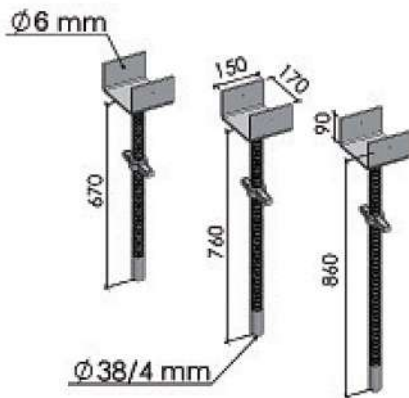
Adjustable Base Jacks Solid Ø 36



Description	Weight Kg
670mm	6.00
760mm	6.65
860mm	7.36

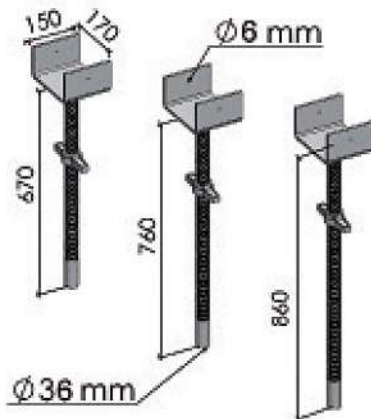
Components

Adjustable U-head Jacks Hollow



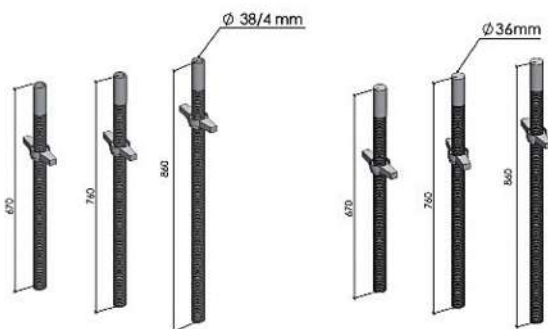
Description	Weight Kg
600mm Thk=6mm	4.91
670mm Thk=6mm	5.05
760mm Thk=6mm	5.82
860mm Thk=6mm	6.58
600mm Thk=8mm	8.99

Adjustable U-head Jacks Solid



Description	Weight Kg
670mm Thk=6mm	7.45
760mm Thk=6mm	8.15
860mm Thk=6mm	8.86

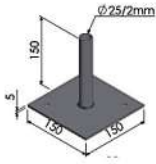
Adjustable Universal Jacks



Description	Weight Kg
Adjustable Universal Jacks Hollow \varnothing 38/4mm	
670mm	2.00
760mm	2.25
860mm	2.50
Adjustable Universal Jacks Solid \varnothing 36	
670mm	5.25
760mm	5.85
860mm	6.55

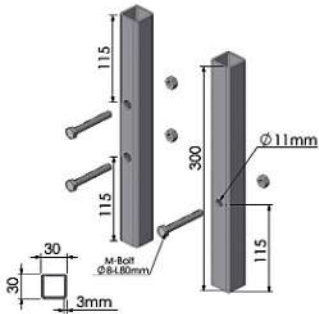
Components

Base plate



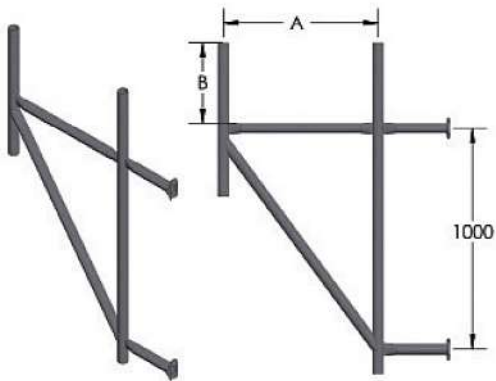
Description	Weight Kg
Base Plate	1.00

Square spigot



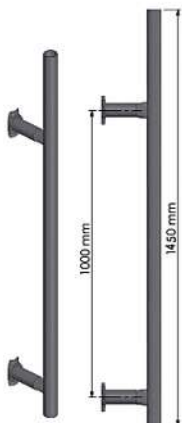
Description	Weight Kg
Cup lock Spigot 30 cm	0.70

Double Cantilevers



Description	Weight Kg
700/390mm	10.95
700/600mm	11.50

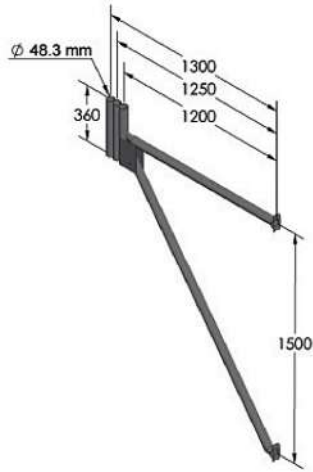
Beam Bracket



Description	Weight Kg
Beam Bracket 100cm	6.45

Components

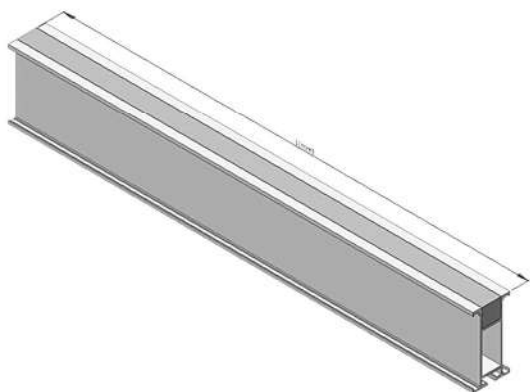
Cantilever Frame



Description	Weight Kg
Cantilever Frame 150cm	16.20

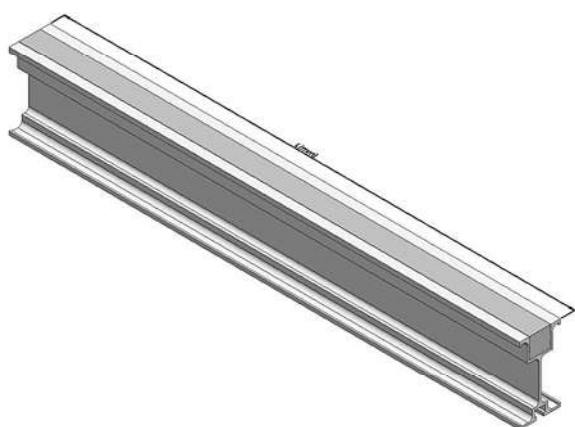
Components

Aluminum Beam Double Web



Description	Weight Kg
A.B.D 1000 mm	4.49
A.B.D 2000 mm	8.98
A.B.D 3000 mm	13.47
A.B.D 4000 mm	17.96
A.B.D 5000 mm	22.45

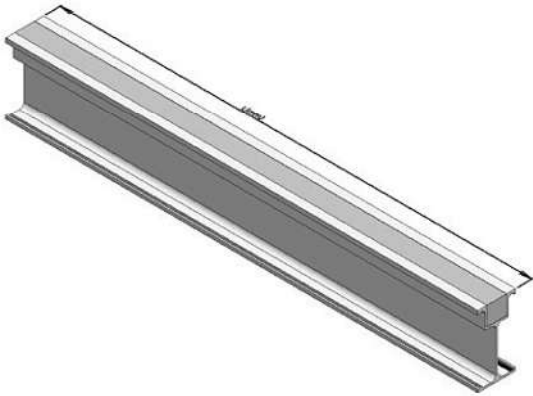
Aluminum Beam Heavy



Description	Weight Kg
A.B.H 1000 mm	4.25
A.B.H 2000 mm	8.50
A.B.H 3000 mm	12.75
A.B.H 4000 mm	17.00
A.B.H 5000 mm	21.25

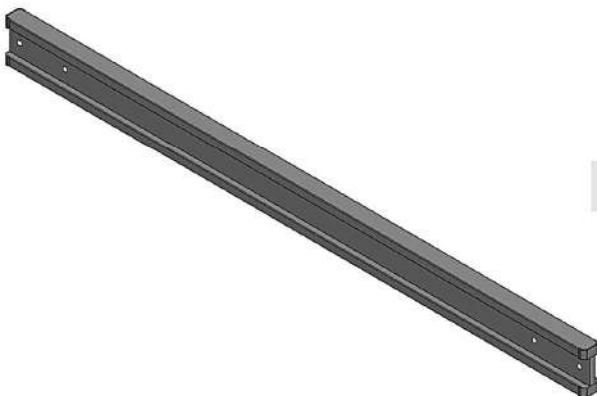
Components

Aluminum Beam Single Web



Description	Weight Kg
A.B.S 1000 mm	3.2
A.B.S 2000 mm	6.25
A.B.S 3000 mm	9.78
A.B.S 4000 mm	13.04
A.B.S 5000 mm	16.30

H20 Beams



Description	Weight Kg
L 1900 mm	8.74
L 2450 mm	11.27
L 2900 mm	13.34
L 3900 mm	17.94
L 4900 mm	22.54
L 5900 mm	27.14

Components

Tube



Description	Weight Kg
Scaffolding Tube Thk. 3mm	
Scaffolding Tube 1000 mm	3.43
Scaffolding Tube 2000 mm	6.86
Scaffolding Tube 3000 mm	10.29
Scaffolding Tube 4000 mm	13.72
Scaffolding Tube 5000 mm	17.15
Scaffolding Tube 6000 mm	20.58
Scaffolding Tube Thk. 3.2mm	
Scaffolding Tube 1000 mm	3.43
Scaffolding Tube 2000 mm	6.86
Scaffolding Tube 3000 mm	10.29
Scaffolding Tube 4000 mm	13.72
Scaffolding Tube 5000 mm	17.15
Scaffolding Tube 6000 mm	2058

Forged Double Coupler



Description	Weight Kg
Ø 48.3 x Ø 48.3	0.98
Ø 48.3 x Ø 60.2	0.92

Forged Swivel Coupler



Description	Weight Kg
Ø 48.3 x Ø 48.3	1.12
Ø 48.3 x Ø 60.2	1.17
Ø 60.2 x Ø 60.2	1.60

Components

Pressed Double Coupler



Description	Weight Kg
Ø 48.3 x Ø 48.3	0.86
Ø 48.3 x Ø 60.2	0.910

Pressed Swivel Coupler



Description	Weight Kg
Ø 48.3 x Ø 48.3	0.945
Ø 48.3 x Ø 60.2	1.5

Expanding Joint Pin



Description	Weight Kg
Expanding Joint Pin	0.860

Forged Putlog Coupler



Description	Weight Kg
Forged Putlog Coupler	0.640

Gravlock Girder Clamp



Description	Weight Kg
Gravlock Girder Clamp	1.50

PIONEERS

INDUSTRIES L.L.C

✉ info@pioneers_ind.com
☎ (+02) 2266 1798
☎ (+02) 2268 2513
📍 Head Office: 3 Khalid ibn Al-Waleed
St. ,1135/A, near to Abu Bakr
Al-Seedek mosque, Sheraton.
Heliopolis, Cairo, Egypt



Factory :
Section no. 191, Extension of the 3rd
region , 6th of october city - Egypt