

FAIRDEAL TRADING & CONTRACTING EST LLC

Specialists in the hire and Sale of Quality Building Equipment



ISO 9001 : 2000
Reg. No : RQ 968/004



Make Solutions Simple

1. Scaffolding:

We supply scaffolding material on hire. We are engaged in sale of Steel Scaffolding, Aluminium Tower, GI Tower etc. We are representing various prestigious brands from UK for Aluminium Tower, We supply various system of Scaffolding like Cuplock, Kwikstage, Tubes & Couples We have huge stock of scaffolding available for hire & sale. We are also carrying out erection and dismantling of scaffolding.

2. Thermal insulation:

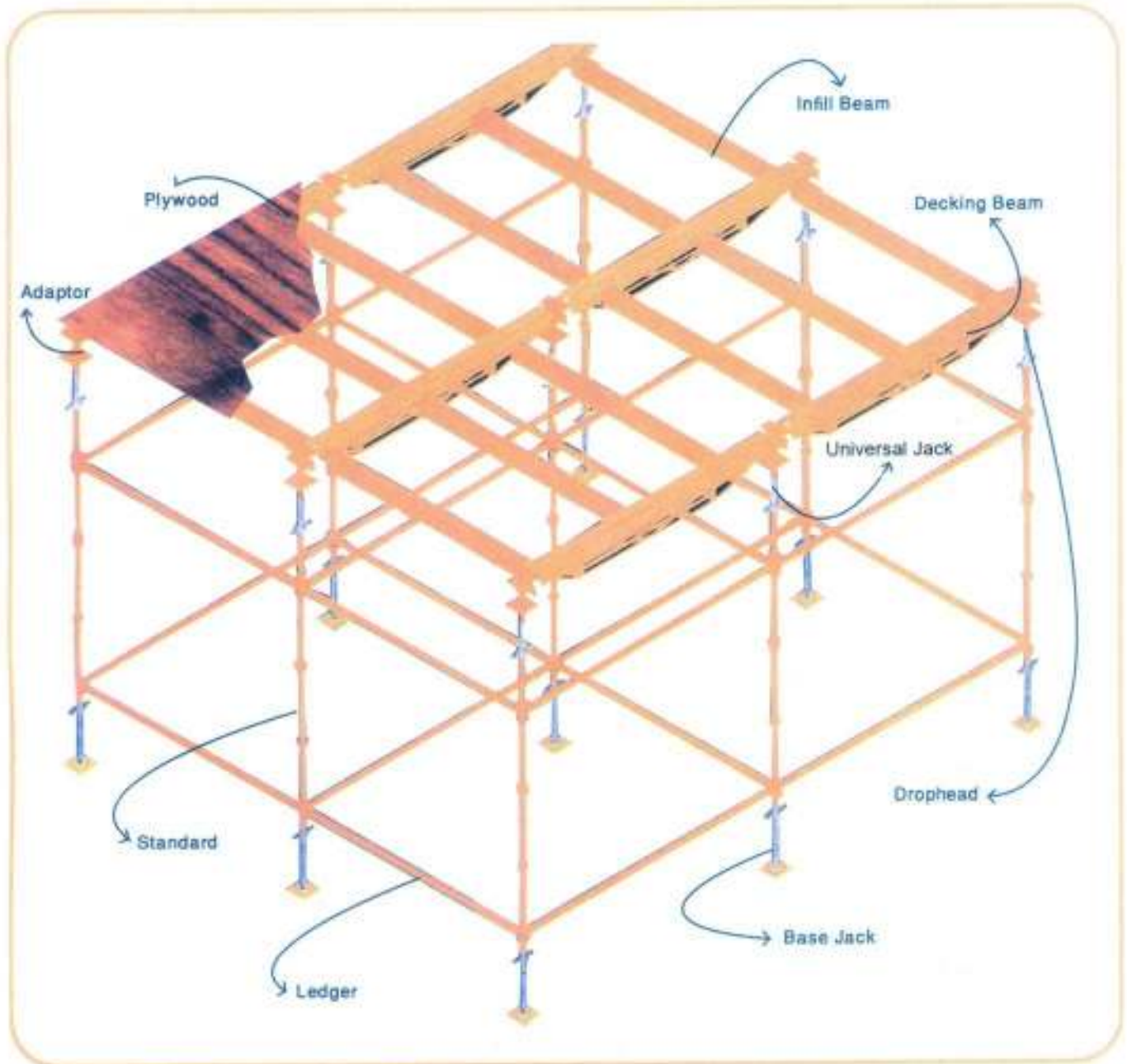
We can supply and install various insulation materials like Rock Wool, Glass Wool, Calcium Silicate, Cellular Glass (Foam Glass), Polyurethane, Polystyrene, Polyisocyanurate, Ceramic Fibre Glass Fabric (Cloth), Cora Cloth, Rubber (Elastomeric Insulation) etc with GI, Aluminium Aluminised steel, Stainless Steel Cladding or UV Curable GRP Cladding. We have carried out several prestigious jobs. We are also carrying out insulation work for Chilled Water line Boiler, Steam line, Duct insulation etc.

3. Refractory Lining:

We are representing many international companies for refractory materials. We can supply and install various Refractory materials like Castables, Fire Bricks, Ramming Mass, Acid Proofing, Acid resistant bricks etc and are representing various prestigious brands from Europe, India, US and Japan

For any further Clarification feel free to contact :24814374

SUPPORT & DECKING LAYOUT

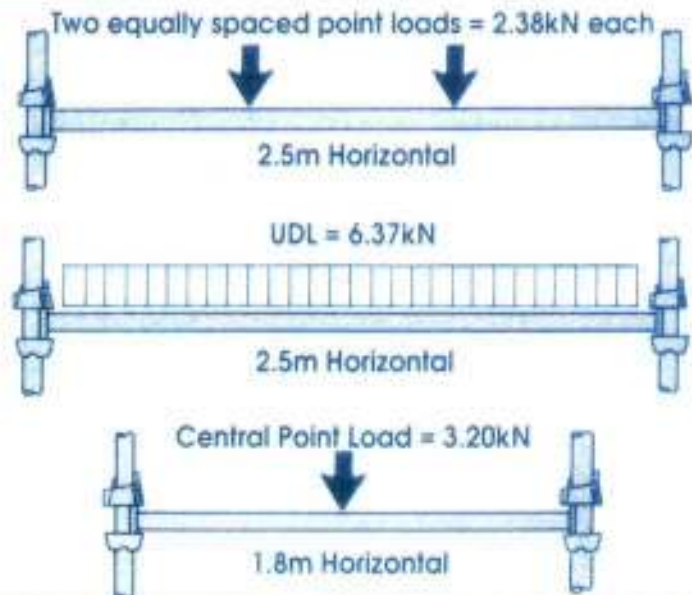


The versatility of the Scaffold-lock system enables it to be used in a wide range of access and formwork applications, from normal civil projects to complex mechanical projects. The Scaffold-lock system can be erected and dismantled very quickly. All components are of standard length and all fittings are prepositioned. This minimises the need of skilled operatives. Each component interlocks with the other in such a way that gravity ensures a positive connection.

LOAD CHARACTERISTICS

Permissible Loads on Horizontal Components

Permissible loads on the various components are shown in the diagrams



Permissible Loads on Base Components

Vertical Axial Load upto 57kN

The loadings will vary according to the horizontal loads taken into account and the actual extension of the Jack required.



Permissible Loads on Verticals (in Falsework Structures only)

The tables below show the permissible loads per Vertical for falsework structures incorporating suitable bracing. The values apply regardless of the type of formwork supported.

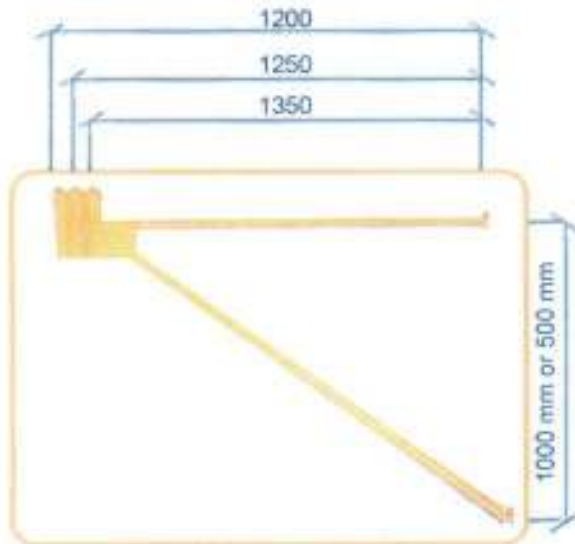
Internal Verticals

Lift(m)	Vertical Load (kN)	
	1.8m Bays	2.5m Bays
1.0	57.0	57.0
1.5	55.0	54.0
2.0	40.0	36.0
2.5	26.0	25.0

External Verticals

Lift(m)	Bay Length (mm)				
	600	900	1200	1800	2500
1.0	57.0	57.0	57.0	57.0	57.0
1.5	55.5	54.5	53.5	52.0	51.0
2.0	38.0	36.0	34.5	34.0	32.0

CANTILEVER FRAME



Designed with blade ends that are easily located in the cup joint and accept jacks in three locations, the Cantilever frames are ideal for supporting decking or formwork beyond the edge of the slab.

Best suited for dimensions of 1.2m, 1.25m or 1.3

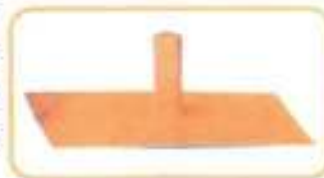
Length(mm)	Lift Height(m)
1625	1.0
2010	1.5



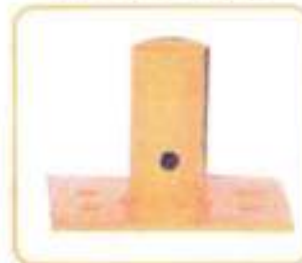
These brackets come in handy with jacks/forkheads accepting beams spanning from one bracket to another, should beam drops be encountered within a support grid, thus avoiding the need for ground props. The load is transferred back into the adjacent Standards.

BASE PLATE

Designed with a socket to support and to receive scaffolding tubes at the base, it also serves to distribute the load evenly.



SOCKET BASE



It is used in conjunction with the universal jack at either the top or bottom of the structure.

Height (mm)
110

INTERMEDIATE TRANSOM



Length (mm)
1000
1200
1300
1800
2500

FIXED FORKHEAD

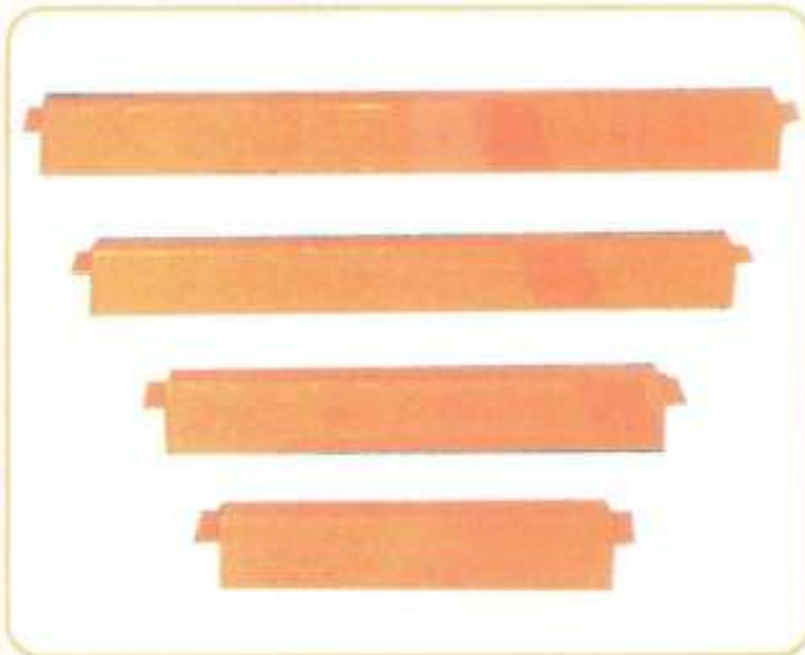
Designed to provide height adjustment to structure by fitting onto the Universal Jack, when constructing with timber, aluminium or steel (single/double) beams of 75mm width.



Width (mm)	Length (mm)
170	150
186	200

INFILL BEAMS

Infill Beams provide skeletal support for plywood decking and are used in conjunction with decking beams. They are available in various lengths ranging from 0.9M to 1.7M.



Length(m)
Actual
0.90
1.20
1.50
1.70



UNIVERSAL JACK

A universal jack provides an adjustment option at either the top or the lower end of a scaffold support structure.

Length	Weight	Effective Range
mm	kg	mm
760	3.9	520

DROPHEAD

It comprises of a primary head that remains in contact with the concrete slab and a secondary head which permits early striking. The smoothly operated drophead fits on Scaff lock scaffoldings and enables the removal of infills and beams in just 3-4 days of pouring, keeping the support intact. While they have been specifically designed to keep the beams from being accidentally dislodged they also provide excellent load bearing capacity of 40KN.

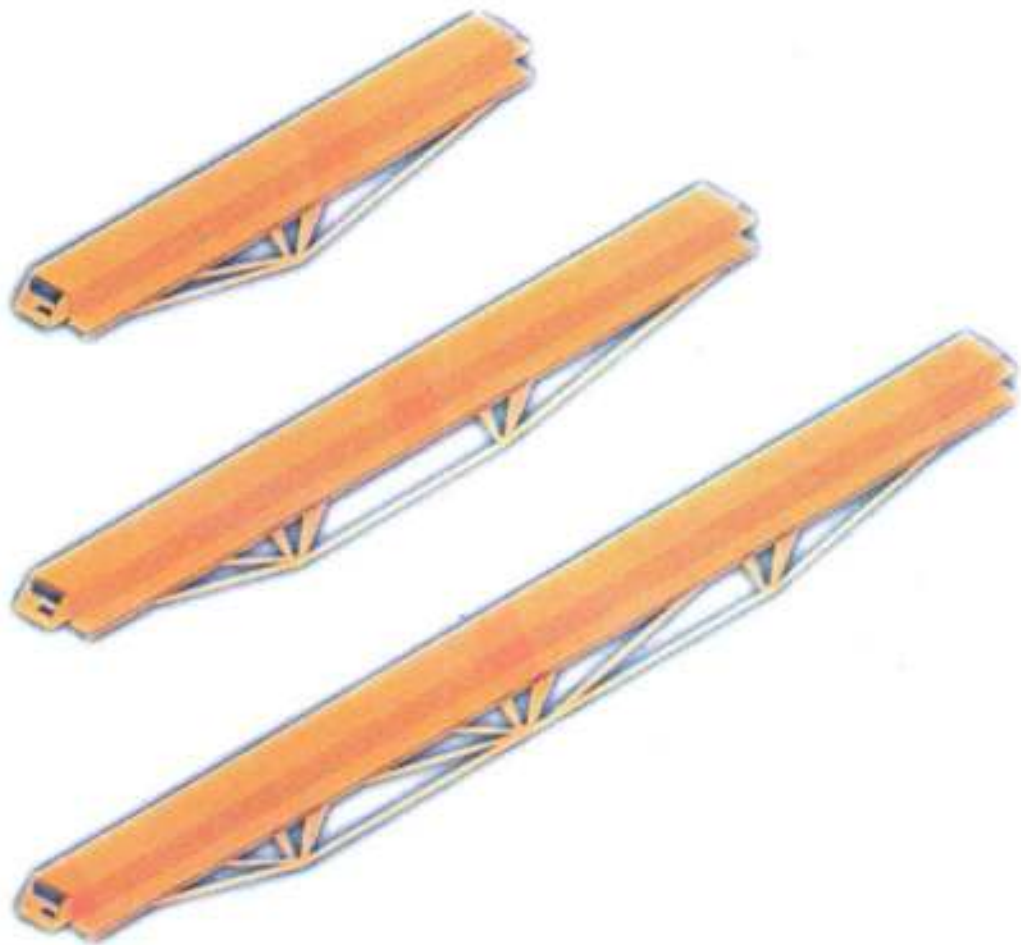
Overall Height (mm)	Top Head dimensions(mm) (kg)
214	150 x 100



DECKING BEAMS

The decking beams are fabricated from high quality steel, are light weight and include a 100 mm top flange. The ends are provided with heavy duty pressings to ensure on -site protection from damage. A tongue location has also been provided for seating the drophead

Effective Length (m)	Top flange Widthy (mm)
1.2	100
1.8	100
2.5	100



COUPLERS



Sleeve Coupler

This coupler is designed for use at tension joints, it wraps around the adjacent ends of two scaffolding tubes. A steel plate in the centre ensures that equal portions of both tubes are supported.



Putlog Coupler

Used to connect putlogs or transoms to ledgers to provide support to scaffold battens the product lends itself well to bracing.



Swivel Coupler

A hardy conjoined load bearing coupler with captive 'T' bolts which is used to connect two scaffolding tubes at any angle. Though the body of the coupler is itself fixed firmly, it allows some minimum rotation.



Gravlock / Girder Coupler

A coupler essentially used in pairs where scaffold tubes are to be attached to either horizontal or vertical beams or girder flange in a manner as to avoid distortion of the scaffold tube.

COUPLERS



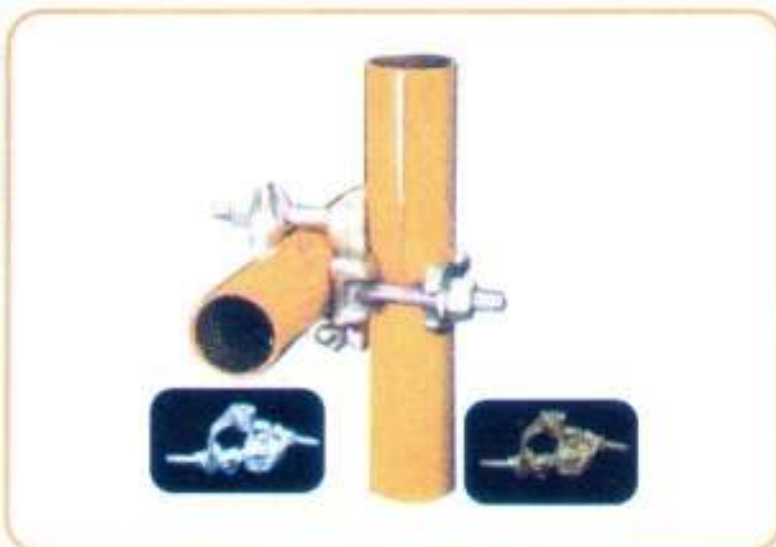
FITTINGS - JOINT PIN

A fitting generally used in conjunction with the sleeve coupler, except that the pin connects the two ends of the scaffold tubes internally in a manner as to grip the internal wall of the scaffold tube to offer a secure bonding.



BOARD RETAINING CLAMP

Scaffold boards are locked in the correct position, providing high resistance to both lateral and upward movement. This fitting should be used on scaffolds in exposed positions where uplift may be expected on boarded platforms.



DOUBLE COUPLER

A critical component used when connecting standards/ledgers/anytube at right angles so as to resist slip while offering excellent load bearing.

STEEL PROPS

Designed in keeping with British Standards, these adjustable props/struts are of high grade steel. They are ideal for any type of construction requiring adjustable load-bearing. Rough height adjustment is made possible by way of a heavy duty steel pin inserted into a slot in the outer tubular steel body through one of the best suited holes (in terms of offering the approx. height extension) in the inner heavy duty tube. Precision adjustment of height is affected by a lever attached to a cast iron collar located just below the pin.

Core Features:

- Fully conform to the requirements of BS 4074 : 1982 and have been tested in accordance with BS 5507 Part 3 :1982.
- Manufactured from high quality material with a painted finish for long life and are highly resistant to site wear and tear.
- Can be used on all types of building construction for any type of use where an adjustable load bearing member is required.

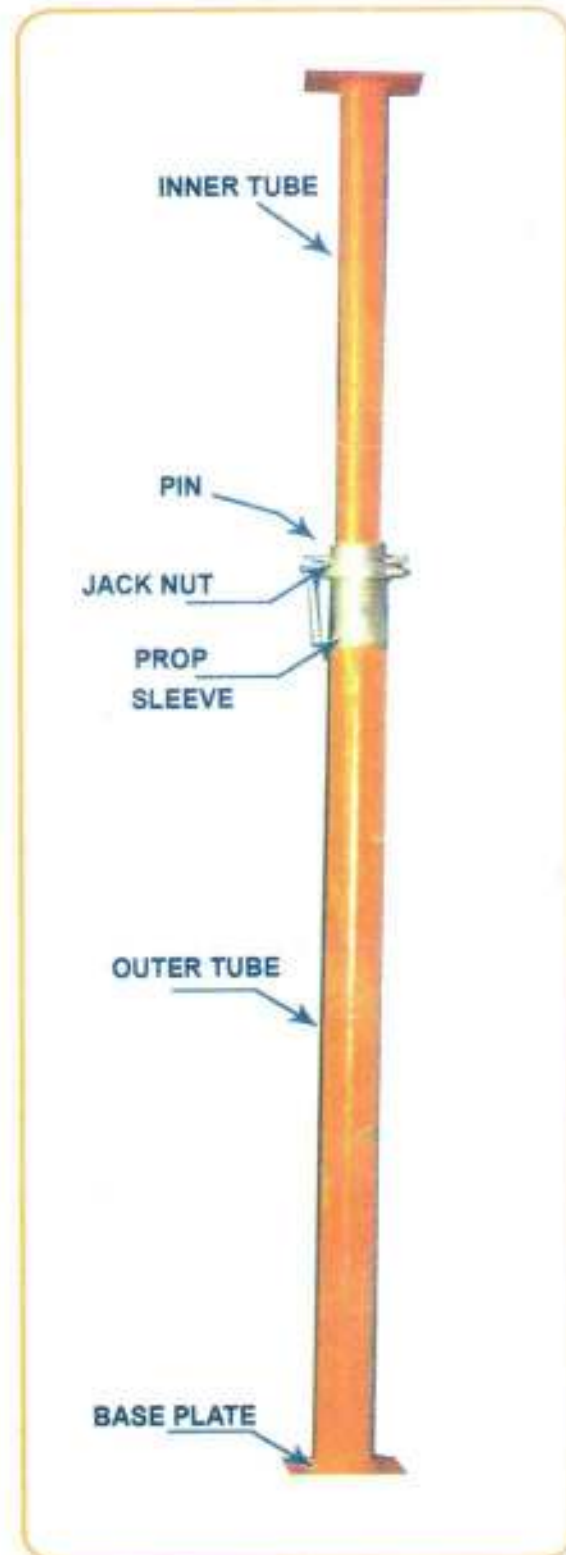


MEDIUM & HEAVY DUTY PROPS

Medium Duty - 2mm Inner & 2mm Outer Tube

Heavy Duty - 3.2mm Inner & 3.2mm Outer Tube

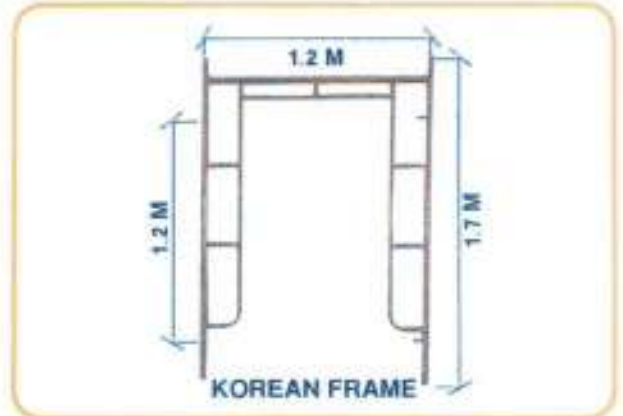
Size Mtr.	Min. Extn Mtr	Max Extn Mtr
3.0	1.75	3.0
3.5	2.0	3.5
4.0	2.5	4.0
4.5	3.0	4.5



LIGHT WEIGHT ACCESS SCAFFOLD FRAMES

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 braced. All minor components are built into the frames thereby reducing the task of having to assemble and dismantle several components. Two types of frames are available-The Korean Frame and the Half Ladder Frame.

Korean Frames Also known as beatty type, can be used for interior or exterior painting, plastering, electrical cabling, ducting, cleaning and other types of maintenance jobs. The standard size of these frame is 1.7 M high and 1.22 M wide, allowing enough space for workers on the platform. The frames are spaced horizontally at 1.8M with 2.2M cross braces on both sides ensuring safety and stability of the frames.



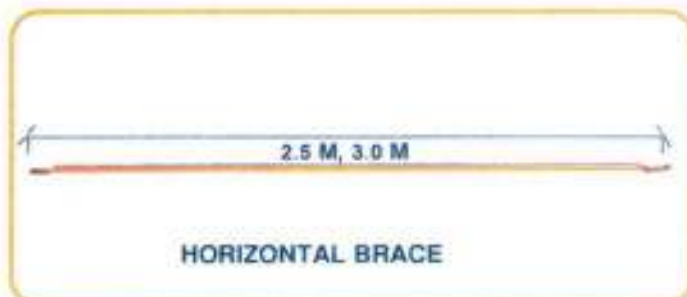
Half Ladder frames. These frames have proved the most economical and versatile to use for plastering, painting, cleaning and other maintenance jobs. Half ladder frames come with built-in rungs offering a convenient option to suit a variety of job site needs. Frames are 2M high and 1M wide in size. Working side of the access is tied with a horizontal brace in order to provide more convenience to the workers, while the external side of the access is provided with a cross brace to ensure stability and safety to the workers.



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. Couplers and scaffold tubes offer added security and stability to scaffolds over 20m high.

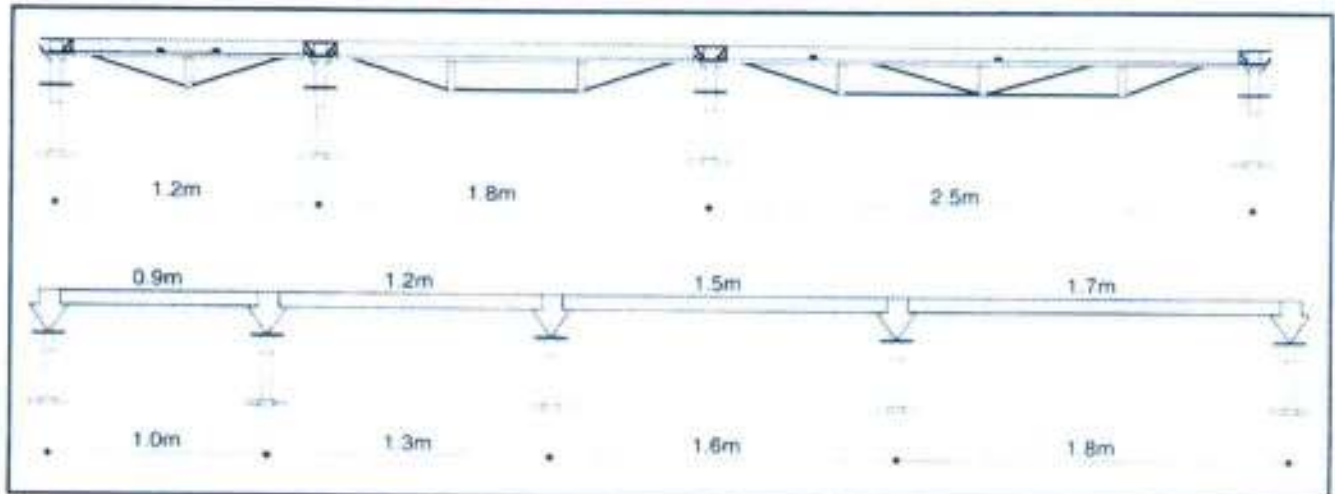
ASSOCIATED ACCESSORIES

Cross braces and horizontal braces are made of rigid 27mm dia steel tubes with holes provided at either end to securely locate the flip-locks. Cross braces come in three sizes-1.8m, 2.5m and 3.0m, while horizontal braces come in two sizes-2.5m and 3.0m.



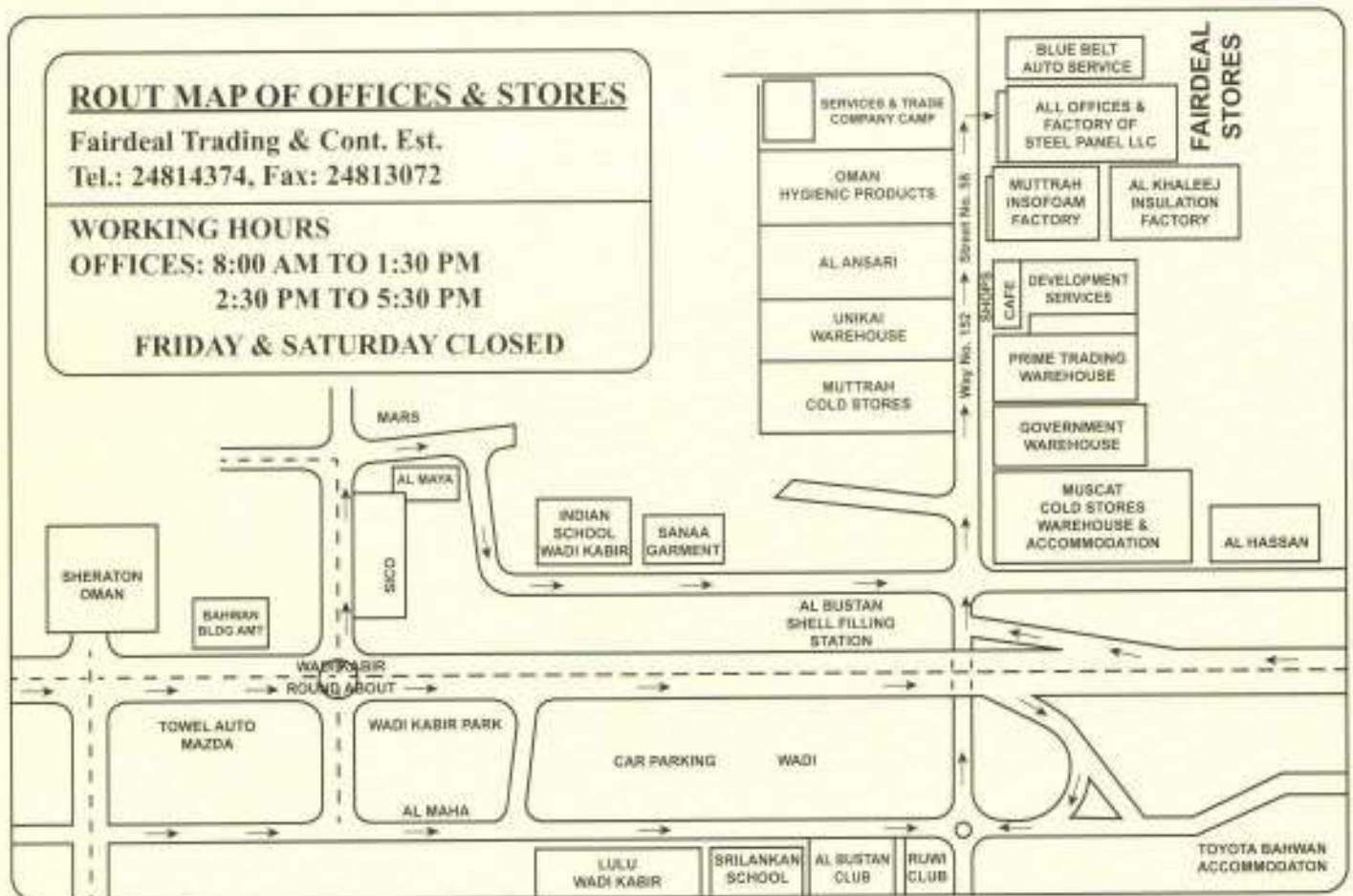
TECHNICAL DATA FOR SCAFF-LOCK DECKING SYSTEM

SCAFF-LOCK DECKING SYSTEM OFFER A CHOICE OF 12 SUPPORTING GRIDS



Supporting grids					Supporting grids						
A 1.8 x 1.8m		C 1.8m x 1.3m		E 1.2m x 1.6m		G 1.8m x 1.0m		J 2.5m x 1.8m		L 2.5m x 1.3m	
B 1.8 x 1.6m		D 1.2m x 1.8m		F 1.2m x 1.3m		H 1.2m x 1.0m		K 2.5 x 1.6m		M 2.5m x 1.0m	
Grid (mxm)	Slab Thickness (mm)	In Fill Centres	Grid Area (m)	Leg Load (kN)	Grids (mxm)	Slab Thickness (mm)	In Fill Centres	Grid Area (m)	Leg Load (kN)		
Type A	100	610	3.24	14.4	Type G	300	610	1.8	16.6		
Infill Beam 1.7m	150	610		18.4	Infill Beam 0.9m	400	610		21.2		
Beams 1.8m long	200	488		19.2	Beams 1.8m long	500	488		25.7		
	250	488		22.4		600	488		30.0		
	280	488		26.3		700	406		34.5		
				28.7		800	406		38.9		
Type B	200	610	2.88	19.9	Type H	600	488	1.2	20.4		
Infill Beam 1.5m	250	610		23.4	Infill Beam 0.9m	700	488		23.0		
Beams 1.8m long	300	488		26.9	Beams 1.2m long	800	406		25.9		
	350	488		30.5		900	406		28.9		
	400	406		34.0		1000	348		31.8		
	440	406		36.8		1250	348		39.1		
Type C	350	488	2.34	24.75	Type J	150	610	4.50	25.5		
Infill Beam 1.2m	400	488		27.6	Infill Beam 1.7m	160	610		26.6		
Beams 1.8m long	450	406		30.5	Beams 2.5m long	175	610		28.3		
	500	406		33.3		200	488		31.0		
	550	348		36.2		225	488		33.8		
	600	348		39.1		255	488		37.1		
Type D	100	610	2.16	10.1	Type K	150	610	4.00	22.7		
Infill Beam 1.7m	125	610		11.5	Infill Beam 1.5m	200	610		27.6		
Beams 1.2m long	150	610		12.9	Beams 2.5m long	250	610		32.5		
	200	488		13.7		275	610		35.0		
	250	488		18.5		300	488		37.4		
	280	488		20.2		320	488		40.0		
Type E	200	610	1.92	13.2	Type L	150	610	3.25	18.4		
Infill Beam 1.5m	250	610		15.6	Infill Beam 1.2m	200	610		22.4		
Beams 1.2m long	300	488		18.0	Beams 2.5m long	300	610		26.4		
	350	488		20.3		350	488		30.4		
	400	406		22.7		412	488		35.4		
	440	406		24.5		488	488		40.0		
Type F	400	488	1.56	18.4	Type M	200	610	2.5	17.3		
Infill Beam 1.2m	450	488		20.3	Infill Beam 0.9m	300	610		23.4		
Beams 1.2m long	500	488		22.2	Beams 2.5m long	400	488		29.5		
	600	488		26.0		450	488		32.6		
	660	406		28.3		500	488		36.6		
	730	406		31.0		560	488		40.0		

The above figures are based on the maximum load carrying capacity of the infills, Decking Beams and the 40kN capacity of the Scaff-lock drophead. Leg load calculations are based on concrete density of 25 kN/m³ and super imposed loads of 2kN/m² including the weight of the formwork.



P.O. BOX: 2468, Postal Code: 112, Ruwi, Sultanate of Oman.

Tel: (+968) 24814374, 24811284, Fax: (+968) 24813072, 24814320, E-mail: fairdeal@omantel.net.om