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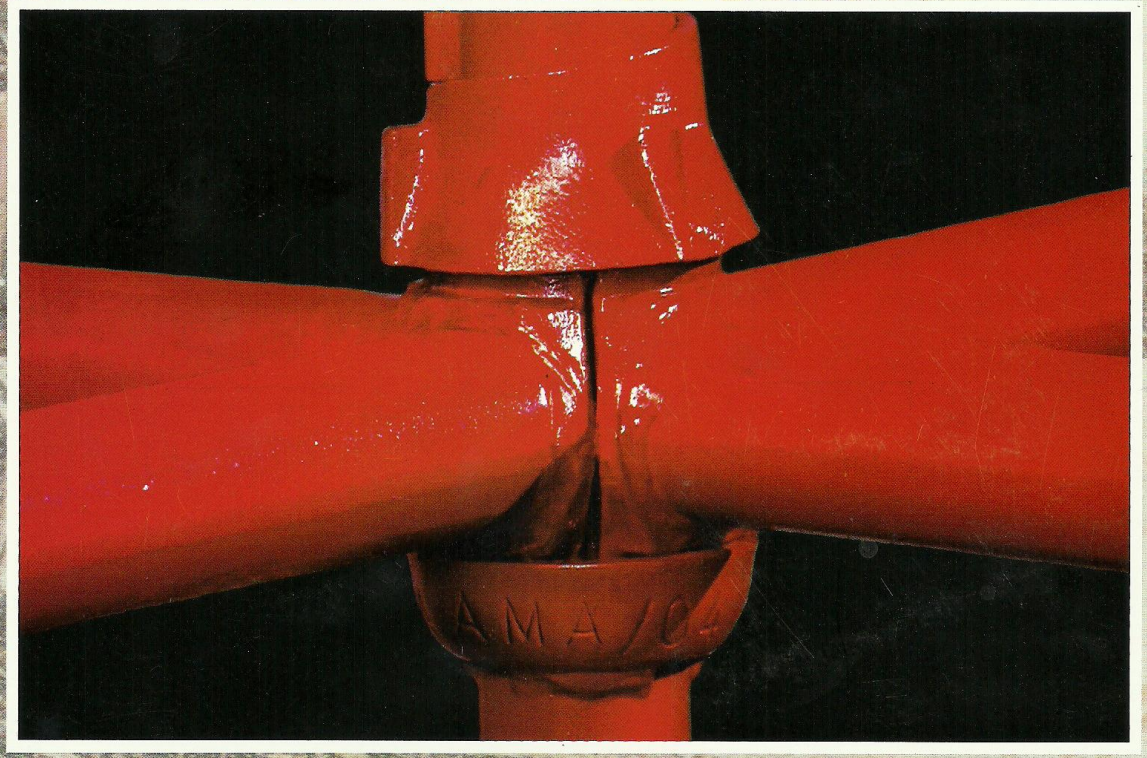
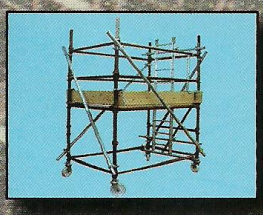
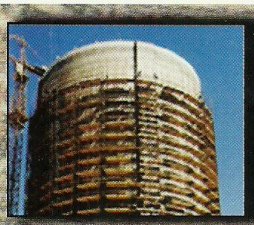
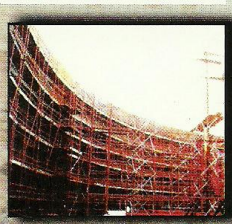
AMA LOCK

SCAFFOLDING & STEEL FORMWORKS









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HIRE SALE CONTRACT

COMPONENTS OF THE AMA-LOCK SUPPORT SYSTEM

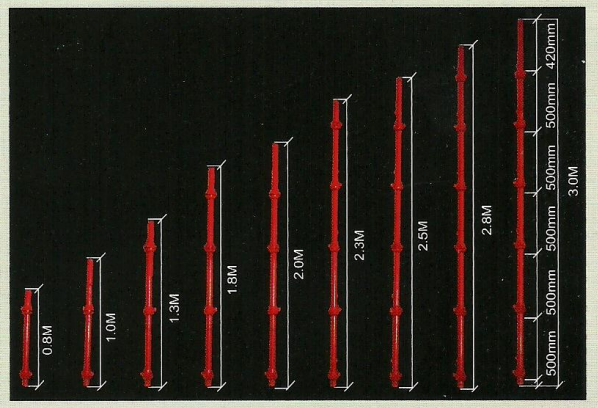
STANDARDS

Sturdy standards available in nine regular sizes with cup joints welded at 0.5m intervals. The lower cups are formed from high quality steel while the mobile upper cups are malleable casting to provide the necessary hardiness on-site.

SPIGOT CONNECTION

ADJUSTABLE FORKHEAD

BASE JACK



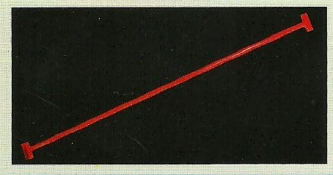
LEDGERS

Each ledger size is provided with forged blade ends to enable positive locking and are available in a range of different sizes to suit the general requirements of grids used to support formwork or even access structures.

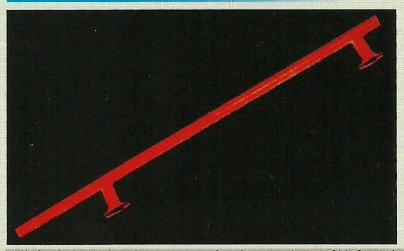
Length (mm)	**Weight** (Kg)
600	2.3
900	3.3
1000	3.6
1200	4.2
1300	4.6
1600	5.5
1800	6.3
2500	8.7

INTERMEDIATE TRANSOM

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

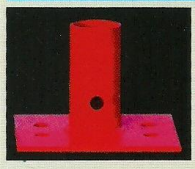


BEAM BRACKET



This bracket come in handy withjacks/forkhead accepting beams spanning from one bracket to another,should beam drops be encountered within a support grid, thus avoiding the need for groundprops. The load is transferred back into the adjacent Standards

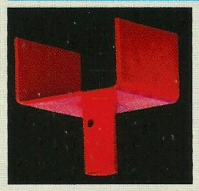
SOCKET BASE



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

Height (mm)	**Weight** (Kg)
110	1.4

FORK HEAD



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.

Height (mm)	**Weight** (Kg)
110	1.4

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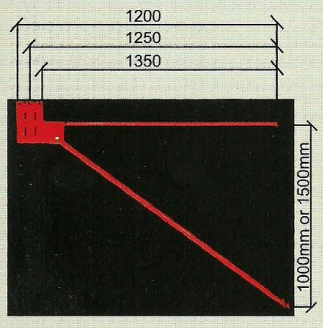
CANTILEVER FRAME



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

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

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

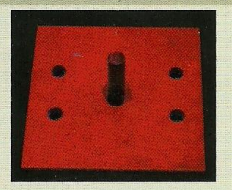
UNIVERSAL JACK

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

Length (mm)	**Weight** (Kg)	**Effective range** (mm)
760	3.9	520

BASE PLATE

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



HASSLE FREE SECURE ASSEMBLY

Fix ledger blade ends into lower cup

Position the upper cup over the top end of ledger blades

Rotate the top cup with hamer to lock the blade ends

A simple & secure connection is achieved

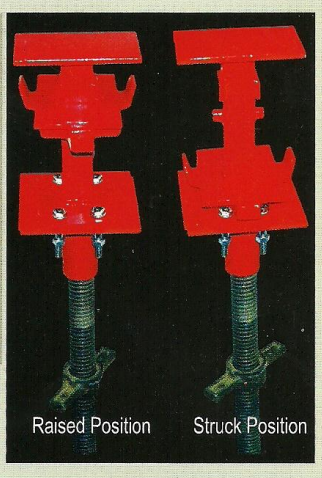
ADVANTAGES

- Time saving in erection & dismantling processes
- Secure &robust connection of up to 4 units in a single action
- Easy to erect & dismantle
  Improved efficiency in support & access

DROPHEAD

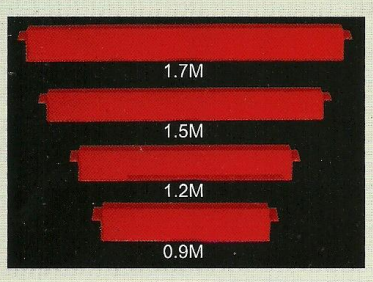
It comprises of a primary head that remains in contact with the concrete slab & a secondary head which permits early striking. The smoothly operated dropheads fits on AMA Lock scaffolding & enables the removal of infills & beams in just 3-4 days of pouring, keeping the support intact. While they have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

Overall Height (mm)	**Top Head dimensions** (mm)	**Weight** (Kg)
214	150x100	5.1

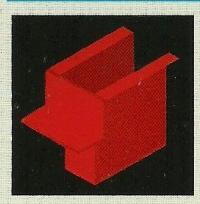


INFILL BEAMS

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



INFILL BEAM SHOE



Length (m) **Actual**	**Weight** (Kg)
0.90	4.90
1.20	6.50
1.50	7.80
1.70	8.90

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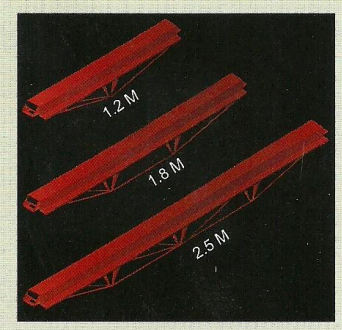
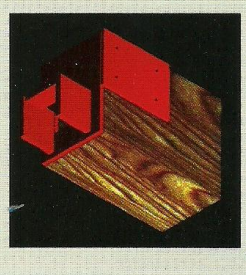
DECKING BEAMS

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



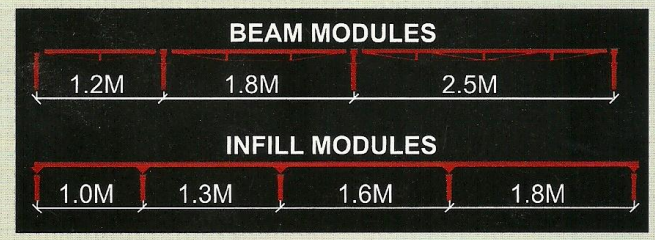


DECKING BEAMS SHOE

Is an attachment that allows timber beams of special lengths to be attached to dropheads with minimum effort.

AMA LOCK SUPPORT & DECKING SYSTEM

AMA Lock Support & Decking System provide sturdy, time saving, versatile & easily assembled formworks for the construction of concrete floors. While the system requires minimum number of components, its truly outstanding feature is; it allows early striking (3-4 days) leaving intact the rest of the support structure till the end of the curing period.



Core Features

Safety : - In terms of easily removable components and conveniently handled sizes and weights.

Standard End-results :- Precision perfected state-of-art manufactured formwork ensures accurate results time and again

Time and Labour Saving :- AMA Lock Support & Decking ensures easy and speedy assembling, striking and dismantling, thereby allowing for less and better utilization of the labour.

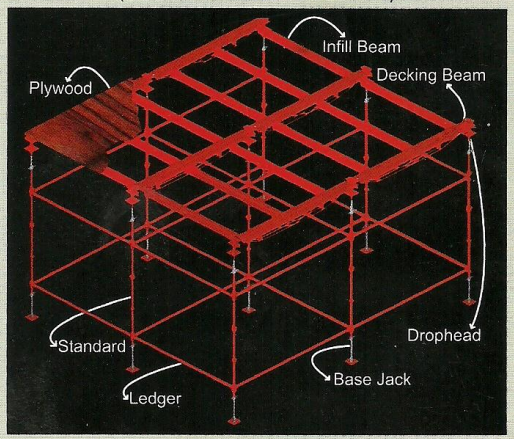
Durable Components :- An extremely hardy and lightweight range of components that have a proven track record of on-site wear and tear.

DECKING BEAM SIZE (m)	LEDGER SIZE (m)	AREA (m^2)	MAX.SLAB THICKNESS (cm) LIVE LOAD = 200kg/m^2	
			SOLID SLAB	HOLLOW SLAB
1.2	0.6	0.72	214.2	267.8
1.2	0.8	0.95	158.7	198.3
1.2	0.9	1.08	140.1	175.2
1.8	0.6	1.08	140.1	175.2
1.2	1.0	1.20	125.3	156.7
1.2	1.1	1.32	113.2	141.5
1.2	1.2	1.44	103.1	128.9
1.8	0.8	1.44	103.1	128.9
2.5	0.6	1.50	98.7	123.3
1.2	1.3	1.55	94.6	118.2
1.8	0.9	1.62	90.8	113.4
1.8	1.0	1.80	80.9	101.1
1.2	1.6	1.92	75.3	94.2
1.8	1.1	1.98	72.8	91.0
2.5	0.8	2.00	72.0	90.0
1.2	1.8	2.16	66.1	82.6
1.8	1.2	2.16	66.1	82.6
2.5	0.9	2.25	63.1	78.9
1.8	1.3	2.34	60.4	75.5
2.5	1.0	2.50	56.0	70.0
2.5	1.1	2.75	50.2	62.7
1.8	1.6	2.88	47.5	59.4
2.5	1.2	3.00	45.3	56.7
1.8	1.8	3.24	41.4	51.7
2.5	1.3	3.25	41.2	51.5
2.5	1.6	4.00	32.0	40.0
2.5	1.8	4.50	27.5	34.4

-Concrete Unit Weight (Solid) = 2500kg/m^3 -Concrete Unit Weight (Hollow) = 2000kg/m^3

AMA LOCK SUPPORT & DECKING LAYOUT

(BRACING OMMITTED FOR CLARITY)



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