





SCAFFOLD MASTER SDN BHD

(146056-P)





SCAFFOLD MASTER SDN BHD

Company No 198501013600 (146056-P)

Wisma IJM Annexe,
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We Deliver









SCAFFOLDING

FALSEWORK

ACCESSORIES

PRODUCT
CATALOGUE

SCAFFOLD MASTER

was established in 1994 and its primary activity is the supply of steel scaffolding for rental to the construction and service industry. Today, our iventory consist of heavy duty shoring systems, tableform, modular scaffold system for the construction of bridges, infrastructure work, highrise building, shipyard and aircraft hangar.

We are a subsidiary of **IJM** and in tandem with its corporate philosophy of **"Excellence Through Quality", Scaffold Master's** product and service of the highest quality.

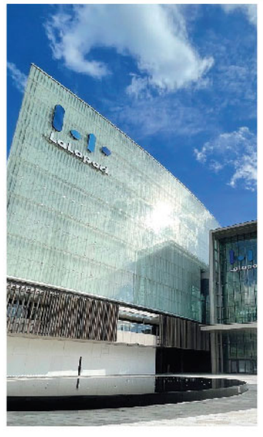
QUALITY PRODUCT

Our stringent quality control ensures that all scaffolding components are regularly checked, fit for its purpose and are rented out in excellent condition. Stock that are found damaged or have surpassed its life span are immediately replaced. Our heavy duty shoring parts comply to BS EN 3975 & BS 12812 and our frame scaffolding comply to MS 1462.

QUALITY SERVICES

Customer service is our priority. All sales personnel in Scaffold Master are trained to provide the best services to our customer. Quotation, delivery and on site problem solving are part of our service cultute.

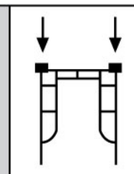
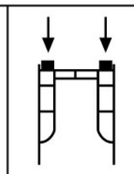
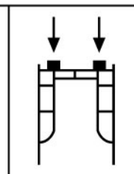
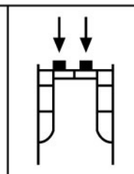
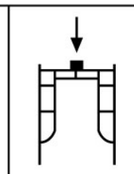
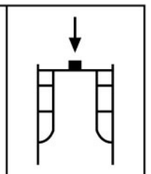
WE DELIVER



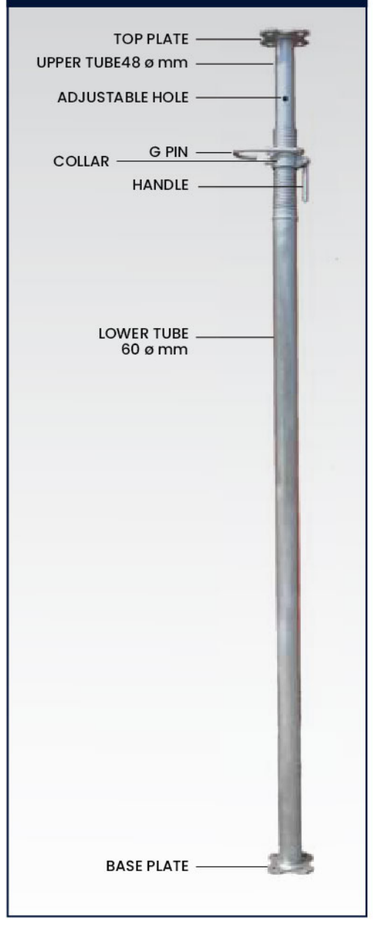



Technical Data

Reduction in Strenght, Depending upon positions where frame load is applied.

Point of Load						
Minimum Required Load	80 (KN)	75 (KN)	60 (KN)	45 (KN)	20 (KN)	15 (KN)
Allowable Load	40 (KN)	30 (KN)	25 (KN)	18 (KN)	8 (KN)	6 (KN)

PIPE SUPPORT



TECHNICAL DATA

MODEL NO.	HEIGHT		SAFE WORKING LOAD	
	CLOSED	EXTENDED	CLOSED	*EXTENDED
VS - 4	2700 mm	3950 mm	3 Ton	1.0 Ton
VS - 3	2250 mm	3500 mm	2 Ton	1.5Ton
VS - 2	1980 mm	3185 mm	2 Ton	1.7 Ton
VS - 1	1500 mm	2580 mm	2 Ton	2.0 Ton

*By proper bracing the above capacity load can be increased to 2 tons



Heavy Duty

SHORING SYSTEM

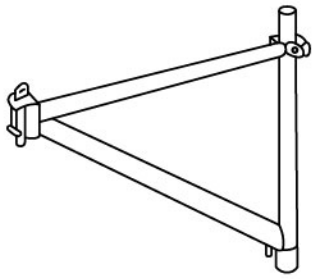


Heavy Duty Shoring System is a multi-drectional heavy duty shoring equipment to support all types of heavy structures, and is manufactured to comply with British Standard BS 5975 and BS EN 12812.

EFFICIENCY...

- Quick erection and dismantling
- Multi-level and Multi-directional
- Interchangeble and Flexible
- Error Free
- Durable

Components



TRIANGLE 0.7M AND 1.5M

Four adjacent triangle enable to form a 1.00m high lift of a tower. The vertical member is equipped with 3 stirrups. One end of the horizontal tube is provided with a wedge-clamp.



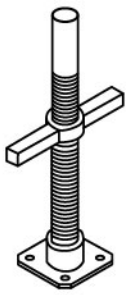
S-PIN C60

It is S-shaped and secures the tower for lifting.



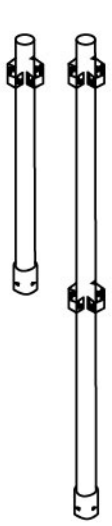
PLAN BRACE

It is used ensure the squareness of tower.



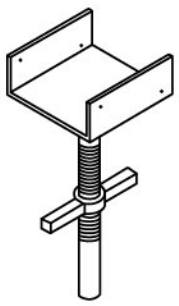
JACK BASE C60 / 600

It enables to compensate the ground unevennesses.



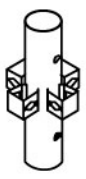
STANDARD C60 0.3M, 0.5M,0.75M,1M AND 2M

They are used in conjunction with triangle to erect narrow rows. They can be coupled to a tower in case of load concentrations. Also, they are used for height adjustment.



U-HEAD C60 / 600

It is designed to accomodate primary, secondary, etc...



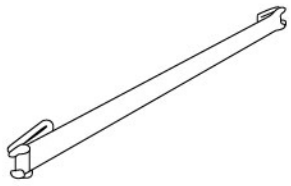
BASIC STANDARD C60

It facilitates the erection, the tower levelling and the general layout.

Components

LEDGER

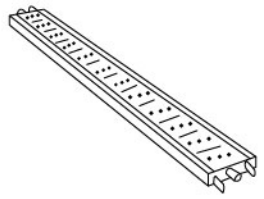
It is made of tube Ø 48 and is provided at both ends with a wedge-clamp.



0.35m
0.50m
0.70m
1.00m
1.50m
1.80m
2.00m
2.50m
3.00m

WALKING BOARD

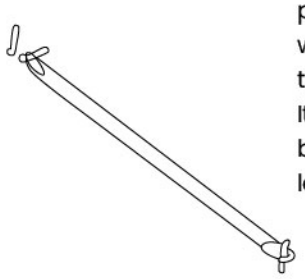
It is metal platform made of galvanized steel perforated sheet. Fixation by 4 U-shaped hooks with locking and anti-upheaval device.



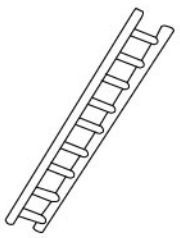
0.30 x 0.70m
0.30 x 1.00m
0.30 x 1.50m
0.30 x 1.80m
0.30 x 2.00m
0.30 x 2.50m
0.30 x 3.00m
0.20 x 0.70m
0.20 x 1.00m
0.20 x 1.50m
0.20 x 1.80m
0.20 x 2.00m
0.20 x 2.50m
0.20 x 3.00m

BRACE

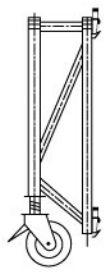
It consists in a tube Ø 38 provided at both ends with a wedge-locking bolt. It ensures the structure vertical bracing. Its size is determined by the braced bay height (H) and length (L).



H2xL0.7m	I=2.09m
H2xL1.0m	I=2.19m
H2xL1.5m	I=2.45m
H2xL1.8m	I=2.63m
H2xL2.0m	I=2.76m
H2xL2.5m	I=3.13m
H2xL3.0m	I=3.53m
H1xL0.7m	I=1.17m
H1xL1.0m	I=1.35m
H1xL1.5m	I=1.73m
H1xL1.8m	I=1.98m
H1xL2.0m	I=2.15m
H1xL2.5m	I=2.61m
H1xL3.0m	I=3.08m



LADDER / STAIR



DISPLACEMENT FRAME C/W CASTOR WHEEL

It enable the tableform or shoring structure to be adjusted up / down and to be moved freely.

Erection Procedures

1



Position jack base on the load distribution sole plates, at the intervals determined by the horizontal member. Fit the basis standards into the jack base. Fit the first plan braces, rings downwards.

2



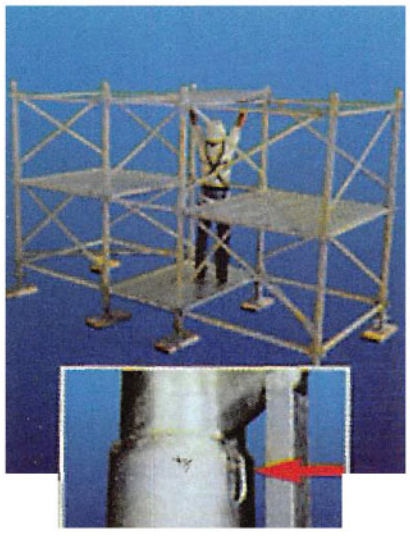
Clamp the first horizontal member. Inset and lock the first lift of triangle. Check the structure is level and plump.

3



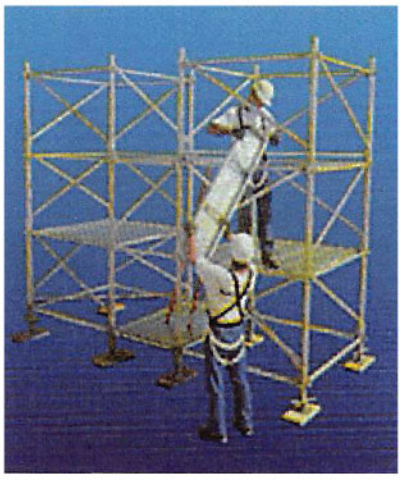
Still working form the ground, fit the second life of triangle, so that they face the opposite way. The triangle should be obligatorily pinned together.

4



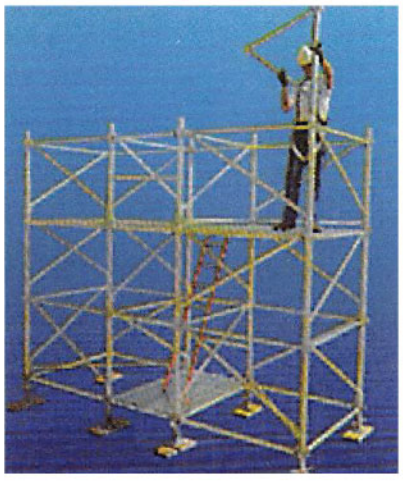
Position temporary erection platforms, and the definitive platforms and ladder in the access lift of towers in every 2 meters. Check that the structure is plump using the sighting device provided on each triangle sleevw. The upper and lower tubes should be in contact at each leg.

5



Erection must be carried out from inside the towers. Fit the second plan braces, reversed with respect to the previous ones. Fit the triangle at lift 3, observing the safety regulations, protected by the triangle of the lower lift. The temporary platforms from lift 1 are moved to lift 2.

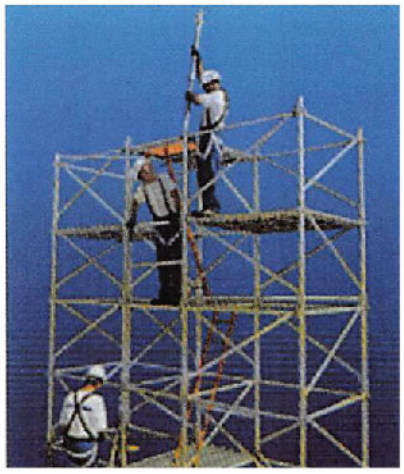
6



Fit triangle at lift 4, still working safety from the second platform. Reverse the direction of the triangle.

Erection Procedures

7



Position the new access platform and its ladder. Still working in safety from lift 3, protected by the triangle of life 4, insert the standard.

8



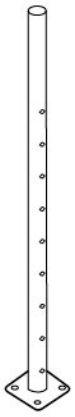
Link up the standard with the horizontal member; Fit U-head.

9



Complete the service platform for fitting girders, joists, wall pieces and formwork panels. This platform should remain in position to allow inspection of the slab underslide, as well as levelling, removing formwork and dismantling.

Components



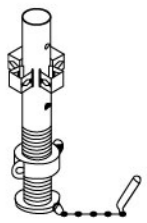
TRIANGLE STANDARD C60

It enables the tableform to be adjusted up to 1m.



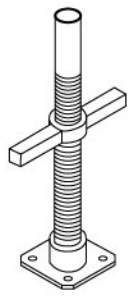
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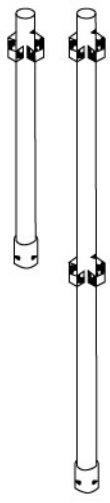
ADJUSTABLE C60 STANDARD

It enables fine adjustment of tableform.



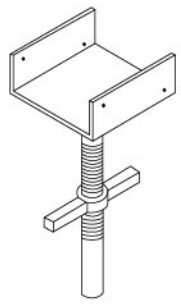
JACK BASE C60 / 1450

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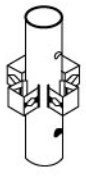
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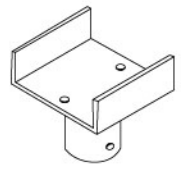
U-HEAD C60 / 600

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BASIC STANDARD C60

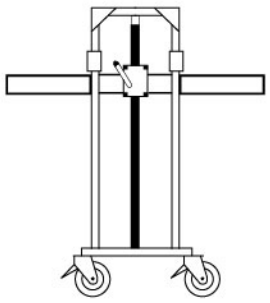
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U-HEAD C60 / TF

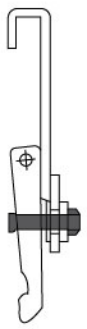
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Components



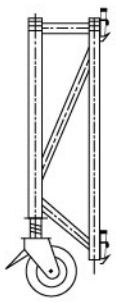
TABLEFORM TROLLEY

It enables the tableform to be adjusted up / down to 1m high and to be moved freely.



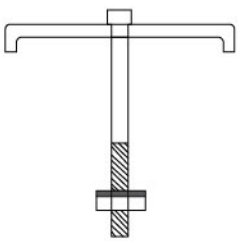
BASE HOOK

It secure the Jack Bases / U-Heads for lifting.



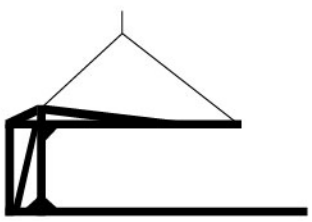
DISPLACEMENT FRAME C/W CASTOR WHEEL

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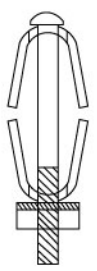
T-CLAMP

It secure the primary to the U-Heads.



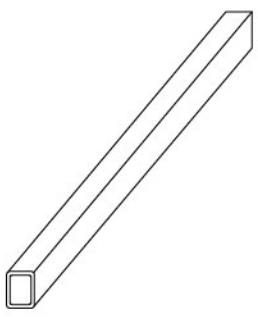
LIFTRING TRUSS

It enables the tableform to lift and fly.



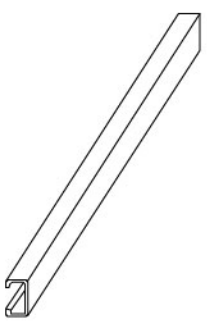
UNIVERSAL CLAMP

It secure the secondary to primary.



PRIMARY & SECONDARY

HT Beam



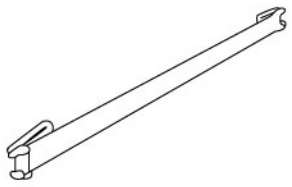
PRIMARY & SECONDARY

HT waler, HT Bearer & HT Runner.

Components

LEDGER

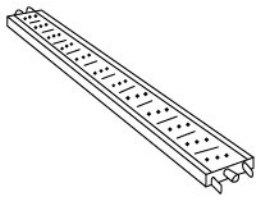
It is made of tube Ø48 and is provided at both ends with a wedge-clamp.



0.35m
0.50m
0.70m
1.00m
1.50m
1.80m
2.00m
2.50m
3.00m

WALKING BOARD

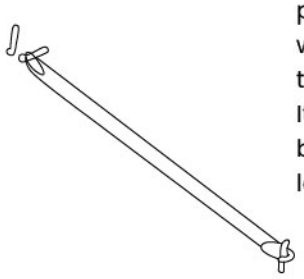
It is metal platform made of galvanized steel perforated sheet. Fixation by 4U-shaped hooks with locking and anti-upheaval device.



0.30 x 0.70m
0.30 x 1.00m
0.30 x 1.50m
0.30 x 1.80m
0.30 x 2.00m
0.30 x 2.50m
0.30 x 3.00m
0.20 x 0.70m
0.20 x 1.00m
0.20 x 1.50m
0.20 x 1.80m
0.20 x 2.00m
0.20 x 2.50m
0.20 x 3.00m

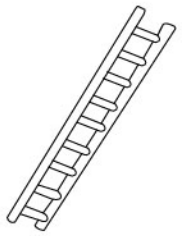
BRACE

It consists in a tube Ø 38 provided at both ends with a wedge-locking bolt. It ensures the structure vertical bracing. Its size is determined by the braced bay height (H) and length (L).



H2xL0.7m	I=2.09m
H2xL1.0m	I=2.19m
H2xL1.5m	I=2.45m
H2xL1.8m	I=2.63m
H2xL2.0m	I=2.76m
H2xL2.5m	I=3.13m
H2xL3.0m	I=3.53m
H1xL0.7m	I=1.17m
H1xL1.0m	I=1.35m
H1xL1.5m	I=1.73m
H1xL1.8m	I=1.98m
H1xL2.0m	I=2.15m
H1xL2.5m	I=2.61m
H1xL3.0m	I=3.08m

LADDER / STAIR



Introduction

Modular System Scaffold

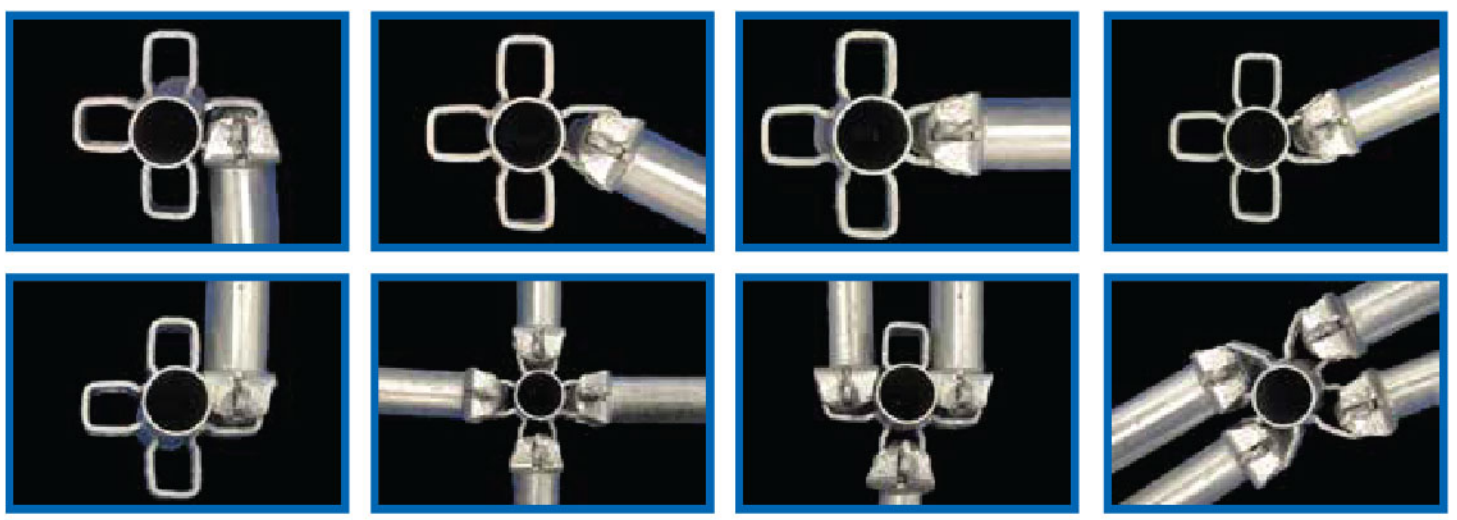
- **Design**
- **Sale**
- **Rental**



Modular system is manufactured and comply to European Standard HD 1000, British Standard BS 1139 : Part 5 and BS EN 12810 - 1 & 2 and approved by the Department of Occupational Safety and Health Malaysia.

MULTI-DIRECTIONAL SYSTEM

Connection at 20 Directions and more...

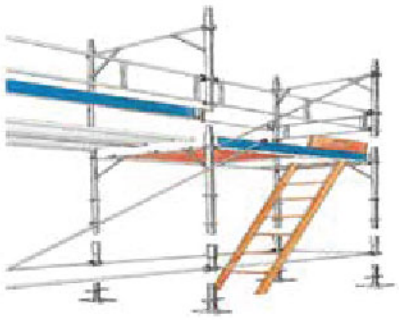


Introduction

Modular System Scaffold

MULTI-LEVELLED SYSTEM

Joint at every 500mm vertically







MODULAR SYSTEM SCAFFOLD

- Quick erection and dismantling
- Multi-level and Multi-directional
- Interchangeble and Flexible
- Error Free
- Durable



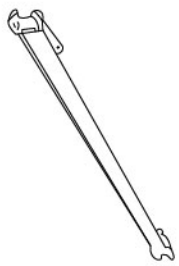
Components



STANDARD C25

It consist a tube Ø48 with four stirrups welded at 90° at 0.50m intervals. One end forms a spigot to centre the standards and avoid any disconnection. They can be pinned together.

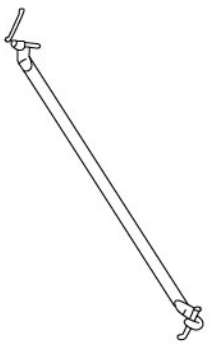
Standard 3.00m
Standard 2.00m
Standard 1.00m
Basic Standard



LEDGER

It made of tube Ø48, and is provided at the both ends with a wedge - clamp.

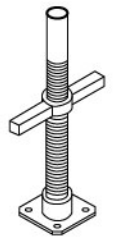
0.35m
0.50m
0.70m
1.00m
1.50m
1.80m
2.00m
2.50m
3.00m



BRACE

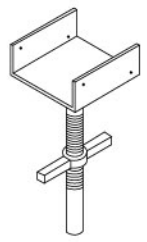
It consists in a tube Ø 38 provided at both ends with a wedge-locking bolt. It ensures the structure vertical bracing. Its size is determined by the braced bay height (H) and length (L).

H2xL0.70	I=2.09
H2xL1.00	I=2.19
H2xL1.50	I=2.45
H2xL1.80	I=2.63
H2xL2.00	I=2.76
H2xL2.50	I=3.13
H2xL3.00	I=3.53



JACK BASE C25 / 500

It enables to compensate the ground unevennesses.



U-HEAD C25 / 500

It is designed to accomodate primary, secondary, etc...

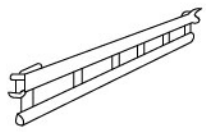


SOCKET BASE C25

When used with a castor wheel, it enables to erect mobile structures.



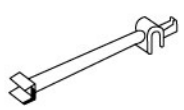
CASTER WHEEL



REINFORCED LEDGER

It enables to increase the Platform working load.

2.50m
3.00m



BOARD BEARER

It cuts the span of the boards which constitute the working or access areas.

0.70m
1.00m
1.50m
1.80m
2.00m
2.50m
3.00m

Components



REINFORCED BOARD BEARER

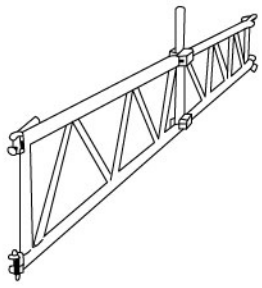
It cuts the too important spans of the boards. It cannot be disconnected by the wind effects under the platform.



TOE - BOARD

It is 150mm high in compliance with the regulations. It is secured by mere housing into the stirrups of the standards.

0.70m
1.00m
1.50m
1.80m
2.00m
2.50m
3.00m



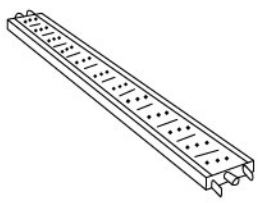
LADDER BEAM 4M OR 5M

They are used bridge passages. In the middle of the upper boom, they comprise a spigot for positioning a standard.



SMALL POST

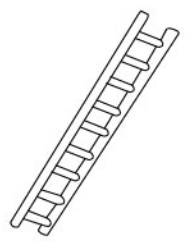
Equipped with a wedge-coupler, it is used at the end of a bracket, as a guard-rail post, or onto the horizontal members, in order to cut the span of storage or circulation areas.



WALKING BOARD

It is metal platform made of galvanized steel perforated sheet. Fixation by 4U-shaped hooks with locking and anti-upheaval device.

0.30 x 0.70m
0.30 x 1.00m
0.30 x 1.50m
0.30 x 1.80m
0.30 x 2.00m
0.30 x 2.50m
0.30 x 3.00m
0.20 x 0.70m
0.20 x 1.00m
0.20 x 1.50m
0.20 x 1.80m
0.20 x 2.00m
0.20 x 2.50m
0.20 x 3.00m



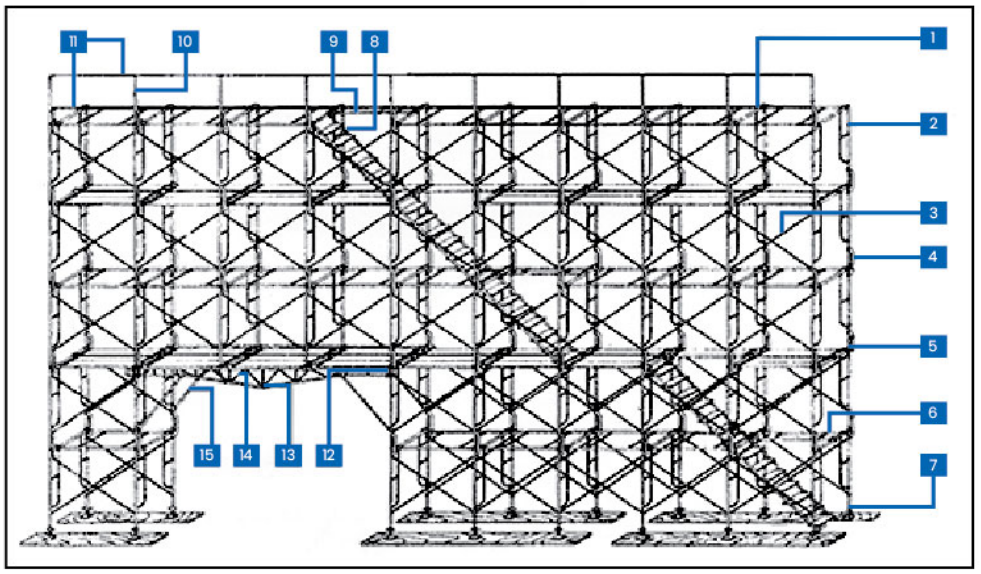
LADDER / STAIR



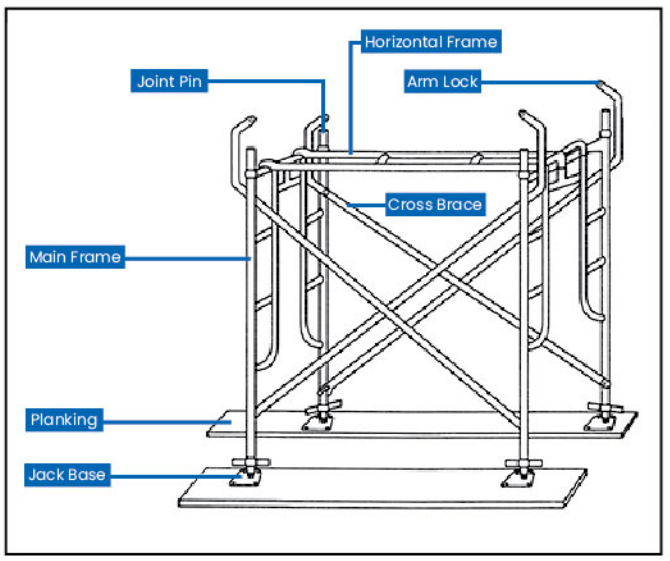
S-PIN C25

It is S-shaped and firmly secures the standard together.

Scaffolding Assembly



1. Horizontal Frame
2. Main Frame
3. Cross Brace
4. Arm Lock
5. Joint Pin
6. Catwalk
7. Jack Base
8. Stairs
9. Horizontal Frame
10. Guard Rail Post
11. Guard Rail
12. Truss Hanger
13. Truss
14. Truss Girt
15. Truss Support



COMPONENTS OF ASSEMBLING

1. **Wooden planks**
   Clean site and lay the wooden planks at the ground in horizontal position.
2. **Jack base**
   It is a base seat for adjusting and fixing the required scaffolding length above the wooden planks.
3. **Main frame**
   Insert the main frame into jack base section in perpendicular position.
4. **Cross brace**
   For fixing the main frame in each span of scaffolding.
5. **Arm lock**
   It is a joining part of high rising and staging.
6. **Joint pin**
   Insert into the top of main frame for joining the required dimension.
7. **Horizontal frame or catwalk**
   It is a lateral pipe frame used for fixing the main frame to complete the first floor scaffolding. It can be erected with about 2 to 4 spans in each high rising alternately.

8 **Wall tie (Keeper joint)**
Use wall tie to prevent the frames from swaying down due to strong wind and unstable ground. Fasten the ties to walls every four (4) spans horizontally and every four (4) frames, vertically.

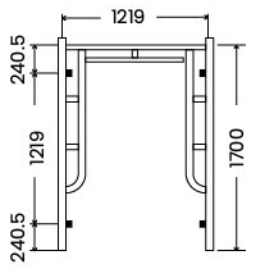
Note: - Fix the open-end frames firmly at their corners using wall tie after assembly.

RECOMMENDED SAFETY RULES.

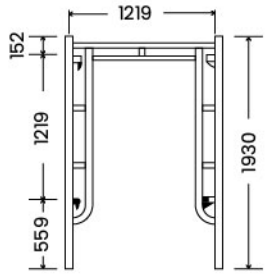
1. **FOUNDATION** Provide adequate sills on planks to spread the load on soft ground and use adjustable base plate.
2. **VERTIVAL FRAME** (2.1) Make sure that all Vertical frames are plumb and level at all times. Do not force Diagnol braces to fit. (2.2) Use Joint Pin to join Vertical frames. (2.3) Check secure locks of every Joint Pin of Vertical frames.
   WALKING FRAME OR WALKING PANEL Use Horizontal frame or steel planking at bottom, top and every 5 Vertical frames high at least.
3. **CROSS BRACE** (4.1) Fasten all Cross Brace securely. (4.2) Never .climb on Cross Brace.
4. **TRUSS FRAME** Place Truss support when using Truss Frame.
5. **WALL - TIE (Keeper Joint)** On wall scaffolding, place wall - tie securely to structure at least every 8m. of Length and 6m. of height. Insert into the top of main frame for joining the required dimension.
6. **LOAD** Never overload any scaffolding at any time. See page 7 for Allowable Load.
7. **IMPORTANT** Always keep equipment in perfect condition and never use even slightly damaged materials.

Scaffolding Items

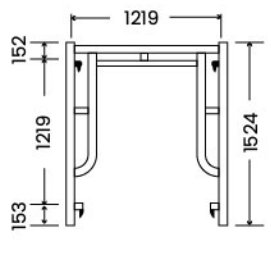
A4055B
Main Frame



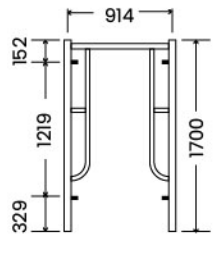
A4064
Main Frame



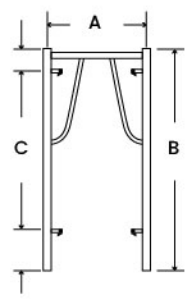
A405
Main Frame



A3055
Main Frame

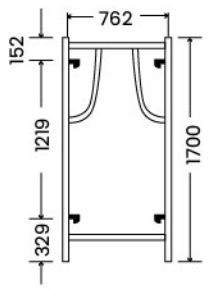


A25
Main Frame

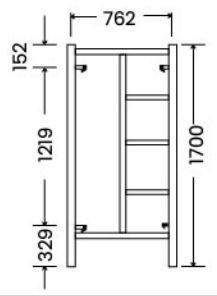


CODE	A	B	C
A2555	762	1700	1219
A255	762	1527	1219
A254	762	1219	914
A253	762	914	610
A2519	762	490	280
A2566	762	2000	1219

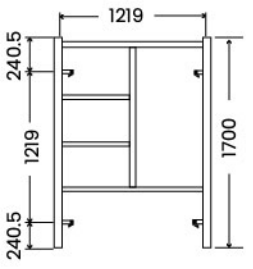
A2555B
Main Frame



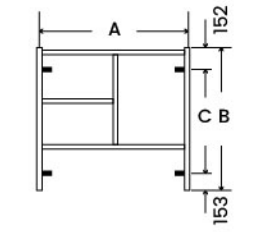
A2555L
Ladder Frame



A4055L
Ladder Frame

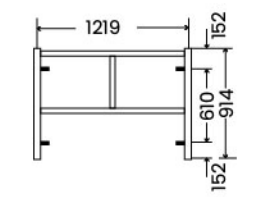


A404L
Ladder Frame

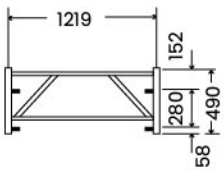


CODE	A	B	C
SF -1215	1219	1524	1219
SF - 1212	1219	1219	914

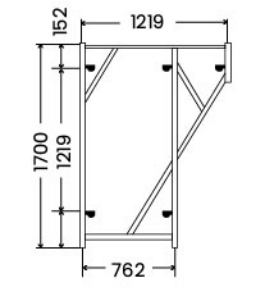
A403L
Ladder Frame



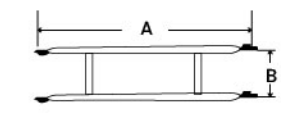
A4017L
Ladder Frame



A4055BF
Bracket Frame

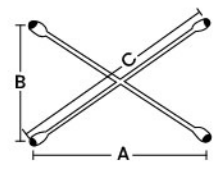


A8040
Horizontal Frame



CODE	A	B
A-8020	1829	450
A-8030	1829	745
A-8040	1829	1050

Cross Braces



Item No.	A	B	C
A-14	1829	1219	2198
A-11	1524	1219	1952
A-13	1219	1219	1724
A-19	1829	914	2045
A-18	1524	914	1777
A-012	1219	914	1524
A-08	1829	610	1928
A-9	1524	610	1642
A-12	1219	610	1363
A-09	914	610	1099
A-16S	1829	280	1850
A-16	1524	280	1549

Scaffolding Items

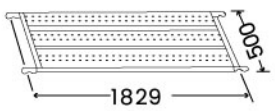
Allowable Load and Maximum Height

A) An allowable load placed on one (1) span of the horizontal frame is under 400kg and a concentrated load is under 200kg.

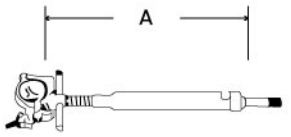
B) An allowable load placed on the open-end frame is 4 tons and the total load is evenly placed on one scaffolding unit.

C) The open-end framed should be jointed upto the height of 45 meters in principle, but can be erected upto 110 meters as shown and proved in the past record of the construction work.

BKN6
Catwalk

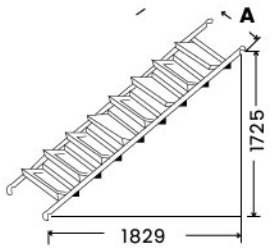


WT200
Wall Tie



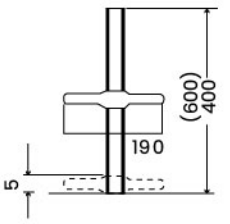
CODE	A
WT - 200	200 - 240
WT - 300	240 - 320
WT - 400	320 - 480
WT - 600	480 - 670
WT - 800	670 - 860

K3055S
Stair

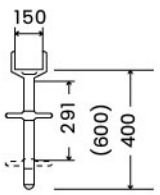


CODE	A
K 4055S	650
K 3055S	450

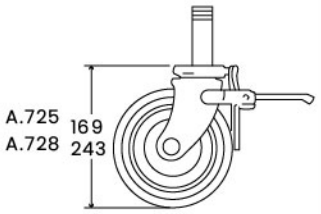
A752T/A752TS
Jack Base



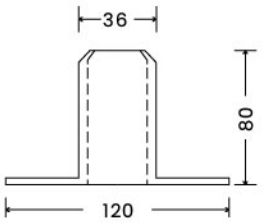
A752HT/A752HTS
U - Head



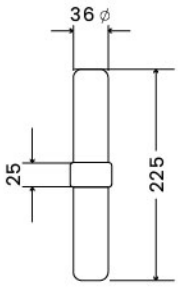
A728 CASTER
Size: 243



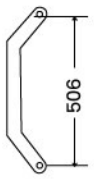
A15
Base Plate



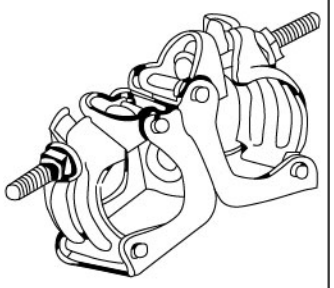
A20
Joint Pin



A506
Arm Lock

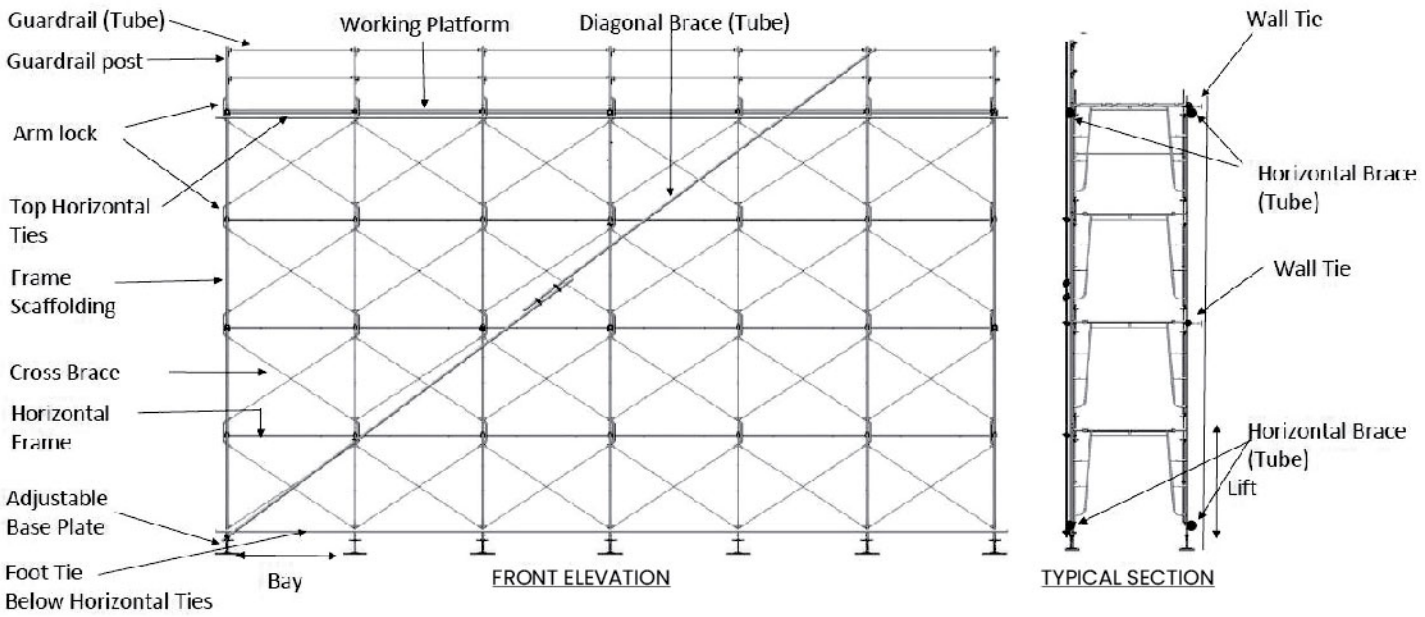


A 486S/R
Free Size Clamp

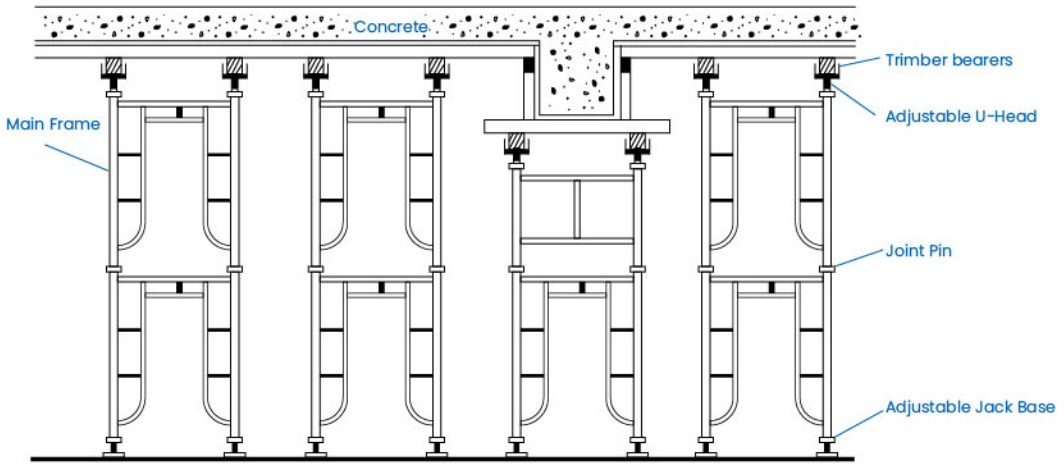


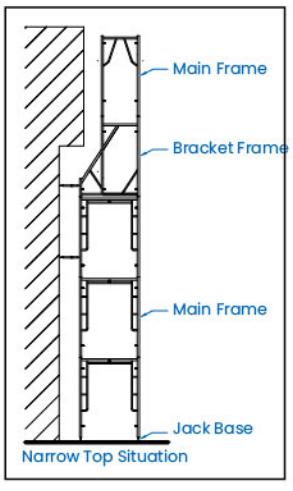
Instances of Scaffolding

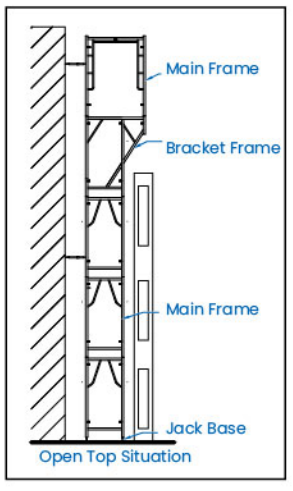
TYPICAL WALL SCAFFOLD LAYOUT

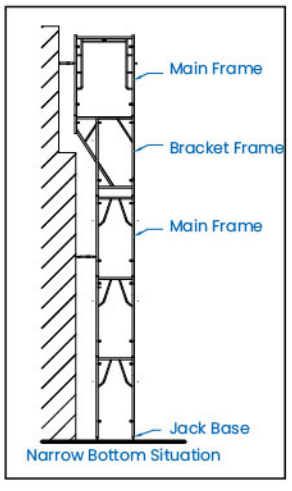


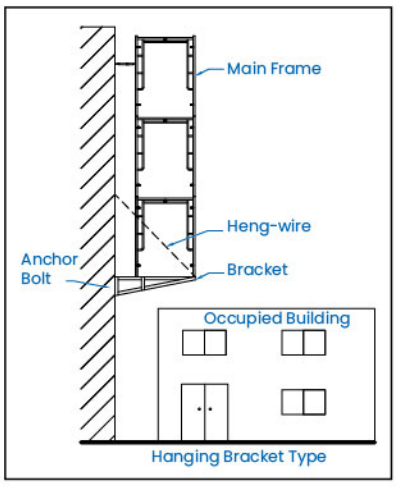
TYPICAL SHORING LAYOUT











There are many construction sites which require special featutes for scaffolding.
The above instances will be preferred to meet the assembling works.