ADSF

Al Dhabi Scaffolding

Build Strong, Build with Quality.

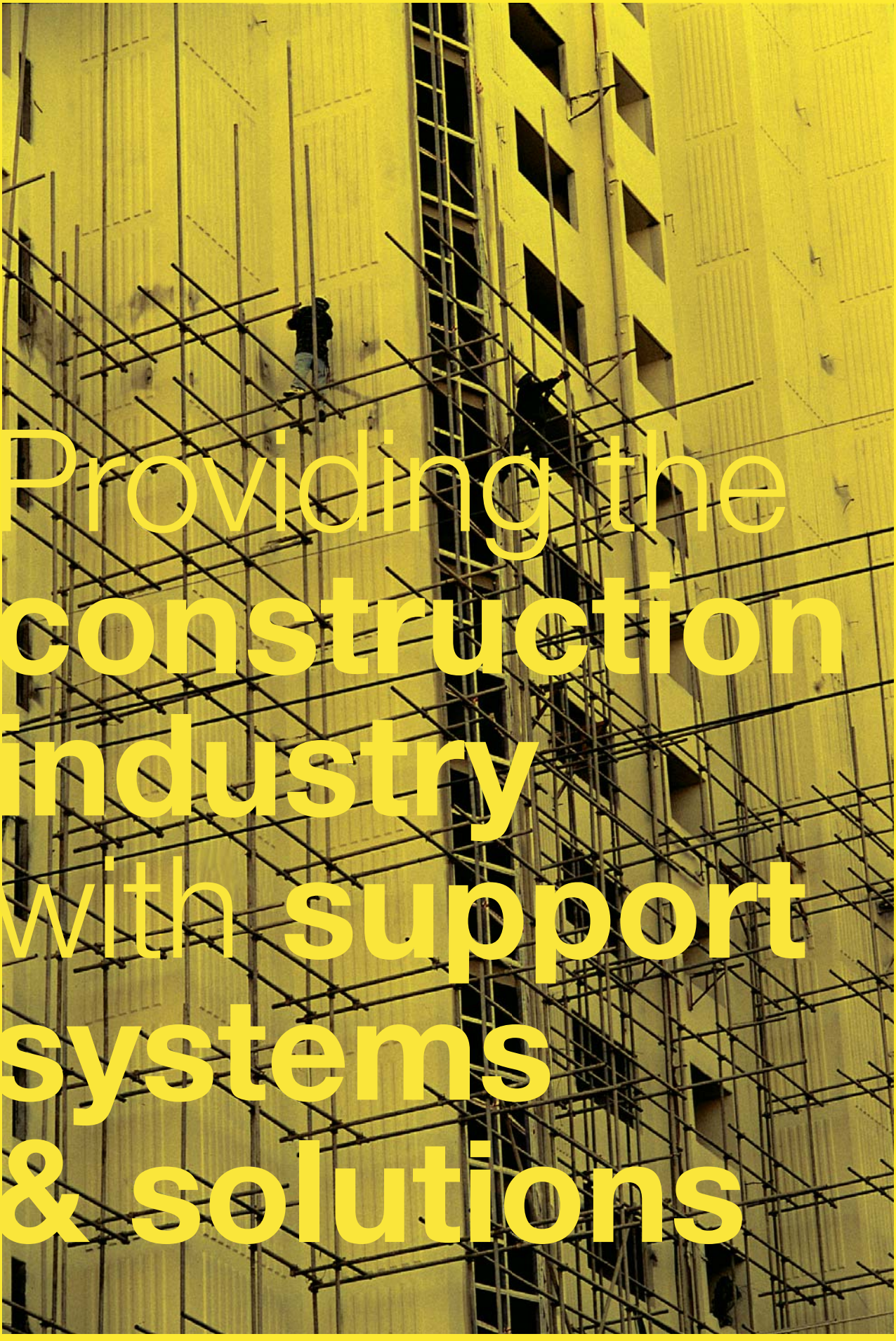
AL DHABI SCAFFOLDING

Al Dhabi Scaffolding is dedicated to providing the construction industry with concrete systems that meet the exacting demands of International and British Standards and Codes; while ensuring that such material and equipment is readily available for the Group's construction activities and for supply to other contractors both locally and internationally.

A workforce of individuals, comprising of skilled technicians, internationally trained managers and highly qualified teams of structural engineers, are constantly immersed in the design and development of forming, decking and scaffolding systems. The goal of our system is to minimize the number of parts and formwork accessories, used to simplify and speed up erection and dismantling, ultimately leading to labor savings. Its existing monthly production capacity of 1000 tonnes has an abundant scope for enhancement should the necessity arise. This is just the beginning of an entrepreneurial edifice poised for yet greater challenges that the future holds in store for it.

Products and comprehensive services offered by ADSF range from:

- Slab support and decking with ADSLock / Kwick Stage System
- Wall formwork with heavy duty soldiers
- Access scaffolding with ADSLock / HD Kwick Stage System
- Medium and heavy duty props
- Light weight access scaffolding - Korean and Half Ladder Frames
- Light & heavy duty mobile towers
- All scaffolding fittings, tubes and accessories
- Quick release Shuttering System - TABLA
- Aluminium Mobile Towers
- Mast Climber System - HYDRO MOBILE
- Aluminium and Steel Cradles


Providing the
construction
industry
with support
systems
& solutions

Al Dhabi Scaffolding

INTRODUCTION

ADSF distinguishes itself from other scaffolding companies by offering complete turnkey scaffolding solutions. ADSF consists of three specialized divisions: rental, erection and manufacturing – which seamlessly work in conjunction with each other to provide innovative, cost-effective and timely solutions to all your scaffolding needs.

ADSF team produces the highest quality product for all form and false work solutions. With using the highest quality materials, ADSF delivers a product that can stand time after time the harsh environment of the construction world.

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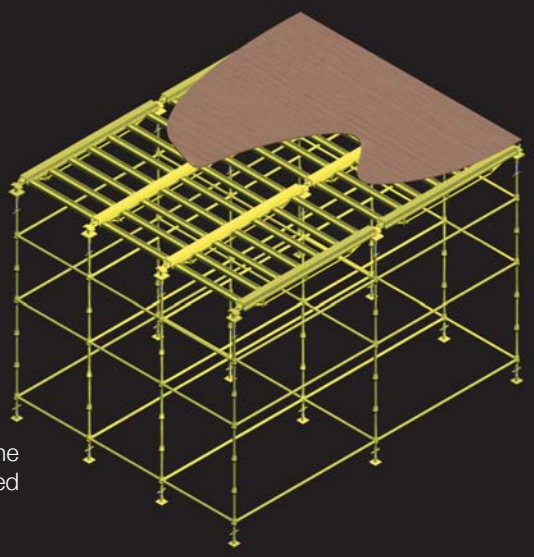
ADLOCK SUPPORT & DECKING SYSTEM



Our ‚ADLock„ Support & Decking System is a multipurpose, safe and versatile scaffold system (erected with the least number of moving parts) thus providing efficiency in speed and savings on cost. The versatility of the decking systems enables it to provide a supporting grid for Beam and Trough as well as Flat & Hourdi slab construction.
The Drop Head system allows early striking (3-4) days which enables the Decking, Infill & the Plywood to be removed leaving the support to the slab intact & in contact with the concrete till the curing period.

FAST EFFICIENT & SECURE ASSEMBLY

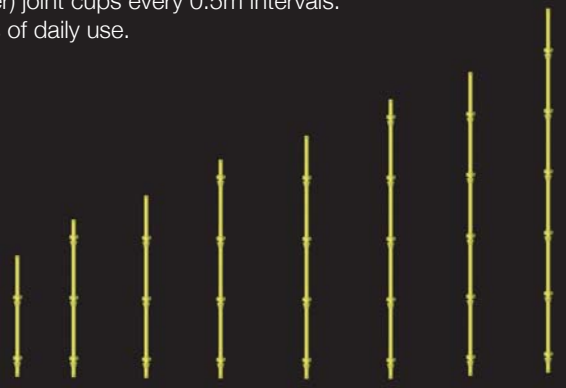
With this system, erection of support work is fast, efficient and secure due to the fact that there are no moving parts like nuts & bolts. The Ledger ends are placed on the bottom cups, the top cup turned in position and hammer tightened.

ADLOCK SYSTEM COMPONENTS

1. STANDARDS

Vertical element in 9 standard sizes with the horizontal element (Ledger) joint cups every 0.5m intervals.
The top cups are castings made of high grade steel to allow the rigors of daily use.
The bottom cups are high grade pressed steel.

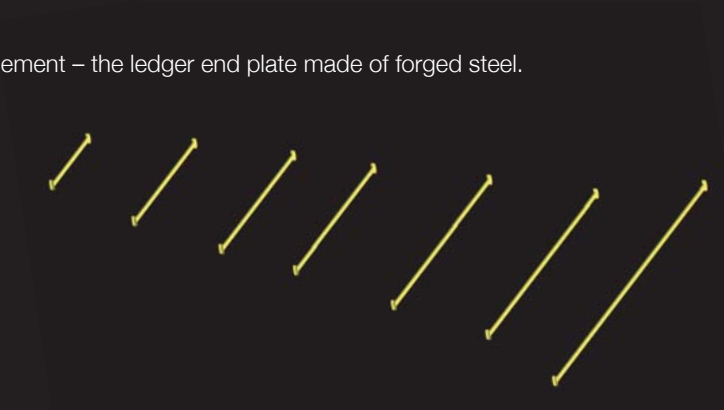
Length (mm)	Weight (Kg)
1000	5.33
1300	6.62
1500	7.10
1800	8.70
2000	9.30
2300	11.60
2500	12.04
2800	15.00
3000	15.80



2. LEDGERS

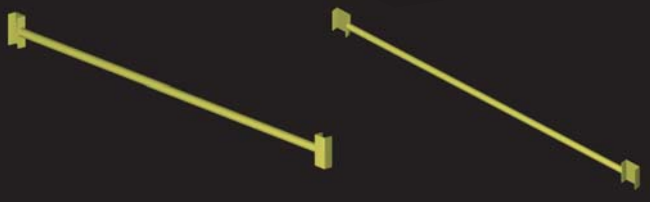
Horizontal element in 9 standard sizes with the locking element – the ledger end plate made of forged steel.

Length (mm)	Weight (Kg)
600	2.44
800	3.08
900	3.26
1000	3.66
1200	4.80
1300	5.00
1600	6.04
1800	6.24
2500	8.60



3. INTERMEDIATE TRANSOM

Length (mm)	Weight (Kg)
1000	5.9
1200	6.1
1300	6.4
1800	8.1
2500	10.5



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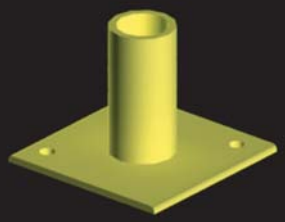
ADLOCK SUPPORT & DECKING SYSTEM

BEAM BRACKET

This component used in conjunction with the Standard eliminates the use of Props in situations where the minimum distance two support grids is greater than standard Ledger sizes. It also allows accommodation of Drop Beam support within a supporting grid.

4. SOCKET BASE

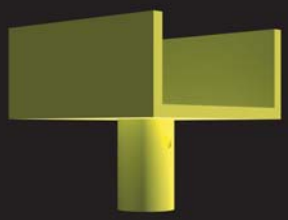
A multi purpose component – combines with the Drop Head to make up the Drop Head assembly and also when bracing to the base is required it can be used in combination with the Universal Jack to make up the base component.



Height (mm)	Weight (Kg)
110	1.4

5.„U„ HEAD

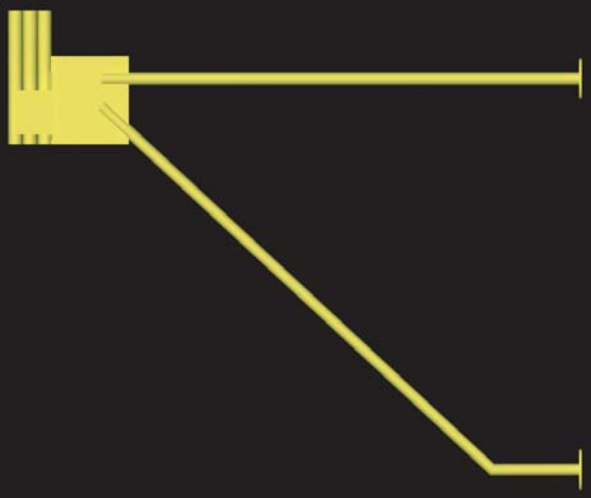
Used with the Universal Jack to take on Timber, Aluminium or Steel when these are used as Primary Decking elements. It is also used as the base support when 'Steel Soldiers' as used to span across voids in the base slab.



Length (mm)	Width (mm)	Weight (Kg)
150	170	2.9
200	186	5.0

6. CANTILEVER FRAME

Used when support on the base slab is not possible specially when drop beams around the perimeter of the buildings needs to be supported and the earth around the building is not levelled / compacted and in most cases form the first floor onwards to either support the drop beams or as access for the working personnel.

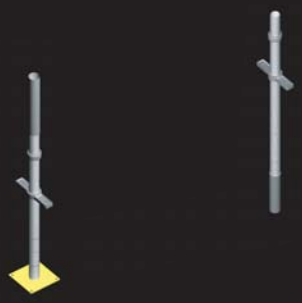


Three hollow tubes at the edge allows slight adjustments from 1.2m to 1.3m and they come in 2 sizes – 1.0m & 1.5m

Length (mm)	Lift Height (mm)	Weight (Kg)
1625	1.0	15.5
2010	1.5	18.0

7. UNIVERSAL JACK & BASE JACK

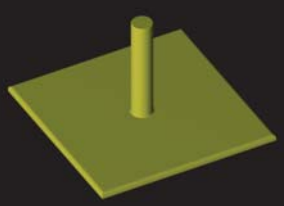
Allows adjustments in height at either the top or the bottom of the support



Length (mm)	Effective Range (mm)	Weight (Kg)
760	520	3.9

8. BASE PLATE

Used when the combination of Base Jack, Standard, Universal Jack & Drop Head Assembly is not possible due to tricky heights. It also transfers the load from the Standard evenly.



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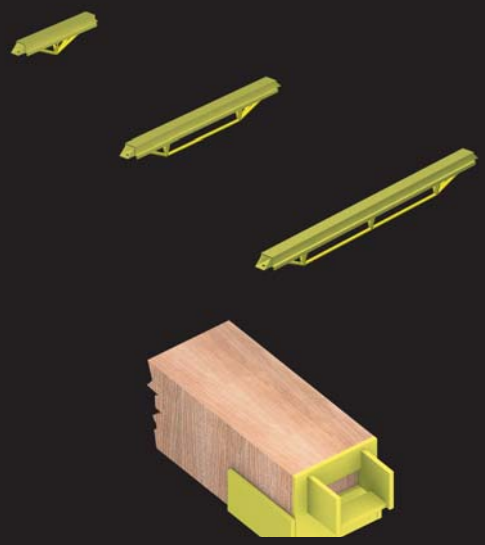
ADLOCK SUPPORT & DECKING SYSTEM

DECKING SYSTEMS



9. DECKING BEAM

This main decking member is light weight due to the use of high grade steel. Heavy Duty pressings at the ends help it withstand rigors of daily site use. Slots at the ends take on the tongue of the Drop Head.
Width of the top flange is 100mm. It comes in 3 standard sizes.

Effective Length (mm)	Flange Width (mm)	Weight (Kg)
1.2	100	12.5
1.8	100	18.1
2.5	100	28.2

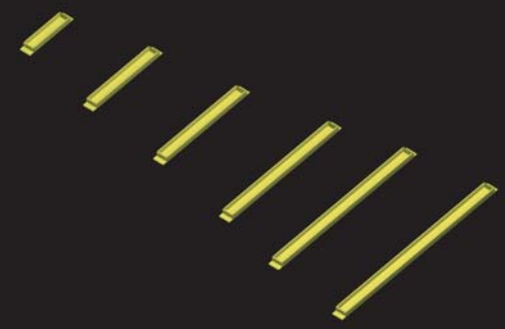
10. DECKING BEAM SHOE

An element that allows usage of special lengths of timber as a decking element in conjunction with the Drop Head.

11. INFILL BEAM

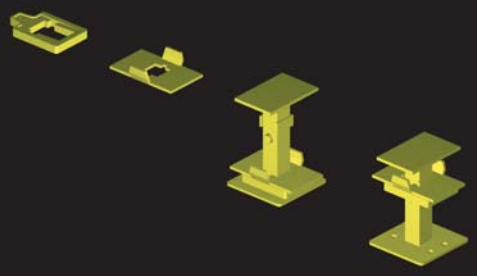
This secondary decking element is placed in between (at 90 deg. to) the main decking members filling up the gaps to maintain allowable plywood spans. This component comes in 6 standard sizes.

Actual Length (mm)	Weight (Kg)
500	4.0 (2.0mm thk.)
800	4.8 (2.0mm thk.)
900	5.0 (2.0mm thk.)
1200	7.0 (2.0mm thk.)
1500	9.0 (2.0mm thk.)
1700	10.0 (2.0mm thk.)



12. DROP HEAD

This component enables the early striking of the system allowing the Decking & the Infill Beams along with the plywood to be removed for re-use on upper levels in 3 to 4 days of concrete pour. Before, during and after the early striking the top plate of the Drop Head maintains contact with the concrete which can be left in position till the concrete is cured.



Height (mm)	Top Plate (mm)	Weight (Kg)
214	150 X 100	5.1

TECHINICAL INFORMATION ON SLAB SUPPORTING GRIDS

Bay sizes – inversely proportional to the slab / beam thickness are showed in the following tabular form.

Slab / Beam Thickness		Bay Size
From	To	
150mm	250mm	2.5m X 1.6m
250mm	350mm	2.5m X 1.3m
250mm	350mm	1.8m X 1.8m
350mm	400mm	1.8m X 1.6m
400mm	500mm	1.8m X 1.3m
500mm	750mm	1.2m X 1.3m
750mm	1000mm	1.2m X 1.0m
1000mm	1750mm	1.2m X 0.6m

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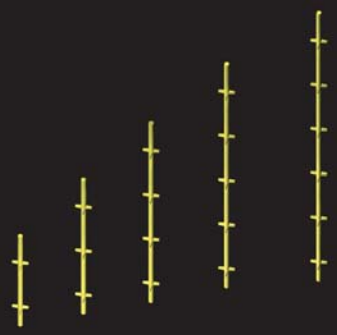
ADS QUIK STAGE SYSTEM COMPONENTS

EARLY STRIKING

ADS QUIK STAGE SYSTEM

A fast, economical and sturdy support system designed to enable quick setting up and dismantling specially due to the lack of loose elements. The Drop Head allows Decking Beams on all four directions making the system more versatile to site conditions.

ADS Quik Stage Support & Decking Layout

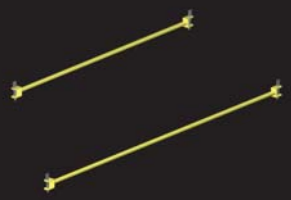


1. STANDARDS

A vertical support element, it is available in either 'metric' or 'imperial'. It has 'V' pressings welded at every 495mm Intervals In 4 directions at 90 degs to adjacent 'V' pressings. Load bearing capacities of these Standards are 40kN & 55kN. Standards of a higher Load bearing capacity of 75kN are available on special orders.

Length (Feet)	Weight (Kg)
4' 10 ½" Standard	8.0 kg
6'6" Standard	11.5 kg
9'9" Standard	17.5 kg

Length (mm)	Weight (Kg)
Heavy Duty Standard 1000 mm	5 kg
Heavy Duty Standard 1500 mm	8kg
Heavy Duty Standard 2000 mm	11.9 kg
Heavy Duty Standard 3000 mm	17.9 kg



2. PROPPING TIES

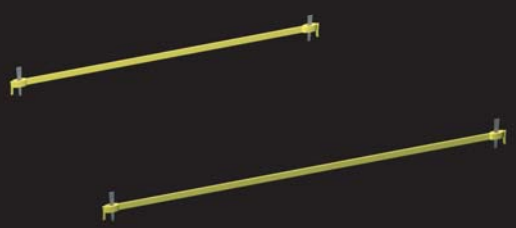
A horizontal support element, it has 'C' pressings designed to lock on to the 'V' pressings of the Standards.
These are available in the following sizes:

Length (mm)	Weight (Kg)
1200 mm	5.4 kg
1800 mm	7.4 kg
2400 mm	9.7 kg

3. LEDGERS

Another horizontal support element, it has 'J' pressings at two ends designed to easily lock on to the 'V' pressings of the Standards.
These are available in the following sizes:

Length (Feet)	Weight (Kg)
2'8" Ledgers	3.5 kg
4'2" Ledgers	5 kg
6' Ledgers	7.4 kg
8' Ledgers	9.3 kg



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ADS QUIK STAGE SYSTEM COMPONENTS

4. SHORING TIES

It's a horizontal support element designed with cast 'C' pressings to easily lock on to the 'V' pressings of the Standards. It's available in the following sizes:

Length (mm)	Weight (Kg)
600 mm	4.2 kg
900 mm	5.41 kg
1200 mm	7.3 kg
1800 mm	8.8 kg
2400 mm	11.13 kg
3000 mm	13.9 kg

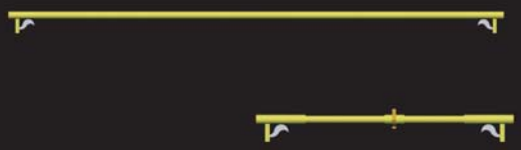
5. TRIGGER BRACES

A diagonal bracing component, its designed with pins at both ends to easily lock on to the holes in the cast 'C' pressings of the Shoring Ties providing fast and sturdy bracing. It's available in the following sizes:

Length (mm)	Weight (Kg)
2400 x 2000 mm	10.81 kg
1800 x 2000 mm	9.43 kg
1200 x 2000 mm	8.37 kg
1800 x 1500 mm	8.27 kg
1800 x 1000 mm	7.3 kg
1200 x 1500 mm	7.0 kg
1200 x 1000 mm	5.72 kg

6. TRIGGER BRACE JACK

Used with the Top & Bottom adjustable Jacks and the Drop Head before final levelling.



Range (mm)	Weight (Kg)
1900 to 2700	12.6
1100 to 1900	9.25
800 to 1300	7.8

7.SPIGOT ADAPTOR

It's used to connect two Standards vertically specially in higher soffit heights.

8. TRANSOMS

Designed to fit into the 'V' pressings of the Standards, these inverted 'T' section ional element comes in two different types, the 'C' pressing ends ones and the 'J' pressing end ones. They are designed thus to accommodate the Scaffold Boards.

(a) 'J' Pressing	Length (Feet)	Weight (Kg)
	4'2"	7.2
	2'8"	5.2

(b) 'C' Pressing	Length (mm)	Weight (Kg)
	793	5.3
	1250	7.4
	1800	15.0
	2400	20.0

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ADS QUIK STAGE SYSTEM COMPONENTS

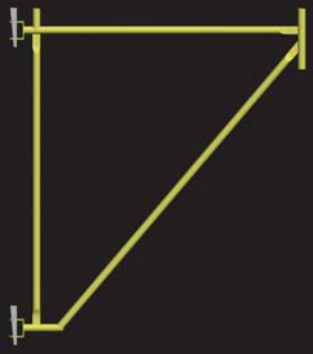
9. RETURN TRANSOMS

To avoid overlaps in right angle scaffolding extensions, these Transoms are used.

'J' Pressing Length (Feet)	Weight (Kg)	'C' Pressing Length (mm)	Weight (Kg)
4'2"	10.0	1250	13.0
2'8"	8.7	793	8.0

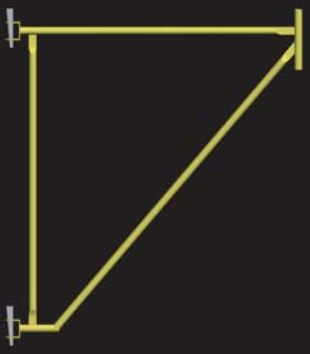
10. BEAM BRACKET

Available in two standard sizes, 1.0 & 1.5m it's used in tight situations where support to the ground is not possible / desirable.



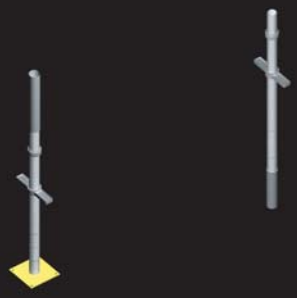
11. CANTILEVER FRAME

Available in two standard sizes of 1.5m & 1.0m. It's an element that continues the Decking / Infill to outside the perimeter of the building for support to the Slab & Beams or as an Access platform for personnel access.



12. CANTILEVER BEAM FRAME

An Extension element normally used in the perimeter of the building specially as support to Drop Beams on higher floors were support legs cannot be brought from the ground level. Available in two standard sizes of 1.5m & 1.0m



13. HEAVY DUTY SPIGOT JACK

An adjustable Jack normally used under the Drop Head for adjustments at the top made of high grade steel with rolled thread allowing adjustments to a maximum of 520mm with a tubular lock welded towards the top end to lock the Drop Head in position.

14. TIE BARS

These are available in the following sizes:-

Length (Feet)	Weight (Kg)
8'0"	7.2
6'0"	5.4
4'2"	3.8
2'8"	2.3

15. DROP HEAD

A unique design whereby both Decking & Infill can be loaded on in all four directions. The dropping mechanicism allows the decking and Infill along with the plywood to be removed for reuse without disturbing the support work which can be left undisturbed till the concrete is cured.

Al Dhabi Scaffolding

ADS QUIK STAGE SYSTEM COMPONENTS

16. DECKING BEAMS

Heavy duty decking elements designed to allow one decking beam to sit on another at 90 degs. to each other making the Decking / Infill layout versatile. It's available in the following sizes….

17. INFILL BEAMS

This decking component is used in between the Decking Beams reducing the gaps to allow plywood to span within allowable limits. It can also be loaded on to the Drop Head.

ASSEMBLY OF ADSF QUIK STAGE DECKING ON THE SUPPORT SYSTEM

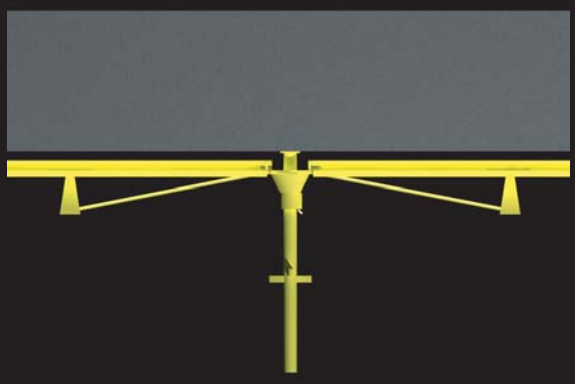
1. Space out Base Jacks, Plane bases or Socket base/Spigot Jack assembly as per the Layout on the Shop Drawings provided.
2. Fix a Standard on the Base Jack and two Propping Ties or Ledgers at the lowest 'V' pressings of the Standard at right angles to each other as per the sizes specified in the drawing. Do not tighten.
3. Attach another Standard adjacent to the first Standard and fix the Ledger/Propping Tie to the 'V' pressing repeat this with a third Standard and complete a right angled corner.
4. Add another standard and two Ledgers/Propping Ties and complete a square/rectangle formation.
5. Add another layer of Ledgers/Propping Ties on top of the previous one at intervals as shown on the provided Shop Drawing. Fix Spigot Jacks on top of the Standards to take on the Drop Heads and fix diagonal Bracings as per the Shop Drawings provided.
6. Now add the Decking and Infill Beams to complete the Decking layout. Hammer tighten all the wedges on the 'V' pressings.
7. Adjacent supporting grids can be fixed in a similar manner to complete the layout.

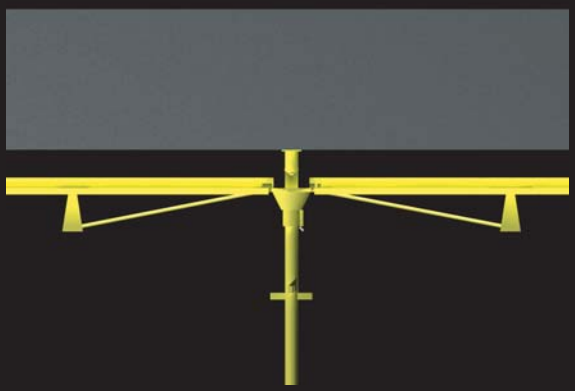
DISMANTLING OF THE SYSTEM

Dismantling follows the whole process in reverse order whether the 'Early Striking' method is followed or not.

15. EARLY STRIKING

Decking and Infill Beams can be removed before the concrete attains the required strength by striking the Drop Head lock whereby the Decking / Infill plate on the Drop Head drops allowing easy removal of the Decking system for reuse to upper floors thus gaining concrete production by adding only one set of Supporting Components.





ADSF QUIK STAGE AS HEAVY DUTY ACCESS SCAFFOLDING

Made up of mostly the same components as the Falsework counterpart, this system offers very strong access scaffolding to meet stringent needs specially in load bearing terms. It's also highly adaptable to difficult situations due to its versatility.

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ADS QUIK STAGE SYSTEM COMPONENTS

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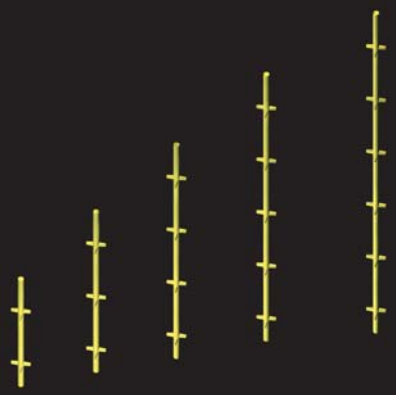


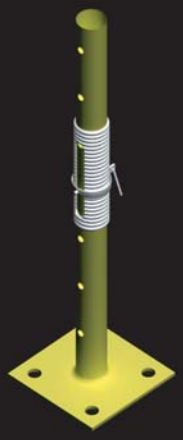
1. STANDARDS

A vertical support element, it is available in either ‘metric’ or ‘imperial’. It has ‘V’ pressings welded at every 495mm Intervals In 4 directions at 90 degs to adjacent ‘V’ pressings. Load bearing capacities of these Standards are 40kN & 55kN. Standards of a higher Load bearing capacity of 75kN are available on special orders.

2. GUARD RAIL LEDGERS

These Guard Rail are used as Ledgers connecting the Standards. These come in the following sizes:-

Length (Feet)	Weight (Kg)
8’0”	11.3
6’0”	8.2
4’2”	5.8
2’8”	3.9
2’2”	3.7

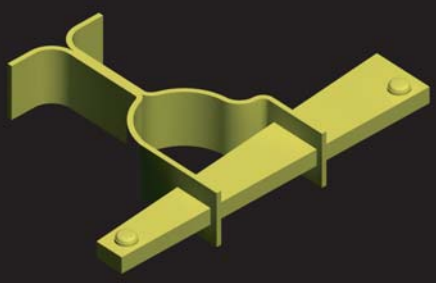


3. ADJUSTABLE HEAD & BASE JACK

Comprising of an inner & outer tube, the jack can be adjusted for height using the heavy duty pin on the outer tube. Finer adjustments can be made utilizing the threaded collar.

4. END TOE BOARD BRACKET

Used at the end of a scaffold run when a Toe Board is required.



5. TOE BOARD BRACKET

Clamp and wedge connection for Toe Board to Standard

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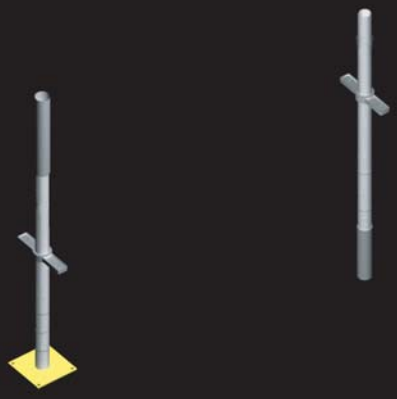
ADS QUIK STAGE SYSTEM COMPONENTS



6. SPIGOT & BASE JACK

Description	Weight (Kg)
Universal Jack	5.3
Base Jack	6.4

7. DIAGONAL BRACES

Component with 'C' pressings fixed as a swivel on the sides of both ends allows quick & hassle free diagonal bracing on the Standards.

Length (Feet)	Weight (Kg)
12'0"	13.8
9'0"	10.8

8. CANTILEVER PLATFORM BRACKET

Designed to fit into the 'V' pressings of the Standards, these inverted 'T' section ional element comes in three different sizes. They are designed to provide Scaffold Boards as cantilever access platform.

Description	Weight (Kg)
3 Board Bracket	6.0
2 Board Bracket	5.4
1 Board Bracket	2.0

9. STEEL BOARD

It is available in three different sizes:

Length (Feet)	Weight (Kg)
8'0"	16.0
6'0"	12.2
4'0"	8.3

10. STEEL SCAFFOLD BOARD

Scaffold Board designed with steel making it highly durable and providing sturdy access platforms. Load bearing of these boards are 500 kg / bay. It comes in standard width of 225mm.

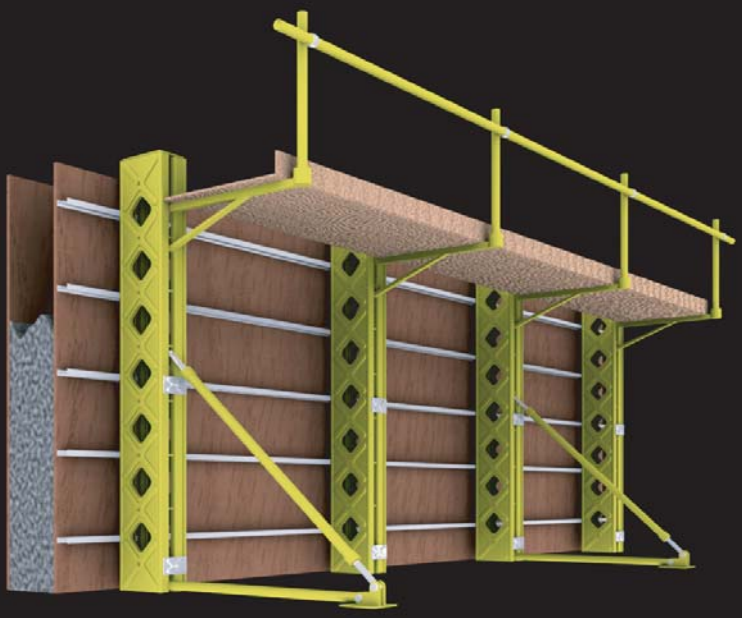
Al Dhabi Scaffolding

ADS HEAVY DUTY SOLDIER SYSTEM

1. ADS HEAVY DUTY SOLDIER SYSTEM

The ADS Soldier is designed to be light weight but capable to handle immense loads. In applications with Aluminium Wailings, the system can be utilised to the optimum economies by increased spaces between the Soldiers thereby reducing the no of ties thus reducing the time required to erect / dismantle.

- Deflections can be minimized even when faced with high concrete pressures.
- Soldiers and Aluminium Wailing combination enhances productivity by reducing the no of vertical elements in the formwork resulting in less No. of ties. Can also be utilized for Non-Formwork applications.
- Availability in different standard sizes optimizes adaptability.



2. WALL FORMS

ADS Soldiers used in combination with Aluminium Walers, afford economical solutions to simple as well as complex concrete structures. It also provides high resistance to concrete pressures whereby deflections are kept to within allowable limits thus saving costs in repair works.

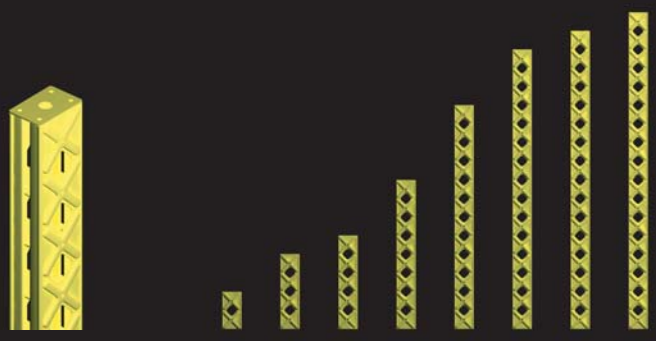
This combination also allows ease in assembling and dismantling the formwork. The timber inserts in the Aluminium Walings provide easy fixing of the plywood.

The versatility of the Soldier system, allows the Soldier to be used as Heavy Duty inclined Propping when used with Left & Right Jacks in instances were the pour height is substantial. It can also be used as Vertical Heavy Duty Propping for Heavy Structures.

The 15mm Tie System with a SWL of 90kN optimises the full potential of the Soldier System.

3. ADS HD SOLDIERS

Available in eight standard sizes,
Non-standard sizes can also be made to order.

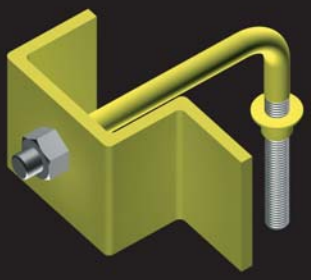


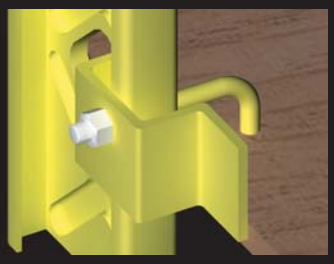
Al Dhabi Scaffolding

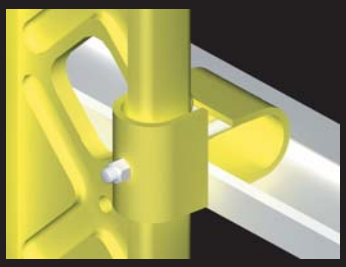
ADS HEAVY DUTY SOLDIER SYSTEM

4. TIMBER WALING CLAMPS

A very user friendly fixture used to connect Soldiers to Timber when it is used as walings.





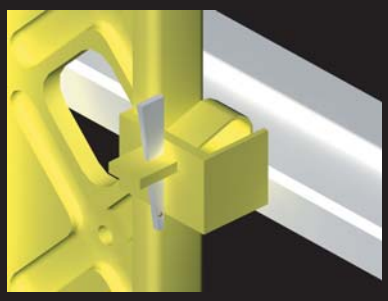


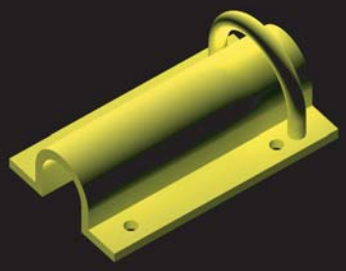
5. UNIVERSAL CLAMPS

A quick-fix fixture to connect the Soldiers to Aluminium Whalers by means of a ‘T’ Bolt & Nut.

6. WEDGE CLAMPS

Another efficient connection between Soldier and Aluminium Walings, this clamp assembly uses a tightening wedge instead of a Nut & Bolt assembly.



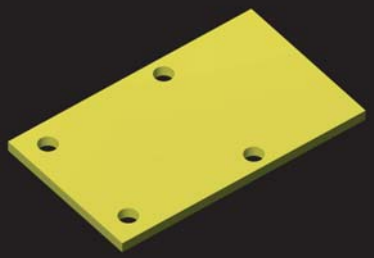


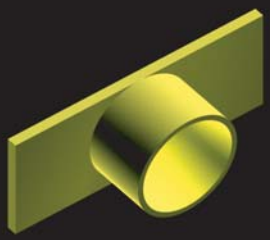
7. LIFTING BRACKETS

A Soldier top end assembly usually two Nos. per shutter allows secure lifting of the Formwork.

8. SUPPORT PLATE

A Soldier bottom end assembly usually used at every lifting points (Two Nos. / Shutter) to strengthen the Walings by attaching timber wedges between the Aluminium Walers and Support Plate. It is also used as support bases on uneven grounds.



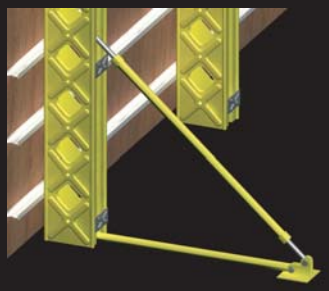


9. END TIE WASHER

Used when the Formwork needs to be stabilized these bottom end assembly is fixed to the ground by means of a Base plate and Strut.

Al Dhabi Scaffolding

ADS HEAVY DUTY SOLDIER SYSTEM

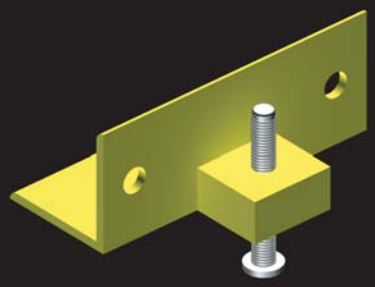


10. STABILIZER

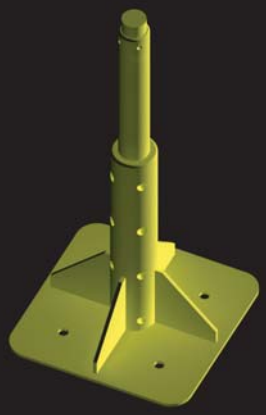
A triangular anchoring assembly, normally used when the Formwork need to be anchored securely.

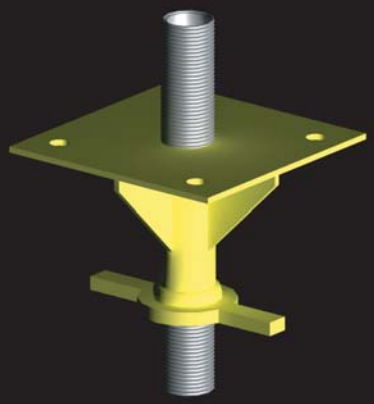
11. FORM JACK

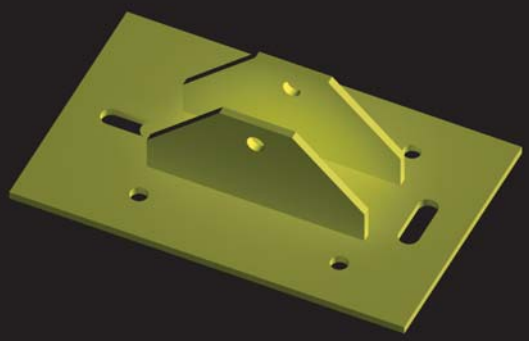
Used as a bottom end assembly, it helps in levelling the Formwork as well as acts as a plumbing device in Climbing Forms.

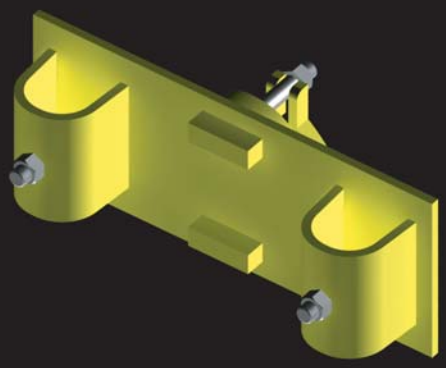


SOLDIER ACCESSORIES









Highly qualified personnel Design & Fabricate all special requirements for Formwork including Special Wallforms, Column Forms & Precast Moulds in our State-of-the-art facility.

Al Dhabi Scaffolding

ADS LIGHT WEIGHT SCAFFOLDING

ADSF Light-weight access scaffold frames are manufactured with sturdy steel tubes with fixed spigot tubes and simple locking devices that make for rapid and easy connections between frames, horizontal ledgers and braces. All minor components are built into the frames thereby reducing the task of having to assemble and dismantle several components.

It is essential to ensure that the light weight scaffolding is erected on a level area with frames located plumb and securely fastened to the main structure while being. Couplers and scaffold tubes offer added security and stability to scaffolds over 20m high.

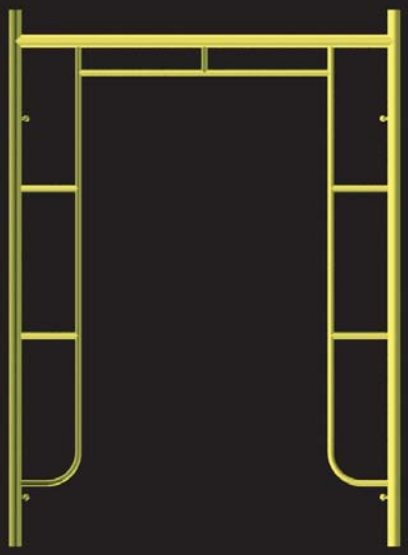
Two types of Light Duty Frames are available – Italian Frame (Half-Ladder Frame) and the Korean Frame. It is manufactured using sturdy steel tubes. There are no loose fittings providing Hassle-free Erection & Dismantling. The sturdy frames ensure safe personnel / material access. Provided that the system is tied back to the building it can be utilised for plastering / painting / maintenance jobs in tall building structures.

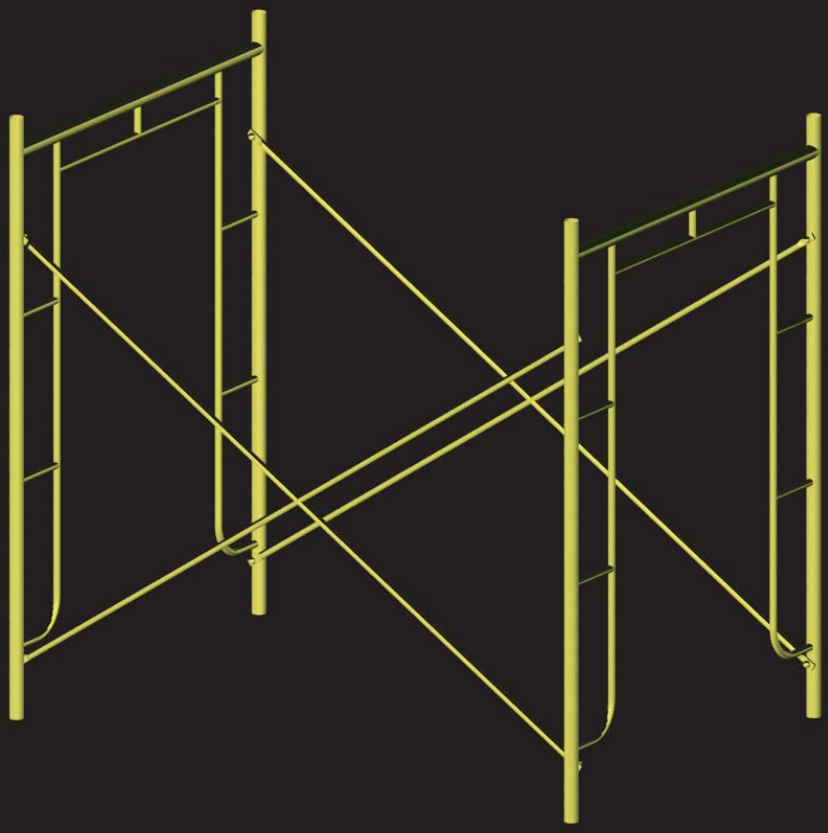
1. KOREAN FRAME

Normally used for Interior, Exterior Painting, Plastering, Cabling, Ducting & Cleaning jobs.

The dimensions are as follows: 1.7m High X 1.2m Wide

The frames are placed 1.8m apart horizontally and cross braces (2.2m) are fixed on both sides ensuring a Sturdy working platform.





Al Dhabi Scaffolding

ADS LIGHT WEIGHT SCAFFOLDING

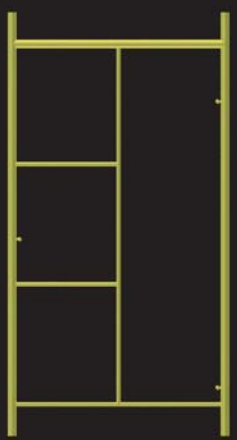
2. ITALIAN FRAME

A very versatile access system, the Italian frame, made of 48mm steel tubes, provides economical solutions to a host of access requirements. With no loose fittings they are simple to erect & dismantle.

Dimensions as follows: 2.0m High X 1.0m Wide

They are placed 3.0 / 2.75 / 2.5m apart horizontally and the cross braces along with a horizontal brace are fixed ensuring a Sturdy working platform.

It must be ensured that the base of the scaffold is level and that the frames are erected plumb. The system must be tied back to the building for safety & stability and in instances where the application is on buildings higher than 20m the base of the system need to be tied together.



The Cross & Horizontal braces are made of 27mm Dia. Tube and the length determines the bay sizes of 3.0, 2.75 or 2.5m.

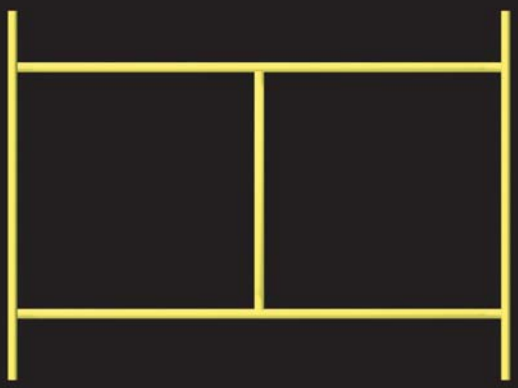
Al Dhabi Scaffolding

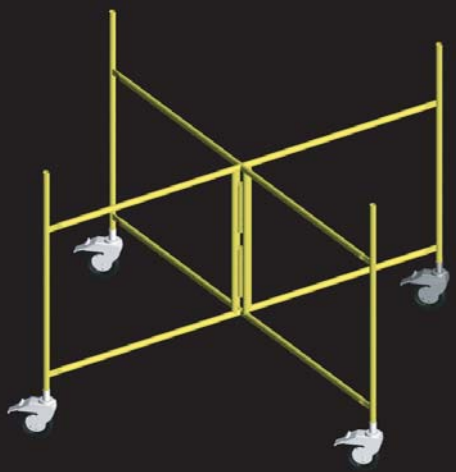
ADS LIGHT DUTY MOBILE TOWER

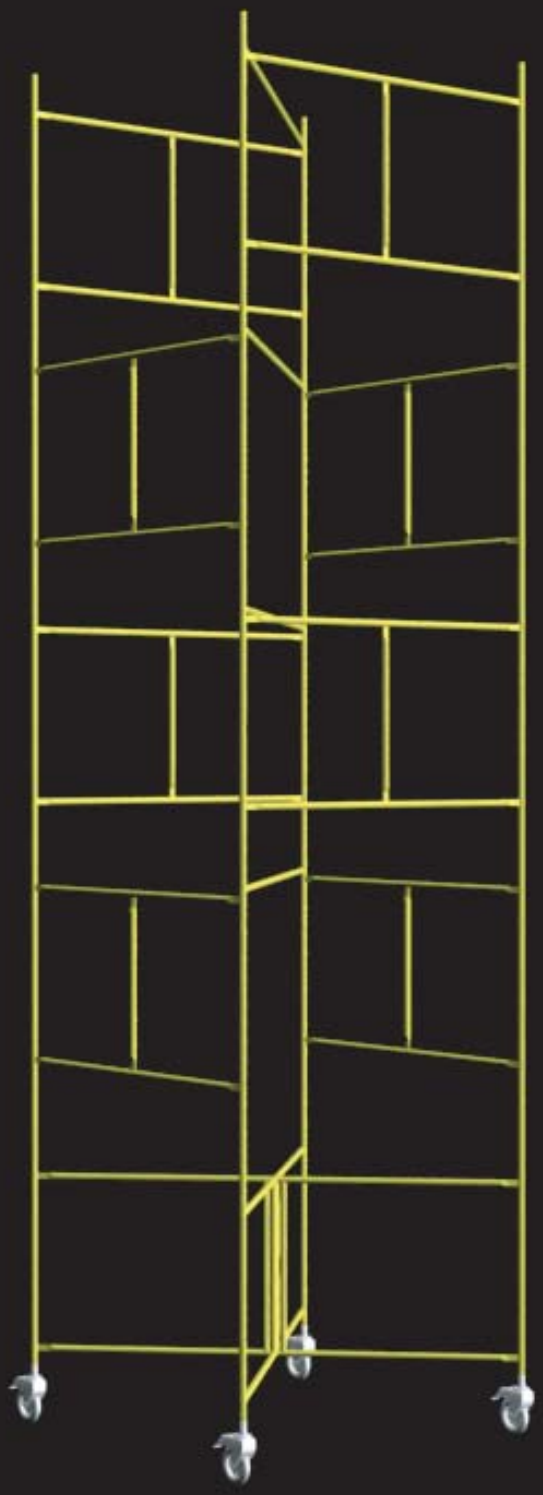
3. LIGHT WEIGHT MOBILE TOWERS

Made of steel tubes with a load bearing capacity of 500 kg which includes the personnel & material weight. Combination of the base frame (2.0m X 2.0m) with castor wheels along with the standard frame (2.0m X 1.0m) make up the Mobile tower.

The standard frame allows two platform locations @ 0.5m intervals.





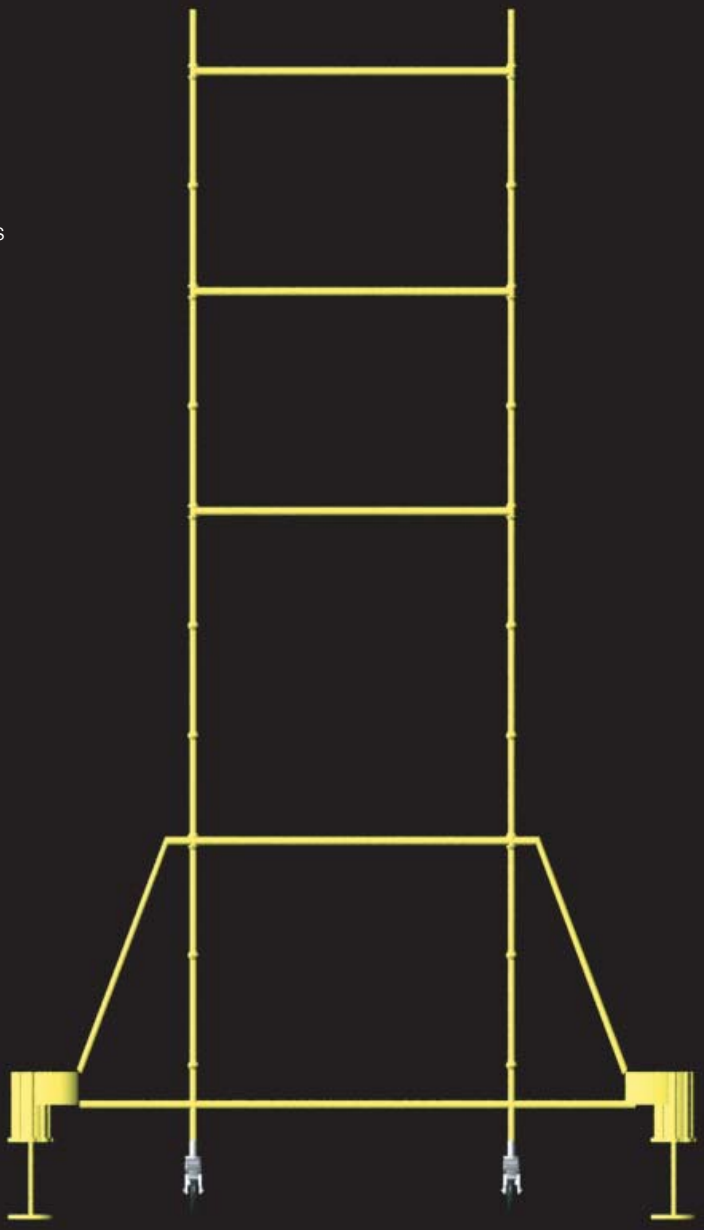


Caution is advised as follows:

- The castor wheel must always be locked for movement.
- Guard post & rail are fixed at all times when the system is in use.
- The platform boards bust have built in end hooks.
- Never move the system with material / personnel.

Al Dhabi Scaffolding

ADS HEAVY DUTY MOBILE TOWER



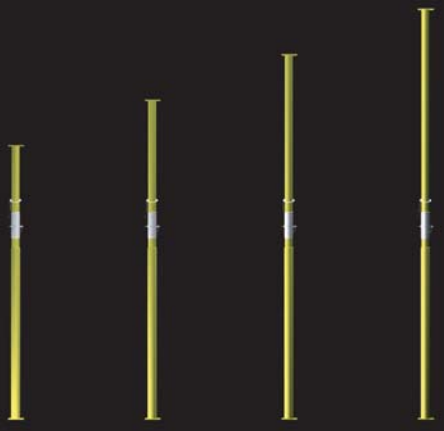
4. ADS HEAVY DUTY MOBILE TOWER

Standard System (ADLock / ADS QUIK STAGE) accessories used in combination with Outriggers build the Heavy Duty Mobile Tower.

Some of the salient features are:

- Hassle-free erection & dismantling.
- Economic, space saving storage.
- Platform height range of 4m to 12m.
- Variable bay / base sizes to meet specific requirement.
- A safe working height of 10m for external use and 12m for internal can be achived.

5. ADS PROPS



Built, confirming to British Standard BS 4074 : 1982 and tested to BS 5507 Part 3 : 1982, of high grade steel, these Props can be used for a multitude of purposes where an adjustable Load bearing element is required.

Coarse adjustments are possible utilising the heavy duty pin through the slot in the outer tube and the holes (@ regular intervals) in the inner tube. Finer adjustments are achieved through the rolled thread on the cast iron collar.

Al Dhabi Scaffolding

ADS FORMWORK / FALSE WORK ACCESSORIES

6. HEAVY DUTY PROP

Made of 3.2mm inner and 3.2mm outer tube they are available in five standard sizes offering extensions from 1.07m to 4.87m

Lenght (mm)	Closed	Open	Weight
3000	1750	3000	15.0 kg
3500	2000	3500	16.8 kg
4000	2500	4000	18.5 kg
4500	3000	4500	20.0 kg

7. MEDIUM DUTY PROP

A 2.0mm Inner and 2.0mm Outer tube is used to make the Medium Duty Prop.

Lenght (mm)	Closed	Open	Weight
3000	1750	3000	10.0 kg
3500	2000	3500	12.0 kg
4000	2500	4000	13.0 kg
4500	3000	4500	14.0 kg

Caution is advised as follows:

- Props must always be loaded concentrically and be plumb.
- SWLs allow not more than 1.5 Deg. Out-of-plumb loaded concentrically.
- Any extension attachment bolted to the Prop must be considered in height when using the table.
- It should be ensured that the Prop always rests on the safest axis and loaded concentrically.

ADS TUBES & COUPLERS AND TIE SYSTEM

1. ADS HEAVY DUTY TIE SYSTEM

Two types of Tie system make up the Heavy Duty Tie system. Removable, reusable and lost system. A protective tie cover (Plastic sleeve and plastic Cones) enables the reusable Tie system to be removed for re-use by preventing the Tie rods from contact with concrete.

2. TIE ROD

Available in both 60kN and 90kN SWL versions, these generally are stocked and supplied in 6.0m lengths. Another option available to the end user is the ‘All thread’ and the self cleaning ‘Intermittent thread’. Running the Wing Nut ensures that the Tie rods are kept free of concrete / rust.

3. WING NUT

Made of malleable iron, it has a hexagonal head that facilitates use of a spanner to tighten it. The wings allow the nut to be either hammer tightened or levered with a length of reinforcing bar. Available either in self colour or galvanised / electroplated.

4. WALER PLATE

Available in self colour (Black), painted or Galvanised / Electroplated, These come in the following sizes:-

- 120 x 120 x 6mm
- 150 x 150 x 8mm

Al Dhabi Scaffolding

ADS FORMWORK / FALSE WORK ACCESSORIES

5. WATER STOPPER

This cast iron connector incorporates an impermeable core and flange. These are used when casting water-tight structures like water tank walls were the use of through ties are not possible. This is a non-reusable item as it's lost in the concrete after pour.

6. PLASTIC CONES

These recoverable cones are used at each end of the plastic conduit tube. This set the conduit tube 10mm short of the face of the concrete wall / column. It also prevents the cohesion of the Plastic Tube to the plywood.

7. PLASTIC TUBE

This rigid plastic tube is used to sheath the Tie Rod from the wet concrete allowing re-use of the Tie Rod after the concrete is set.

8. COUPLERS

All fitting accessories confirm to BS/EN – 74 A-B.

9. SLEEVE COUPLER

Used in joining two scaffold tube ends by wrapping around them. A central steel plate ensures that equal portions of both the tubes are held.

10. PUTLOG COUPLER

Used to wrap around two vertical tubes without leaving a gap in between, these elements can also be utilized in connecting Transoms to Ledgers to support scaffold battens.

11. SWIVEL COUPLER

As the name suggests, it's a connector between two Scaffold Tubes connected at any angle. Removable 'T' bolt assembly ensures replacement in case of damage to the threads. Available either in Pressed or Drop-forged versions.

12. DOUBLE COUPLER

A right angle connector between Scaffold Tubes to Scaffold Tube or Scaffold Tube to Standard. Available in either Pressed or Drop Forged Versions.

13. GRAVLOCK COUPLER

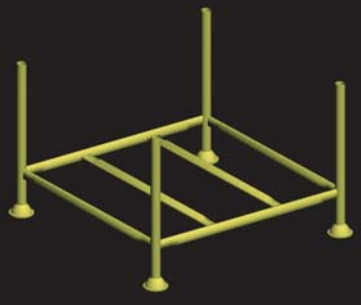
A connector between Scaffold tubes to Slodier / Girder flange used in pairs.

14. JOINT PIN

Generally used in conjunction with Sleeve Coupler, the Joint Pin connects Two Tubes internally offering a secure connection.

15. JACK NUT

Vertical Height adjustments are made possible with the use of these nuts in either the Base or Universal jacks. Available in self colour, Galvanised or Electroplated.



16. SCAFFOLD PALLET

Designed to stack long scaffolding accessories, it can be stacked one on top of the other saving space and enabling the stocking yard to be optimally utilized.

P.O. Box 54009 Dubai, United Arab Emirates, Al Naboodah Building M04, Sheik Zayed Road
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