

MegaShore Support System



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concrete forms, inc.

 **Concrete**
Support Systems

MegaShore Support System

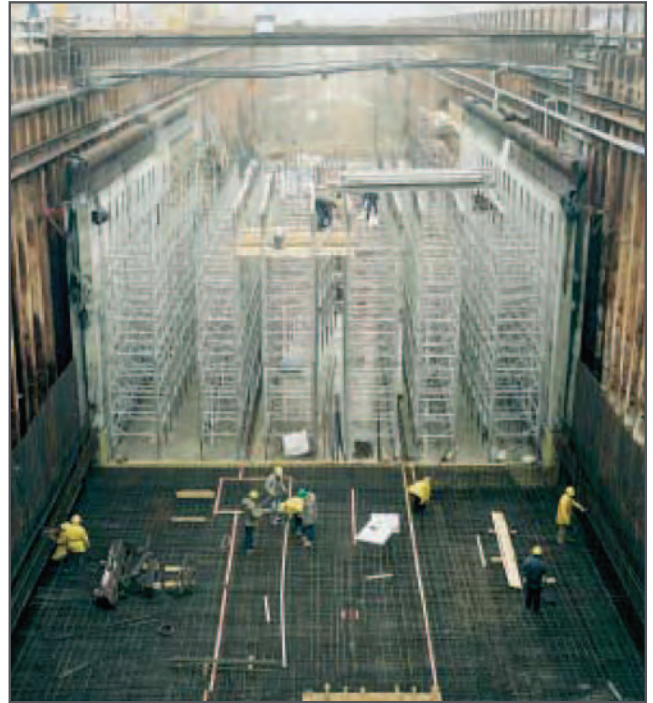
The MegaShore Support System is recognized as the leading product in its field by many professionals in the construction and civil engineering industries.

Comprising of two main components; legs and frames, together with a comprehensive range of accessories, the MegaShore Support System offers one of the quickest, most effective and versatile means of providing rapid support and access solutions in an enormous variety of situations.

The system can be used in both 'flying table' and erect and dismantle applications and is ideal for multi-story structures, water reservoirs and soffit situations where mobility and ease of handling are required.

With the majority of components being manufactured from high grade aluminium to patented designs, the MegaShore Support System possesses an exceptionally high strength to weight ratio which facilitates rapid erection, whilst its excellent corrosion resistance and robust build quality assure long term durability.

The MegaShore Support System is designed to reduce labour costs, increase site efficiency, improve safety and meet the demands of today's construction and civil engineering techniques.



MegaShore Support System

- Lightweight components can be easily handled by one man
- MegaShore can be loaded up to 100kN per leg
- 2.4m of jack adjustment with jacks top & bottom
- Two components for fast, efficient erection and dismantling
- No loose fittings
- Rigid connection between legs and frames self-aligns the system
- Continuous vertical slots on the legs allow ledger frames to be positioned at convenient working heights
- One system suitable for erect and dismantle falsework & large, rigid flying tables for versatility and economy
- Modular components easily adapt to height & width variations
- Accessories include rocking headplates, guard post brackets, access platforms, cantilever frames and a full range of safety components.

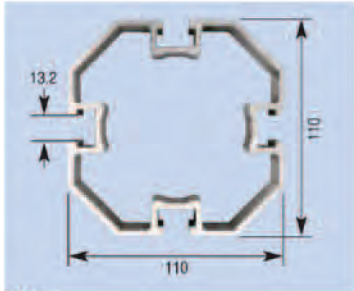
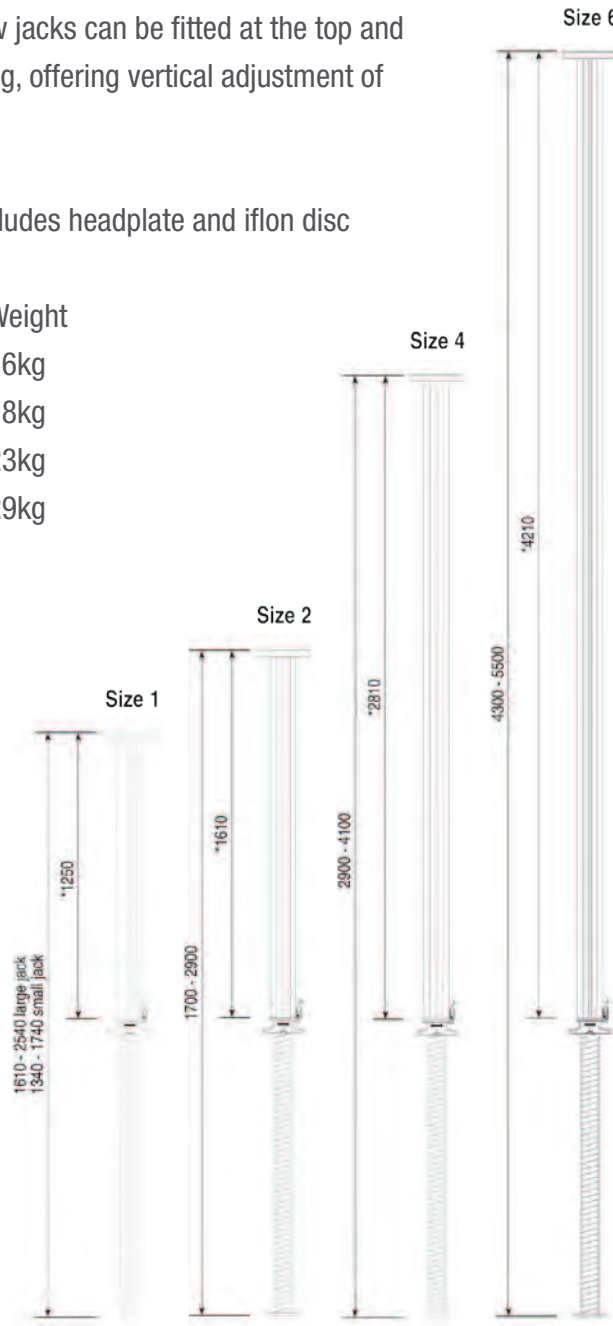


MegaShore Legs

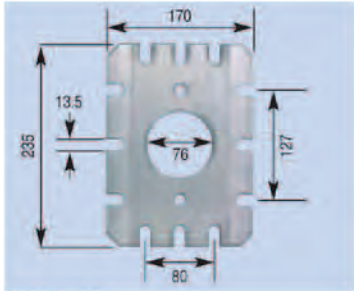
MegaShore legs are available in four sizes, each with continuous vertical slots to allow ledger frames to be fitted quickly and securely at the optimum height. MegaShore screw jacks can be fitted at the top and bottom of each leg, offering vertical adjustment of up to 2.4m.

*Note: Length includes headplate and iflon disc

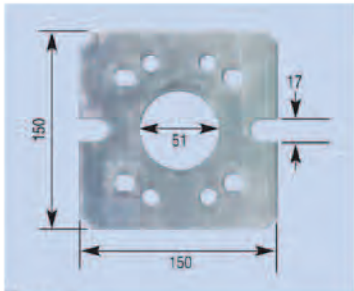
	Weight
Size 1	16kg
Size 2	18kg
Size 4	23kg
Size 6	29kg



Profile



Headplate



Baseplate

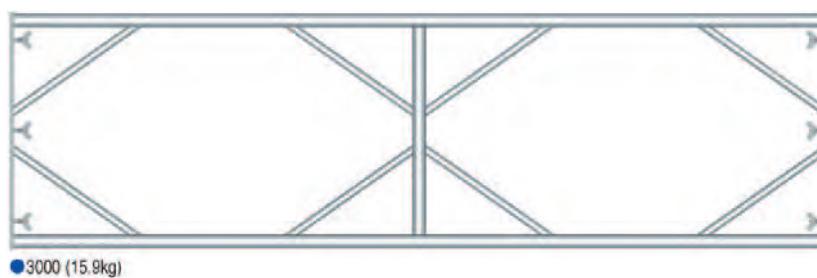
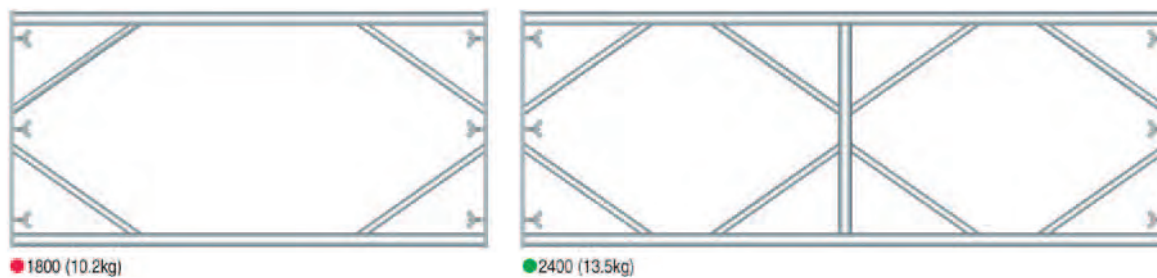
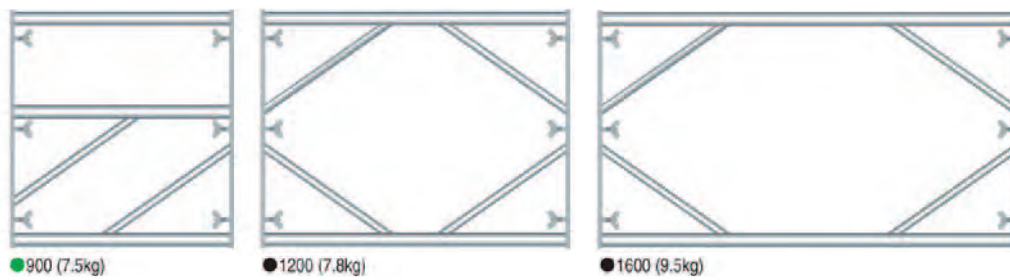
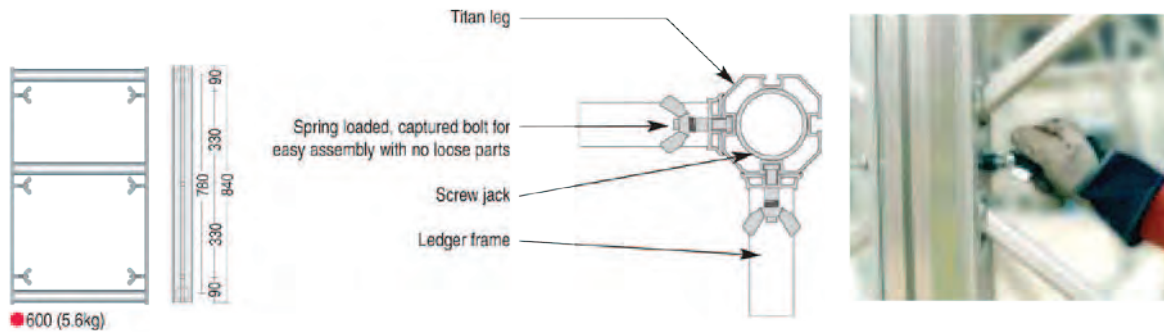


Retainer clips

Ledger Frames

A range of seven ledger frames is available. All frames are shown colour coded in Concrete Support System design drawings.

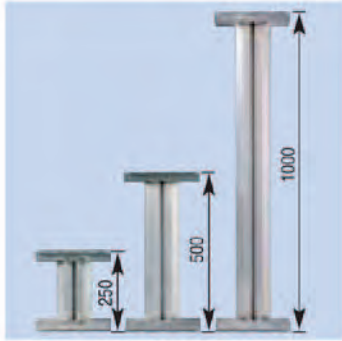
Note: Frame dimensions shown are in millimetres and center-to-center of legs.



MegaShore Accessories

The modular system has been designed to combine maximum flexibility in use with a minimum number of components

The range of accessories enhances the versatility of the MegaShore Support System without adding significantly to the number of components or equipment required.



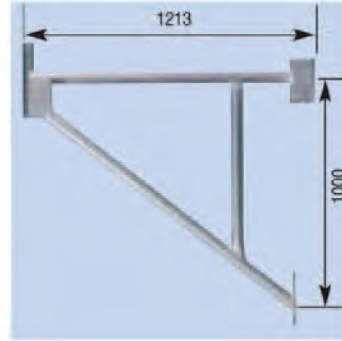
Extension Piece

Extension pieces are available to make up non-standard heights.



Spanner

Simplifies jack adjustment.



Cantilever Bracket

Provides external access and support.



Rocking Head Plate

For sloping soffits, ramps and other inclined surfaces.



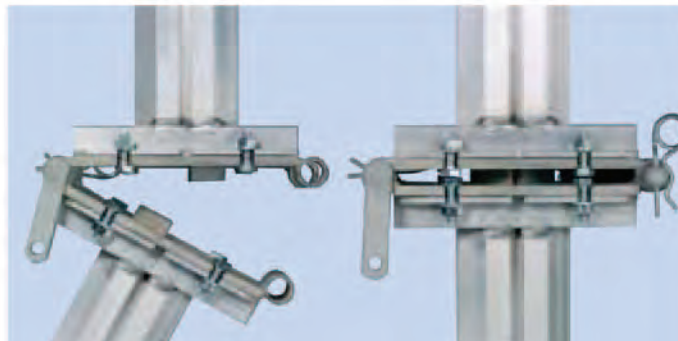
Leg Adaptor Plate

For connecting to jack base plate.



Connecting Bracket

Provides rapid connection between headplates.



Hinge Unit

For hinging of leg to clear narrow vertical openings.

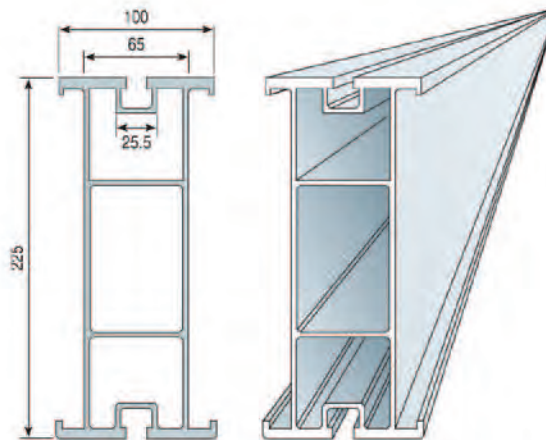


Trolley

For moving systems when assembled as tableform.

Alu Beams

Manufactured from extruded aluminium section, Alu beams offer a lightweight, easy to handle solution for decking/soffit applications. All secondary beams are shown colour coded in Ischebeck design drawings.



Alu 225 Beam

	Area	32.63 cm ²
l _{xx}	Moment of inertia	2241 cm ⁴
Z _{xx}	Section modulus	199.2 cm ³
E	Modulus of elasticity	68900N/mm ²
E.I.	Bending stiffness	1544 kNm ²
W	Weight	8.87 kg/m
M	Resistance moment	28.5 kNm
S	Allowable shear force	71.3 kN

length (m)	length (m)
1.2	8.0
1.8	9.0
2.4	10.0
3.0	11.0
3.6	
4.2	
4.8	
5.4	
6.0	
6.4	
7.2	



Beam to beam fixing



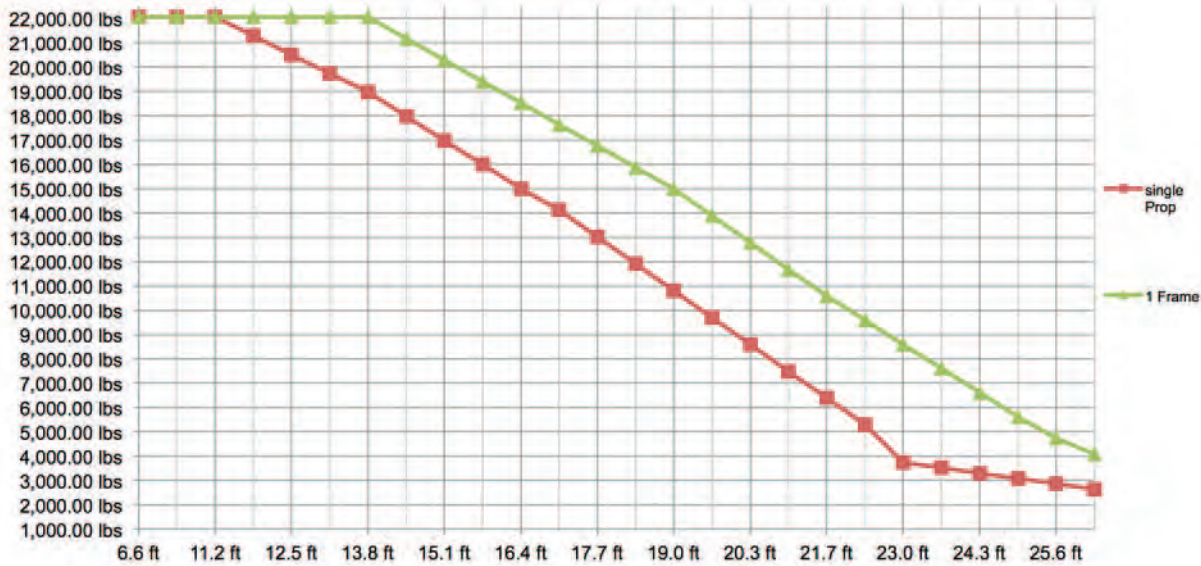
R12 x 50



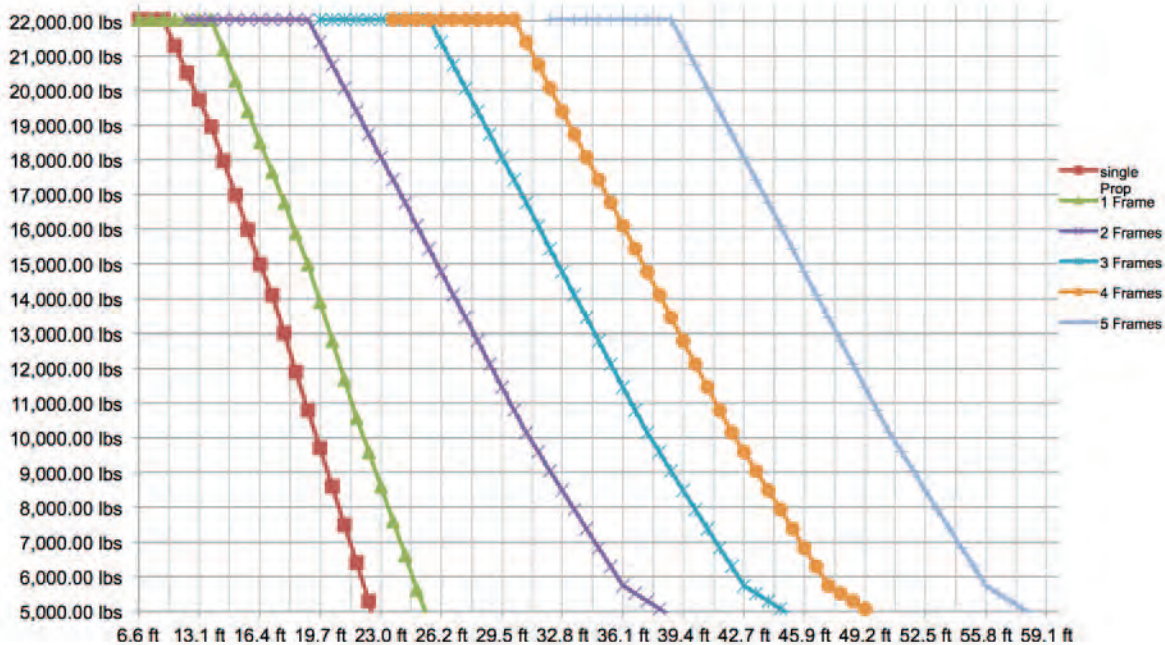
Headplate to beam fixing

MegaShore Support System Load Charts

MegaShore Frame Loads

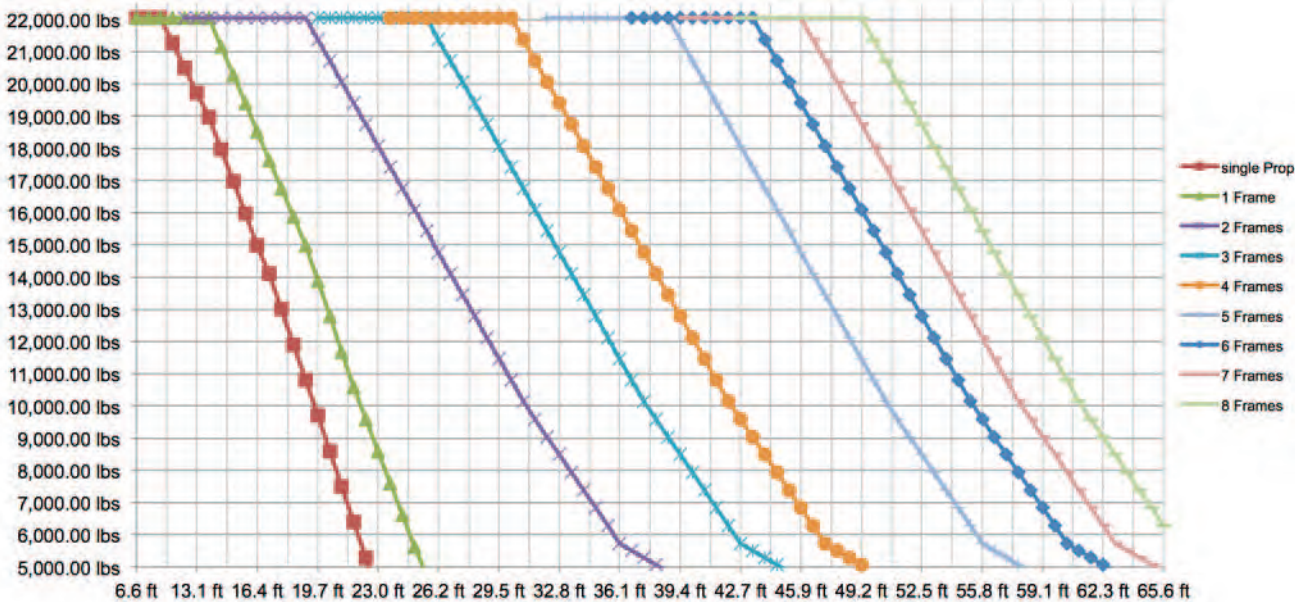


MegaShore Frame Loads

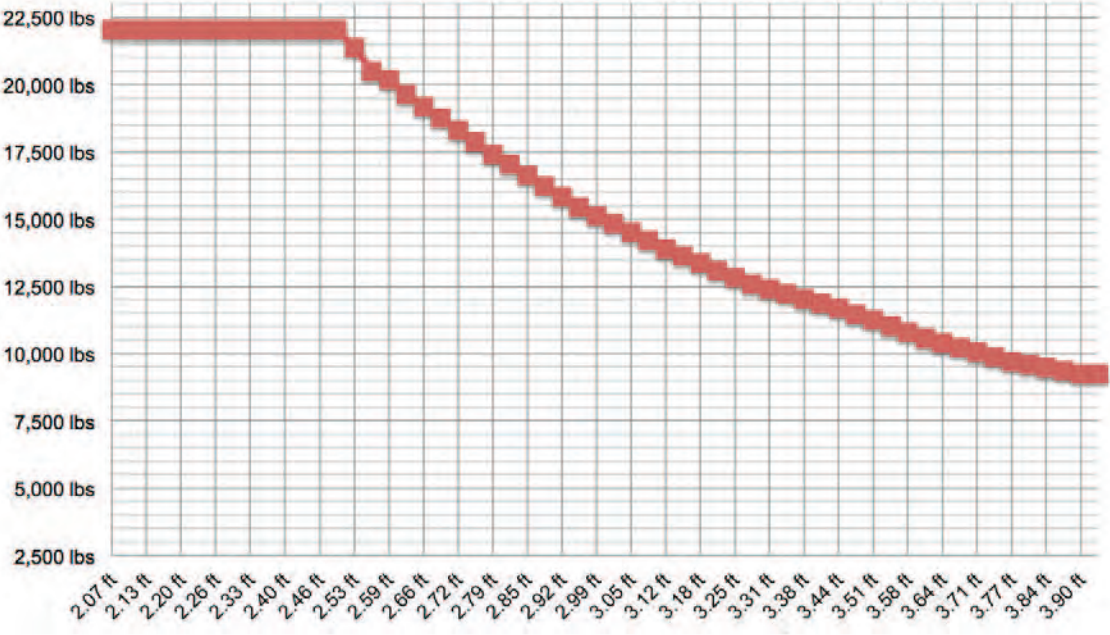


MegaShore Support System Load Charts

MegaShore Frame Loads



Megashore Screw Jack Extension



MegaShore Safety Components

Designed to integrate with the MegaShore Support System, MegaShore safety components provide the ideal means of assuring safety of site operatives and complying with health and safety at work requirements.



“C” Hook
For removal of small edge tables.



Handrail Frames
For protection around perimeter scaffold boards.



Intermediate Transom
For supporting scaffold boards.



Half Coupler
For connecting scaffold tube to leg outer.



48x76 Jack Swivel Coupler
For connecting scaffold tube to adjustable jack.



Guardpost Bracket
For fixing of guardposts and handrails at soffit level.

Erection Sequence



1. Connect ledger frame horizontally between 2 legs. Predetermined ledger frame position measured from headplate.



2. Connect ledger frame vertically to leg.



3. Repeat 2 to form three sides to bay.



4. Repeat 1 to form 4th side of bay and then lift both sides of bay into position.



5. Connect both sides to form a 4 leg tower.



6. Now add additional frames and legs to form support structure.



7. Place intermediate transoms and scaffold boards in position for fixing of alu beams.



8. Fix primary beam to headplate by means of 2 R12 x 50 clamps.



9. Position R12 x 100 and fix with a clamp at each intersection with a primary beam. Structure is now ready for fixing of plywood.

MegaShore Support System Applications

MegaShore versatility and light self weight make it the preferred choice for thousands of projects throughout the world's construction industry.





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