



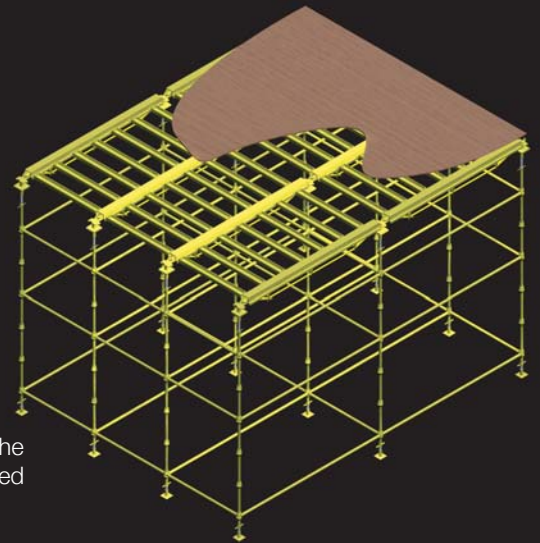
Al Dhabi Scaffolding

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.

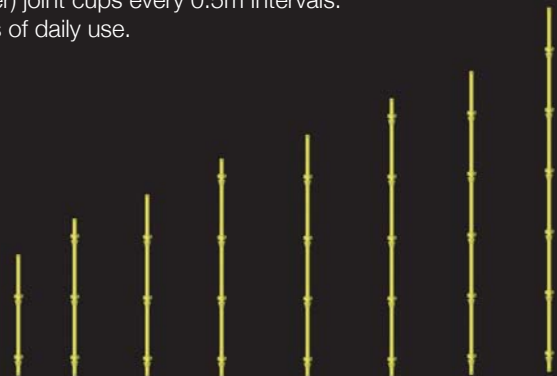


ADLOCK SYSTEM COMPONENTS

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

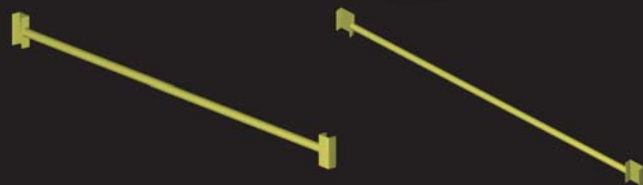
Horizontal element in 9 standard sizes with the locking element – the ledger end plate made of forged steel.

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



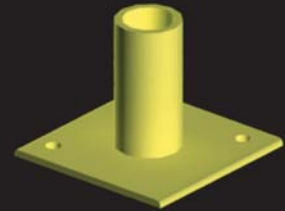
BEAM BRACKET

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' are used to span across voids in the base slab.

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

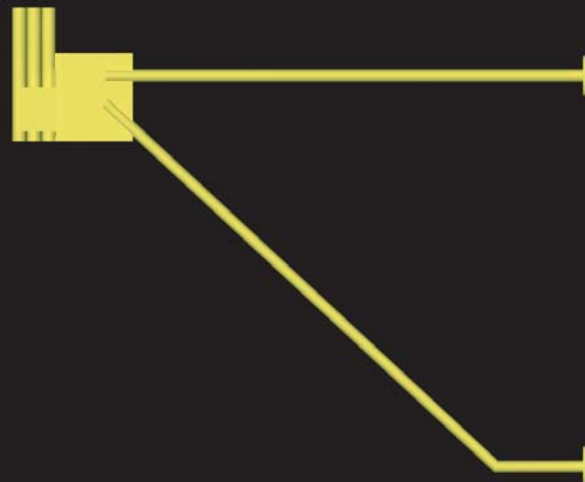


6. CANTILEVER FRAME

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

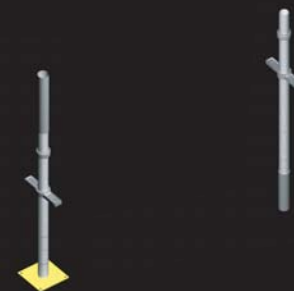
Length (mm)	Lift Height (mm)	Weight (Kg)
1625	1.0	15.5
2010	1.5	18.0



7. UNIVERSAL JACK & BASE JACK

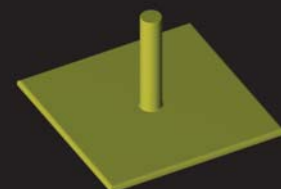
Allows adjustments in height at either the top or the bottom of the support

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.



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

TECHNICAL 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

